

State Expert Appraisal Committee (SEAC)

Minutes of 442nd meeting of the State Expert Appraisal Committee (SEAC) held on 31.01.2024 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building and construction project, Synthetic Organic Chemical projects and Thermal Power plant.

Confirmation of Earlier Minutes

The minutes of the 441st SEAC meeting held on 31.01.2024 were circulated to the Members in advance and as there are no remarks, the Committee decided to confirm the minute.

Agenda No: 442 – 01

(File No: 10423/2023)

Proposed Construction of High-Rise Group Development Buildings at S.No: 406/79A(part) and 406/80A(part) of Okkiyam Thoraipakkam Village, Sholinganallur Taluk, Chennai District, Tamil Nadu by the M/s Baashyaam Reality Private Limited - For Environmental Clearance. (SIA/TN/INFRA2/455561/2023, Dt. 14/12/2023)

The proposal was placed for appraisal in this 442nd meeting of SEAC held on 01.02.2024. The details of the project furnished by the proponent are available on the PARIVESH website (parivesh.nic.in).

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged:


1. The environmental clearance is sought for the construction of High-Rise Group Development Building in S.No:406/79A(part) and 406/80A(part) of Okkiyam Thoraipakkam Village, Sholinganallur Taluk, Chennai District, Tamilnadu by the PP M/s Baashyaam Reality Private Limited and M/s Baashyaam Ventures Private Limited
2. M/s Ecotech Labs Private Limited is the EIA Consultant for the project.
3. Total plot area of the project is 40745.1 m² and built-up area is 2,64,229.48 m² respectively.


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4. ToR issued vide T.O Letter dated 14.11.2023 for total land of 40745.1 Sqm and the built-up area of 2,64,229.48 Sqm.
5. Maximum number of floors will be 33 Floors and maximum height of the building will be 106.8 m.
6. Total Saleable DU's (dwelling units) is 906 nos.
7. Salient features of the project as submitted by the project proponent:

PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Plot Area	40745.1	SQMT
2	Proposed Built Up Area	2,64,229.48	SQMT
3	Total no of Saleable DU's/Villas	906	No.
4	Max Height - (Height of tallest block)	106.8	M
5	No of Building Blocks (Residential + Community facilities)	6 blocks	
6	Max No of Floors	33	No.
7	Expected Population (XXX Residential + XXXX Floating)	7299 (5960 residential+885 Commercial + 658 visitors + 66 maintenance staffs)	No.
8	Total Cost of Project	975	CR
9	Project Activity:		
AREAS			
10	Permissible Ground Coverage Area (xx%)	NA	SQMT


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11	Proposed Ground Coverage Area (xx%)	15956.8 (43%)	SQMT
12	Permissible FSI Area (xxx)	1,20,383.25	SQMT
13	Proposed FSI Area	198674.17 (Premium FSI)	SQMT
14	Other Non FSI Areas - including basement area etc.	65555.31	SQMT
15	Proposed Total Built Up Area	2,64,229.48	SQMT
WATER			
16	Total Water Requirement	909	KLD
17	Fresh water requirement	543	KLD
18	Treated Water Requirement	729	KLD
19	Wastewater Generation	767	KLD
20	Proposed Capacity of STP	835 KLD (1 No of 765 KLD & 1 No of 70 KLD)	KLD
21	Treated Water Available for Reuse	729	KLD
22	Treated Water Recycled	366	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	363	KLD
RAINWATER HARVESTING			
24	Rainwater Harvesting - Recharge Pits	58	No.
25	Rainwater Harvesting Sump Capacity	370	M ³
PARKING			
25	Total Parking Required as / Building Bye Laws	1484	ECS


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26	Proposed Total Parking	1993 cars, 151 two-wheeler parking	ECS
27	Parking in Basements	1490	ECS
GREEN AREA			
28	Proposed Green Area (Minimum 15.0% of plot area)	5926.56 (16%)	SQMT
	Total area	40745.1	sqm
	Existing trees on plot	-	-
	Number of trees to be planted	500	nos
	Number of trees to be transplanted/cut	-	-
SOLID WASTE MANAGEMENT			
29	Total Solid Waste Generation	3.167	TPD
30	Organic waste	1.267	TPD
31	Mode of Treatment & Disposal	Will be treated in Organic Waste Converter and used as manure for gardening.	TPD
32	Quantity of Sludge Generated from STP & Disposal	38	KG/DAY
33	Quantity of E-Waste Generation & Disposal	-	KG/DAY
34	Quantity of Hazardous waste Generation & Disposal	-	LPD
POWER / GREEN POWER			
34	Total Power Requirement	10250	kva
35	DG set backup	2 Nos of 750 KVA	KVA

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		2 Nos of 625 KVA	
36	No of DG Sets	4	No.
37	Solar Panels – Roof Coverage	50%	%
38	Hot Water Requirement	14.2 KLD	
	Of which met by Solar Panels		

Population details:

POPULATION			
Residential	DU'S	POP/DU	TOTAL POPULATION
Total Saleable Du's	906	6 nos/3 BHK, 7 Nos/4BHK	5690
Total			5690
Non-Residential			
CLUB house (Employees etc.)	Area	-	-
Club			
Commercial			885
Facility Management Staff	-	-	66
Total			951
Visitors			
Residential	-	10% of Residential	569


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		Population	
Club/Community Hall	-	xx% of Residential Population	-
Commercial	-	-	89
Total Visitors			658
Total Population			7299
EMP Cost		Capital Cost – Rs. 773 Lakh Operation Cost – Rs. 62 Lakh	
CER Cost		Rs.10 Crore (PP has accepted to adopt Nandanam Arts College, Nandanam.)	
Details of CER Activities			
S. No.	Description	Budgetary Allocation (in Lakh)	Action Plan
1.	Improvement to infrastructure facilities at Nandanam Arts College, Nandanam and maintenance of these facilities by adopting the College.	1000	One year from the date of issue of EC.
Total		1000 Lakh	

The project proposal falls under Category-8(b) of EIA Notification, 2006 (as amended)

RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the Annexure II of this minutes & normal conditions stipulated by MOEF & CC, in addition to the following specific conditions:


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Additional Conditions:

1. The PP shall furnish notarized affidavit stating that the proposed site does not attract the provisions of CRZ Notification 2011/2019 as per the approved CZMA map of Tamil Nadu and no widening of Buckingham canal proposed in CMDA 2nd/3rd Master plan to SEIAA before issue of EC.
2. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
3. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
4. 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. 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.
5. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
6. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
7. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
8. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.


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9. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
10. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF DFO/Director of Environment and other concerning authority regularly.
11. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
12. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
13. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

Agenda No: 442 – 02

(File No: 10556/2023)

Expansion of existing Residential Complex at Old S. No. 1014 part, 1015 Part, 1016 part, Old T.S.Nos.1/1 part (New T. S No. 1/9) & Old S. No. 1014/1 part Old T. S. No 1/3 part (New T. S. No 1/11), Ward B, Block No 24 of Madhavaram Village, Madhavaram Taluk, Tiruvallur District, Tamil Nadu by the M/s Hiliving Royal Hommes LLP- For Environmental Clearance. (SIA/TN/INFRA2/452914/2023, Dt. 01/02/2024)

The proposal was placed for appraisal in 442nd meeting of SEAC held on 01.02.2024. The details of the project furnished by the proponent are available on the PARIVESH website (parivesh.nic.in).

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. **Environmental Clearance** was accorded to M/s Hiliving Royal Hommes LLP for the construction of Residential Complex at Old S.No. 1014 part, 1015 Part, 1016 part, Old T.S.Nos.1/1 part (New T.S No. 1/9) & Old S.No. 1014/1 part Old T.S.No


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1/3 part (New T.S.No 1/11) , Ward B, Block No 24 of Madhavaram Village, Madhavaram Taluk, Tiruvallur District, Tamilnadu with total Built up area of 29,640.67 Sqm vide Lr No. SEIAA-TN/F.No.9451/EC/8(a)/907/2023 dated 01.02.2023.

2. The existing project consists of Residential Buildings consists of 6 blocks, Block A-Combined Stilt Floor+5 Floors with Club House with 26 Dwelling Units Block B-Combined Stilt Floor+5 Floors with 30 Dwelling Units Block C-Combined Stilt Floor+5 Floors with 40 Dwelling Units Block D-Combined Stilt Floor+5 Floors with 45 Dwelling Units Block E-Combined Stilt Floor+5 Floors with 50 Dwelling Units Block F-Combined Stilt Floor+5 Floors with 30 Dwelling Units having total of 221 Dwelling Units
3. Now Environmental clearance is sought for the proposed Expansion of the existing Residential Complex with total Built up area reducing from 29,640.67 Sqm to 28,683.36 Sqm and for the addition of 5 nos. of dwelling units in Block D.
4. M/s. Ecotech Labs Private Limited is the EIA Consultant for the project.
5. Total plot area of the project is 9085.12 Sq.m and built-up area is 28,683.36 Sqm respectively.
6. Maximum number of floors will be Combined Stilt Floor+ 5 Floors and maximum height of the building will be 18.3 m.
7. The project proposal falls under Category-8(a) of EIA Notification, 2006 (as amended).

Based on the presentation made and documents submitted, the Committee directed the PP to submit details of expansion proposed along with reasons in a tabular format and decided to defer the consideration of the proposal.

Agenda No: 442 – 03

(File No: 10570/2023)

Proposed Construction of High-Rise Residential Building at T.S.No. 11/1, Block No. 27 of Mambalam Village, Mambalam Taluk, Chennai District, Tamil Nadu by M/s Baashyaam Constructions Private Limited - For Environmental Clearance.


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(SIA/TN/INFRA2/455561/2023, Dt. 14/12/2023)

The proposal was placed for appraisal in 442nd meeting of SEAC held on 01.02.2024. The details of the project furnished by the proponent are available on the PARIVESH website (parivesh.nic.in).

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged:

1. The environmental clearance is sought for the Proposed Construction of High-Rise Residential Building at T.S.No. 11/1, Block No. 27 of Mambalam Village, Mambalam Taluk, Chennai District, Tamil Nadu by M/s Baashyaam Constructions Private Limited.
2. M/s Eco Tech Labs Private Limited is the EIA Consultant for the project.
3. Total plot area of the project is 4185 m² and built-up area is 21692.21 m² respectively.
4. Maximum number of floors will be 18 and maximum height of the building will be 60 m.
5. Total Saleable DU's (dwelling units) is 67 nos.
6. Salient features of the project as submitted by the project proponent:


PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Plot Area	4185	SQMT
2	Proposed Built Up Area	21692.21	SQMT
3	Total no of Saleable DU's/Villas	67	No.
4	Max Height - (Height of tallest block)	60	M
5	No of Building Blocks (Residential + Community facilities)	1 Block	
6	Max No of Floors	18	No.


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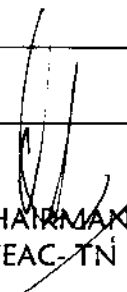
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7	Expected Population (XXX Residential + XXXX Floating)	436 Residential +44 Visitors +4 Maintenance Staff	No.
8	Total Cost of Project	Rs. 118.1124	CR
9	Project Activity :	Residential	
AREAS			
10	Permissible Ground Coverage Area (xx%)	NA	SQMT
11	Proposed Ground Coverage Area (xx%)	899.85 (21.5 %)	SQMT
12	Permissible FSI Area (xxx)	14647.5	SQMT
13	Proposed FSI Area	14694.03 (Premium FSI)	SQMT
14	Other Non FSI Areas - including basement area etc.	6998.18	SQMT
15	Proposed Total Built Up Area	21692.21	SQMT
WATER			
16	Total Water Requirement	66	KLD
17	Fresh water requirement	43	KLD
18	Treated Water Requirement	23	KLD
19	Wastewater Generation	56	KLD
20	Proposed Capacity of STP	65	KLD
21	Treated Water Available for Reuse	53	KLD
22	Treated Water Recycled	23	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	30	KLD
RAINWATER HARVESTING			


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24	Rainwater Harvesting - Recharge Pits	8	No.
25	Rainwater Harvesting Sump Capacity	20	M ³
PARKING			
25	Total Parking Required as / Building Bye Laws	100 cars, 70 two wheeler parking	ECS
26	Proposed Total Parking	205 cars , 107 two wheeler parking	ECS
27	Parking in Basements	125 cars, 70 two wheeler parking	ECS
GREEN AREA			
28	Proposed Green Area (Minimum 15.0% of plot area)	780.95 (18.7%)	SQMT
	Total area	4185	SQMT
	Existing trees on plot	-	
	Number of trees to be planted	70	No.s
	Number of trees to be transplanted/cut	-	
SOLID WASTE MANAGEMENT			
29	Total Solid Waste Generation	0.272	TPD
30	Organic waste	0.109	TPD
31	Mode of Treatment & Disposal	Will be treated in Organic Waste Converter and used as manure for gardening.	TPD
32	Quantity of Sludge Generated from STP & Disposal	3	KG/DAY

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33	Quantity of E-Waste Generation & Disposal	-	KG/DAY
34	Quantity of Hazardous waste Generation & Disposal	-	LPD
	POWER / GREEN POWER		
34	Total Power Requirement	750	KW
35	DG set backup	1 No. of 625 KVA	KVA
36	No of DG Sets	1	No.
37	Solar Panels – Roof Coverage	50%	%
38	Hot Water Requirement	1.2	KLD
	Of which met by Solar Panels		

Population details:

POPULATION			
Residential	DU'S	POP/DU	TOTAL POPULATION
Total Saleable Du's	67	3 BHK – 6/ Dwelling unit 4 BHK – 7/ Dwelling unit	436
Total			436
Non Residential			
CLUB house (Employees etc.)	Area		
Club			


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Commercial			
Facility Management Staff			4
Total			4
Visitors			
Residential	44	xx% of Residential Population	44
Club/Community Hall		xx% of Residential Population	
Commercial			
Total Visitors			44
Total Population			484

EMP Cost		Capital Cost – Rs. 38.84 Lakh Operation Cost – Rs. 17.92 Lakh	
CER Cost		Rs.120 Lakh as accepted by PP	
Details of CER Activities			
S. No	Description	Budgetary Allocation (in Lakh)	Action Plan
1.	Improvement of infrastructure at Government Higher Secondary School, West Mambalam.	20	One year from the date of issue of EC.
2.	Improvement of infrastructure at Pudukkottai Women Arts College.	100	


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	Pudukkottai, in consultation with the Principal.		
Total		120 Lakh	

The project proposal falls under Category-8(a) of EIA Notification, 2006 (as amended)

RECOMMENDATION OF THE COMMITTEE

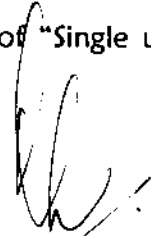
The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the Annexure II of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
2. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
3. 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. 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.
4. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
5. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).


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6. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
7. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
8. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
9. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF DFO/Director of Environment and other concerning authority regularly.
10. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
11. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
12. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

Agenda No: 442-04

File No: 9131/2022

Modification of existing Natural gas-based power plant at Plot No.17/2B, 2C & 2D, Naranamangalam, Narimanam Post, Nagore, Nagapattinam District, Tamil Nadu by M/s. MMS Steel & Power Private Limited - For Terms of Reference.

(SIA/TN/THE/72439/2022, dated 22.02.2022)

The proposal was earlier placed in the 276th meeting of SEAC held on 21.5.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The Project proponent made a detailed presentation.


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The SEAC noted the following:

1. The Proponent, M/s. MMS Steel & Power Private Limited has applied seeking Terms of Reference for the Modification of existing Natural gas-based power plant at Plot No.17/2B, 2C & 2D, Naranamangalam, Narimanam Post, Nagore, Nagapattinam District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of item 1(d) "Thermal Power Plants" of the Schedule to the EIA Notification, 2006 as amended.
3. The Thermal power plant has obtained CTO dated 07.01.2004 from TNPCB for generation of 6.96 MW (2x3.48 MW) using Natural Gas as fuel.
4. CTO (expansion) dated 21.12.2004 was obtained from TNPCB for generation of additional 4 MW (2x2 MW).
5. CTE (expansion) dated 02.02.2006 was obtained from TNPCB for generation of additional 10.5 MW (3x3.5 MW).
6. CTO (expansion) dated 05.04.2007 was obtained from TNPCB for generation of additional 10.5 MW (3x3.5 MW).
7. As the PP has executed the project without obtaining EC and has also not applied during the window period, this has to be treated as violation case under SoP notified by the MoEF & CC outside the window period.

Based on the presentation and documents/clarifications furnished by the project proponent, 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."*

The Committee, therefore, decided to keep the examination of the proposal in


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abeyance until final orders are received from Madurai Bench of the High Court of Madras in the matter W.P.(MD) No. 11757 of 2021 in Fatima Vs Union of India.

The PP vide letter dated 21.09.2023 requested for grant of EC for the project. Hence the subject was taken up for discussion in the 419th meeting of SEAC held on 02.11.2023.

The PP requested additional time to submit the requisite supporting documents. Hence the SEAC decided to defer the subject to a later date.

The PP furnished the additional particulars vide letter dated 23.01.2024 and hence the subject was taken up for discussion in this 442nd meeting of SEAC held on 01.02.2024.

Based on the presentation and the documents furnished by the PP, the SEAC noted that the PP has installed totally 7 nos. of engines utilizing natural gas fuel supplied by GAIL as detailed below:

Sl.No	Engine capacity (MW)	Nos.	Fuel	Total capacity (MW)
1.	3.48 MW	2 Nos	Natural Gas	6.96 MW
2.	2 MW	2 Nos	Natural Gas	4 MW
3.	3.5 MW	3 Nos	Natural Gas	10.5 MW
Total				21.46 MW

The PP further stated that all the aforementioned 7 nos. of engines were installed prior to EIA Notification, 2006. i.e 14th September 2006 with total investment of Rs.41.73 Crore and has furnished the copy of TNPCB Consent order No. 3255 dated 02.02.2006 as supporting document.

Further, as the total investment for the project activity is less than Rs.50 Crore, the activity does not attract EIA Notification, 1994 as amended.

Now the PP has decided to replace the 3 Nos. of obsolete 3.5 MW Natural Gas Based Engine with 1 no. of 8.73 MW from Natural Gas Based Engine (same process) which has been dislocated from Andra Pradesh and shipped to the plant at Nagapattinam in the year 2019. The PP further informed that the old engine has already been disposed of and the 8.73 MW engine is yet to be installed as the TNPCB has called for EC for the same. The Committee, however found that the said 7nos of engines with total capacity of 21.46 MW (Natural gas based) were installed prior to EIA Notification.


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2006 and the total installed capacity after replacement will be only 19.69 MW (downsizing). The PP is only proposing replacement of engines and there is neither an increase in capacity nor any change in technology. Hence the Committee, after detailed discussions decided that the proposed activity does not require Environmental Clearance as per the provisions given under EIA Notification, 2006, as amended.

Agenda No: 442-05


(File No: 8201/2023)

Expansion of existing Residential Apartment complex by M/s. Puravankara Limited., at S. No: 53/3, 53/4, 53/10B, 55, 56/1, 57/2 & 57/4 of Pudupakkam Village, Chengalpattu Taluk, Kancheepuram District, Tamil Nadu – Environmental Clearance under violation category - Regarding. (SIA/TN/MIS/76143/2007, dated: 26.04.2022)

The proposal was placed for appraisal in this 442nd meeting of SEAC held on 31.01.2024. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Puravankara Limited has applied for Environmental Clearance for the Expansion of constructed Residential Apartment complex project at S.F.Nos. 53/3, 53/4, 53/10B, 55, 56/1, 57/2 & 57/4 of Pudupakkam Village, Chengalpattu Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under Category “B1” of Item 8(b) “Building and Construction Projects” of the Schedule to the EIA Notification, 2006.
3. Total Plot area: 127570 .85 Sqm, Built up Area :1,44,596 Sqm with 1184 Dwelling units –construction completed at year 2012 (Fully occupied) – EC obtained Vide letter No. SEIAA/TN/EC/8(a)/006/F-20/2008, Date: 24.07.2008
4. ToR under Violation issued vide Letter No. SEIAA-TN/F.No.8201/Violation/ToR-1036/2021 dated: 13.10.2021
5. The proposal was placed in the 343rd SEAC Meeting held on 05.01.2023 and based on the presentation and document furnished by the project proponent,


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SEAC decided obtain the following additional particulars from the proponent:

- i) Affidavit shall be submitted to undertake Operation & Maintenance for 10 Years.
- ii) Submit the revised EMP including Solar which must cover a minimum of 50% of the roof top area.

Meanwhile, the SEAC decided to constitute a sub-committee to make on-site inspection to assess the present status of the proposed project, environmental settings and to assess ecological damage assessment, remediation plan, natural resource augmentation and community resource augmentation. SEAC also decided to request SEIAA-TN to initiate action to be taken for violation cases in accordance with law.

6. Subsequently, the proposal was placed in the 588th SEIAA meeting held on 01.02.2023. The Authority accepted the decision of SEAC and decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent and the State Government/TNPNB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
7. Based on the above, the State Expert Appraisal Committee (SEAC) constituted a sub-committee vide its Lr. No. SEAC-TN/8201/Site-Inspection/2022, dated 05.01.2023; based on Minutes of the 343rd SEAC Meeting, held on 05.01.2023, to inspect and study the field condition for the proposal seeking EC for Expansion of constructed Residential Apartment complex project at S.F.Nos. 53/3, 53/4, 53/10B, 55, 56/1, 57/2 & 57/4 of Pudupakkam Village, Chengalpattu Taluk, Kancheepuram District. The Committee comprised of Dr. K.S. Kavi Kumar, Member SEAC – TN.
8. Subsequently, the above Sub-committee report was placed in the 356th Meeting of SEAC held on 18.02.2023. After detailed deliberation, SEAC decided to obtain the remarks of the PP on the observations of the sub-committee and also asked the PP to submit the details sought by sub-committee.


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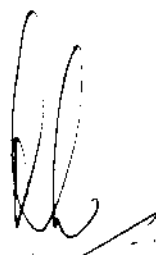
9. Based on the reply furnished by the PP, the proposal was again placed in the 417th SEAC meeting held on 18.10.2023. Based on the presentation and documents furnished by the PP, Committee noted the following.

1. MoEF&CC Letter vide F. No. EP/12.1/SEIAA/3/TN/938 Dated: 01.08.2023.
2. The proponent vide Letter No. SEIAA/TN/EC/8(a)/006/F-20/2008 Dated: 24.07.2008 had obtained EC for the Construction of Residential Apartment built-up area 144596 Sqm (1184 dwelling units) at S.F.No.53/3A, 53/4, 53/10B, 55.56/1.57/2 & 57/4 Pudupakkam Village, Chengalpattu Taluk, Kancheepuram District.
3. Subsequently, the proponent had applied for Terms of Reference under violation category at MoEF&CC vide online proposal no. IA/TN/NCP/63558/2017 Dated: 29.03.2017.
4. However, due to the violation of EIA Notification 2006, EC dated 27.08.2008 was kept in abeyance by the Ministry on 14.10.2013.
5. Order issued by Hon'ble National Green Tribunal, Southern Zone, Chennai dated: 23.05.2022 in OA No. 87 of 2021 (SZ).
6. Subsequently, proponent had filed a civil appeal arising out of impugned final judgment and order dated 02-08-2022 in OA No. 10/2022 and 23-05-2022 in OA No. 87/2021 passed by the National Green Tribunal, Southern Zone which is pending before the Hon'ble Supreme Court of India.

Based on the above facts and documents furnished, SEAC decided to call for additional details.

1. The PP shall submit the chronological dates and events listing all the activities undertaken after obtaining EC dated: 24.07.2008.
2. The proponent shall provide all the details regarding the cases pending before Hon'ble Supreme Court of India, Hon'ble National Green Tribunal etc., and the judgement copy shall be submitted.


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3. The proponent shall submit the details regarding the proposal pending with MoEF&CC submitted under violation category and the Ministry's decision and its current status.
4. The proponent shall submit the details regarding the functioning of STP, viz, Flow meter reading, Report of Analysis – TNPCB, etc.
5. The proponent shall assess the Environmental compensation for the violation of earlier issued EC as per CPCB Guidelines.
6. CCR.

Hence, the Proponent was advised to submit the additional documents/information as sought above within the period of 30 days.

Now the proposal was again placed in the 442nd SEAC meeting held on 01.02.2024 based on the reply furnished by the proponent. Based on the presentation and documents furnished by the PP, the Committee decided to write to MoEF&CC regarding whether the proposal can be proceeded further at State level or the proposal will continue to be dealt with by MoEF&CC.

Upon the receipt of clarification, further deliberation shall be done.

Agenda No: 442 - 06


(File No.10579/2023)

Proposed Additional Construction of High Rise Buildings in the Existing Group Development at S.Nos. 1380/1, 1382, 1383, 1401/97, 22B, 22C, 23A1, 23A2, 23A3, 23B, 24A, 24B, 24C, 24D, 25, 26, 27A, 27B1, 27B2, 28A, 28B, 29A, 29B1, 29B2, 30A, 30B1, 30B2, 31A, 31B1, 31B2, 32, 33, 34A1B, 34A1C, 42B1 & 1485 of Thaiyur B Village, Thiruporur Taluk, Chengalpattu District, Tamil Nadu by M/s. INCOR Chennai Projects Two Private Limited - For Terms of Reference (SIA/TN/INFRA2/451569/2023 dated 30.11.2023).

The proposal was placed for appraisal in the 442nd Meeting of SEAC held on 01.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. INCOR Chennai Projects Two Private Limited has


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submitted an application seeking Terms of Reference for the Proposed Additional Construction of High Rise Buildings in the Existing Group Development at S.Nos. 1380/1, 1382, 1383, 1401/97, 22B, 22C, 23A1, 23A2, 23A3, 23B, 24A, 24B, 24C, 24D, 25, 26, 27A, 27B1, 27B2, 28A, 28B, 29A, 29B1, 29B2, 30A, 30B1, 30B2, 31A, 31B1, 31B2, 32, 33, 34A1B, 34A1C, 42B1 & 1485 of Thaiyur B Village, Thiruporur Taluk, Chengalpattu District, Tamil Nadu.

2. The project/activity is covered under Category "B1" of Item 8(b) "Area and Township development Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proponent M/s. PBEL Property Development (India) Pvt. Ltd has obtained EC vide Lr.No. SEIAA/TN/F. 2375/EC/8(a)/402/2014 dated.01.04.2015.
4. Later, EC under violation category was issued to the project proponent M/s. PBEL Property Development (India) Pvt. Ltd vide Lr.No.SEIAA/TN/F. No.5233/2016/EC/8(a)/986/2023 dated.16.10.2023 for violating the EC dated.01.04.2015. The EC dated.16.10.2023 was accorded for a plot area of 1,71,600 sq.m with built-up area of 77,660sq.m.
5. Now, the proponent M/s. INCOR Chennai Projects Two Private Limited has obtained NOC from M/s. PBEL Property Development (India) Pvt. Ltd., for transfer existing EC in the name of M/s INCOR Chennai Projects Two Pvt. Ltd
6. Further, the proponent M/s. INCOR Chennai Projects Two Private Limited has submitted an application seeking Terms of Reference for the proposed expansion activity. The total plot area and the built-up area after the proposed expansion is 173500.50 sq.m and 711163.89 sq.m respectively.

Based on the presentation made by the proponent and the documents furnished, SEAC decided to recommend the proposal for the grant of Terms of Reference (TOR), 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 proposal to achieve minimum of IGBC Gold green building norms and shall obtain IGBC certificate.
2. The proponent shall furnish NOC obtained from the Airport Authority of India


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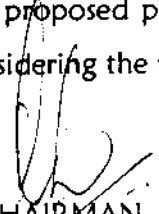
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for the proposed height of the building.

3. The proponent shall include the proposal for Corporate Environment Responsibility in the EIA Report.
4. At least 50% of the total energy consumption should be met through green energy sources.
5. The PP shall explore construction of 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 structure which was crucial to the overall eco-system.
6. Commitment letter from competent authority for supply of water & disposal of treated wastewater shall be furnished.
7. Copy of the village map, FMB sketch and "A" register shall be furnished.
8. Detailed Evacuation plan during emergency/natural disaster/untoward accidents shall be submitted.
9. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
10. Details of the Solid waste management plan shall be prepared as per solid waste management Rules, 2016 and shall be furnished.
11. Details of the E-waste management plan shall be prepared as per E-waste Management Rules, 2016 and shall be furnished.
12. Details of the rain water harvesting system with cost estimation should be furnished.
13. A detailed storm water management plan to drain out the storm water entering the premises during heavy rains period shall be prepared including main drains and sub-drains in accordance with the contour levels of the proposed project considering the flood occurred in the year 2015 and also considering the water


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bodies around the proposed project site & the surrounding development. The storm water drain shall be designed in accordance with the guidelines prescribed by the Ministry of Urban Development.

14. The 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.
15. The proponent shall furnish the specific plan for the plantation.
16. Cumulative impacts of the Project considering with other infrastructure developments and industrial parks in the surrounding environment within 5 km & 10 km radius shall be furnished.
17. A detailed post-COVID health management plan for construction workers as per ICMR and MHA or the State Govt. guideline may be followed and report shall be furnished.
18. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modeling for the ground water, emission, noise and traffic.
19. 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: 442 - 07

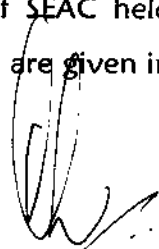
(File No.10586/2023)

Proposed Construction of Non-High-Rise Group Development Residential Building at S.Nos. 267/17, 267/18, 267/19, 267/20, 267/21 & 267/22 of Sathankuppam Village (Hamlet of Pudupakkam), Vandalur Taluk, Chengalpet District, Tamil Nadu by M/s. CasaGrande Zest Private Limited - For Environmental Clearance.

(SIA/TN/INFRA2/453179/2023, dated 23.11.2023)

The proposal was placed for appraisal in the 442nd Meeting of SEAC held on 01.02.2024. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).


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The SEAC noted the following:

1. The Proponent, **M/s. CasaGrande Zest Private Limited** has applied for Environmental clearance for the Proposed Construction of Non High-Rise Group Development Residential Building at S.Nos. 267/17, 267/18, 267/19, 267/20, 267/21 & 267/22 of Sathankuppam Village (Hamlet of Pudupakkam), Vandalur Taluk, Chengalpet 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. M/s. Eco Tech Labs Pvt. Ltd is the EIA Consultant for the proposal.

Based on the presentation and details furnished by the project proponent, the Committee decided to call for the following details from the project proponent to consider the proposal for appraisal:

- i) The proponent shall furnish the commitment letter obtained for fresh water supply from local body concerned/competent water authority like Metro Water or Twad Board.

On receipt of the same, further deliberations shall be done.

Agenda No: 442 - 08

(File No.10614/2023)

Proposed Construction of Residential Building Complex at old Survey Nos. 771/1A & 771/2A and new S.F. No. 771/2A1 of Madambakkam Village, Tambaram taluk, Chengalpattu District, Tamil Nadu by M/s. DRA Aadithya City Projects Private limited - For Environmental Clearance (SIA/TN/INFRA2/456377/2023, dated 23.12.2023)

The proposal was placed for appraisal in the 442nd Meeting of SEAC held on 01.02.2024. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, **M/s. DRA Aadithya City Projects Private limited** has applied for Environmental clearance for the Proposed Construction of Residential Building Complex at old Survey Nos. 771/1A & 771/2A and new S.F. No. 771/2A1 of Madambakkam Village, Tambaram taluk, Chengalpattu District, Tamil Nadu.


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

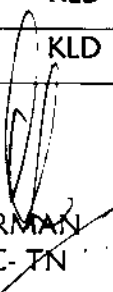
3. M/s Eco Services India Private Limited is the EIA Consultant for the proposal.

4. The salient features of the proposal are as follows:


Project Summary			
Sl. No.	Description	Total Quantity	Unit
General			
1.	Plot Area	9,580	SQMT
2.	Proposed Built Up Area	30,670	SQMT
3.	Total no of Saleable DU's	217	No.
4.	Max Height - (Height of tallest block)	18.30	M
5.	No of Building Blocks (Residential)	4	
6.	Max No of Floors	5 + 5 floors + terrace	Nos.
7.	Expected Population (Residential + Floating)	1248	No.
8.	Total Cost of Project	95.74	CR
Areas			
1.	Permissible Ground Coverage Area (50 %)	4,790	SQMT
2.	Proposed Ground Coverage Area (49 %)	4,697	SQMT
3.	Permissible FSI Area (2.6)	24,908	SQMT
4.	Proposed FSI Area (2.517)	24,113	SQMT
5.	Other Non FSI Areas - including other utilities areaetc.	6,557	SQMT
6.	Proposed Total Built Up Area	30,670	SQMT
Water			
1.	Total Water Requirement	156	KLD
2.	Fresh water requirement	100	KLD
3.	Treated Water Requirement	56	KLD


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4.	Wastewater Generation (STP)	151	KLD
8.	Proposed Capacity of STP	180	KLD
9.	Treated Water Available for Reuse	151	KLD
10	Treated Water Recycled	56	KLD
11	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any.	95	KLD
Rainwater Harvesting			
1.	Rainwater Harvesting - Recharge Pits	12	Nos.
2.	Rainwater Harvesting Sump Capacity	160 (2 nos. of 80 Cu.m)	M ³
Parking			
1.	Total Parking Required as / Building Bye Laws	217 Nos. of Cars and 44 Nos. of Two Wheelers	Nos.
2.	Proposed Total Parking	220 Nos. of Cars and 48 Nos. of Two Wheelers	Nos.
3.	Parking in Basements	-	Nos.
B5. Green Area			
1.	Proposed Green Area	1456 (15%)	SQMT
2.	Total area	9,580	SQMT
3.	Existing trees on plot	65	Nos.
4.	Number of trees to be planted	150	Nos.
5.	Number of trees to be transplanted/cut	53 Nos. (Transplanted & Retained) 12 Nos. (Felled)	Nos.


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Solid Waste Management			
1.	Total Solid Waste Generation	715	Kg/day
2.	i) Organic waste ii) In-organic Waste	421 Kg/day 279 Kg/day	Kg/day
3.	Mode of Treatment & Disposal i) Organic waste ii) In-organic Waste	OWC Handed over to authorized recyclers	-
5.	Quantity of Sludge Generated from STP & Disposal	15 kg/day – used as manure for gardening after dewatering	-
6.	Quantity of E-Waste Generation & Disposal	0.5 – will be handed over to authorized recyclers	T/annum
7.	Quantity of Hazardous waste Generation	1.0 – will be handed over to authorized persons	T/Annum
Power / Green Power			
1.	Total Power Requirement	2	MVA
2.	Solar Panels – Roof Coverage	50	%
	Hot Water Requirement	Solar power will be distributed through panels	
	Of which met by Solar Panels		

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		for 50% of geysers	
3.	DG set backup	750 KVA (1 nos. of 500 KVA, 1 no. of 250 KVA)	KVA
4.	No of DG Sets	2	No.
Population Details			
Residential			
		DU'S	POP/DU
			TOTAL POPULATION
1	Residential population	217	5 persons per unit
			1,085 Nos.
Non Residential			
2	Facility Management Staff	54 (5% of fixed residential population)	54 Nos.
3	Visitors	109 (10% of fixed residential population)	109 Nos.
Total Population (Residential, Non Residential & Visitors)			1,248 Nos.

EMP & CER	
EMP Cost	<u>Construction Phase:</u> Capital Cost – Rs.23.36 Lakhs O&M Cost/Annum – Rs.5.87 Lakhs <u>Operational Phase:</u> Capital Cost – Rs.148 Lakhs Recurring Cost (per annum) – 36.06 Lakhs


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CER Cost	Rs. 95 Lakhs
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RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended the proposal for grant of environmental clearance subject to the standard conditions as per the Annexure II of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

Additional Conditions:


1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
2. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
3. 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. 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.
4. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
5. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
6. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.

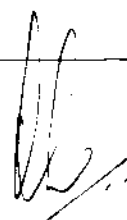

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7. The project proponent should develop green belt in the project area as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
8. Project proponent should invest the CSR/CER amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
9. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF&CC/Director of Environment and other concerning authority regularly.
10. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
11. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
12. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.
13. As agreed by the project proponent, the CER cost is Rs.95 Lakhs and the amount shall be spent within one year from the date of issue of EC.

S. No.	Beneficiary	Capital cost Allocation (in Lakhs)
1	Improvements to infrastructure facilities of the following schools. i. Govt. Girls Hr.Sec School, East Tambaram ii. Govt. Primary School, Selaiyur	95


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	iii. Municipal Higher Secondary School, Selaiyur	
Total Cost Allocation		95

Agenda No: 442 - 09

(File No.10621/2023)

Proposed Construction of High Rise Residential Building at S.F.No. 108B/2, 109/1, 109/2, 109/4A3, 109/4A4, 111/1C1A, 111/1C1B, 112/1, 112/2, 112/4, 112/5, 113/1, 113/2, 113/3, 114/2, 114/3A, 114/3B, 114/3C, 114/4, 114/5, 114/6, 114/7, 115/1, 115/2, 115/3, 115/4, 116, 117/1, 117/2, 117/3, 117/4, 117/5, 117/6, 120/1, 121/2, 122/1A, 122/1B, 122/2, 123/1, 123/2, 123/3, 123/4, 123/5, 123/6, 123/7, 124/2, 124/3, 124/4, 124/5, 125/1A, 125/1B, 125/2A, 125/2B, 126, 127/1, 127/2, 127/3A, 127/3B, 128/1, 128/2, 128/3, 128/4, 128/5, 129/1, 129/2, 130/1, 130/2A, 130/2B1, 130/2B2, 130/3, 130/4, 131, 132/2A, 132/2B, 133/1, 133/2, 134/1, 134/2A, 134/2B, 134/2C, 136/1 & 136/2 Melakottaiyur Village, Vandalur Taluk, Chengalpet District, Tamil Nadu by M/s. Casagrand Magnum Private Limited - For Terms of Reference (SIA/TN/INFRA2/457427/2024, dated 02.01.2024).

The proposal was placed for appraisal in the 442nd Meeting of SEAC held on 01.02.2024. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. Casagrand Magnum Private Limited has applied for Terms of Reference for the Proposed Construction of High Rise Residential Building at S.F.No. 108B/2, 109/1, 109/2, 109/4A3, 109/4A4, 111/1C1A, 111/1C1B, 112/1, 112/2, 112/4, 112/5, 113/1, 113/2, 113/3, 114/2, 114/3A, 114/3B, 114/3C, 114/4, 114/5, 114/6, 114/7, 115/1, 115/2, 115/3, 115/4, 116, 117/1, 117/2, 117/3, 117/4, 117/5, 117/6, 120/1, 121/2, 122/1A, 122/1B, 122/2, 123/1, 123/2, 123/3, 123/4, 123/5, 123/6, 123/7, 124/2, 124/3, 124/4, 124/5, 125/1A, 125/1B, 125/2A, 125/2B, 126, 127/1, 127/2, 127/3A, 127/3B, 128/1, 128/2, 128/3, 128/4, 128/5, 129/1, 129/2, 130/1, 130/2A, 130/2B1, 130/2B2, 130/3, 130/4, 131, 132/2A.


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132/2B, 133/1, 133/2, 134/1, 134/2A, 134/2B, 134/2C, 136/1 & 136/2 Melakottaiyur Village, Vandalur Taluk, Chengalpet District, Tamil Nadu.

2. The project/activity is covered under Category "B1" of Item 8(b) "Area and Township Development Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, EC was accorded to the project proponent, M/s. Casagrand Magnum Private Limited vide Letter No. SEIAA/TN/F.No.9420/EC.No.926/2023 dated:03.04.2023 for a plot area of 155278.02 Sq.m with a built-up area of 248899 Sq.m.
4. The EC was accorded for the High-rise group development consisting of 4 blocks- Block 1,2 & 3 with Single combined basement & stilt floor + 36 upper floors and Block 4 – Club House with Ground floor + 4 floors with swimming pool on the ground floor and totally 1584 units.
5. Now, the proponent proposes to modify the building plan. As per the modified proposal, the project comprises of 4 blocks with combined **Double basement** for block 1, 2, 3 & 4 - Block 1: Basement 1 & 2 + Ground floor + 36 upper floors (443 DUs), Block 2: Basement 1 & 2 + Ground floor + 36 upper floors (443 DUs), Block3: Basement 1 & 2 + Ground floor + 36 upper floors (516 DUs), Block 4 (Club house): Basement 1 & 2 + Ground + 3 upper floors, Swimming pool on the Ground floor. The total land area and built-up area after modification are 155250 Sq.m and 248487.21 Sq.m respectively.
6. Hence, the proponent submitted a fresh application seeking Terms of Reference for the modified proposal.

Based on the presentation made by the proponent and the documents furnished, SEAC decided to **recommend the proposal for the grant of Terms of Reference (TOR)**, 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 proposal to achieve minimum of IGBC Gold green building norms and shall obtain IGBC certificate.
2. The proponent shall furnish NOC obtained from the Airport Authority of India for the proposed height of the building, as applicable.


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3. The proponent shall include the proposal for Corporate Environment Responsibility in the EIA Report.
4. At least 50% of the total energy consumption should be met through green energy sources.
5. The PP shall explore construction of 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 structure which was crucial to the overall eco-system.
6. Commitment letter from competent authority for supply of water & disposal of treated wastewater shall be furnished.
7. Copy of the village map, FMB sketch and "A" register shall be furnished.
8. Detailed Evacuation plan during emergency/natural disaster/untoward accidents shall be submitted.
9. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
10. Details of the Solid waste management plan shall be prepared as per solid waste management Rules, 2016 and shall be furnished.
11. Details of the E-waste management plan shall be prepared as per E-waste Management Rules, 2016 and shall be furnished.
12. Details of the rain water harvesting system with cost estimation should be furnished.
13. A detailed storm water management plan to drain out the storm water entering the premises during heavy rains period shall be prepared including main drains and sub-drains in accordance with the contour levels of the 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


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

14. 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.
15. The proponent shall furnish the specific plan for the plantation.
16. Cumulative impacts of the Project considering with other infrastructure developments and industrial parks in the surrounding environment within 5 km & 10 km radius shall be furnished.
17. A detailed post-COVID health management plan for construction workers as per ICMR and MHA or the State Govt. guideline may be followed and report shall be furnished.
18. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modeling for the ground water, emission, noise and traffic.
19. 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: 442-10

(File No: 7412/2020)

Proposed 1x 10 MW Coal Based Co-Gen Thermal Power Plant at S.F No.491, Plot No. B-25, SIPCOT Industrial Growth Center of Oragadam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s. Apollo Tyres Limited - For Environmental Clearance. (SIA/TN/THE/454691/2023, Dated:19.12.2023).

The proposal was placed in 442nd SEAC Meeting held on 01.02.2024. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. Apollo Tyres Limited has applied for Environmental Clearance for the Proposed 1x 10 MW Coal Based Co-Gen Thermal Power Plant


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at S.F No.491, Plot No. B-25, SIPCOT Industrial Growth Center of Oragadam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.

2. The project/activity is covered under Category "B1" of item 1(d) "Thermal Power Plants" of the Schedule to the EIA Notification, 2006 as amended.
3. ToR issued vide Lr.No.SEIAA-TN/F.No.7412/SEAC/1(d)/ToR-1298/2022 dated:26.10.2022.

The SEAC noted that the M/s. Apollo Tyres Limited was issued ToR with Public hearing dated 26.10.22, whereas the PP has submitted EIA report without Public hearing. Hence the Committee decided that the PP shall do the following.

- (i) The PP shall conduct public hearing.
- (ii) The EMP shall be revised based on public hearing, if necessary.
- (iii) The PP shall explore the possibility of replacing/reducing coal as feedstock.

Agenda No: 442-11

(File No: 10587/2023)

Construction of IT Park "SP INFOCITY" at S.Nos. 36/17A, 227/1A, 227/1B, 227/2A1, 227/2A2 & 228/1A1C of Perungudi Village, Sholinganallur Taluk, Chengalpattu District, Tamil Nadu by M/s.Faery Estates Private Limited - For Environmental Clearance Name Transfer. (SIA/TN/MIS/302123/2023, Dated: 24.07.2023).

The proposal was placed in the 645th Authority Meeting held on 10.01.2024. The Authority noted that the proponent has made request for transfer of EC from M/s.Faery Estates Private Limited to M/s.Airoli ITP Development Private Limited.

The Authority requested the SEAC to look into whether all the EC conditions has been followed and also take a look into the compliance report and to offer opinion for name transfer as requested.

Now the proposal was placed in 442nd meeting of SEAC held on 01.02.2024. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s.Faery Estates Private Limited has applied for Environmental Clearance Name Transfer to M/s.Airoli ITP Development Private Limited for the construction of IT Park "SP INFOCITY" at S.Nos. 36/17A, 227/1A, 227/1B,


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227/2A1, 227/2A2 & 228/1A1C of Perungudi Village, Sholinganallur Taluk, Chengalpattu District, Tamil Nadu.

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

3. EC Issued by MOEF vide - No. 21-495/2006-IA-III dated:23.07.2007.

The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

Agenda No: 442-12

(File No: 6699/2019)

Proposed construction of 720 Tenements at S.F. Nos. 296/1 & 296/2A of Nethajipuram, Kuniyamuthur Village, Perur Taluk, Coimbatore District, Tamil Nadu by M/s. Tamil Nadu Urban Habitat Development Board (formerly known as M/s. Tamil Nadu Slum Clearance Board) – For Amendment in Environmental Clearance.


(SIA/TN/MIS/276842/2022, Dated: 11.06.2022)

The proposal was placed for appraisal in this 442nd meeting of SEAC held on 01.02.2024. 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. Tamil Nadu Urban Habitat Development Board (formerly known as M/s. Tamil Nadu Slum Clearance Board) has obtained Environmental Clearance vide EC Letter No. SEIAA/TN/F.6699/EC/8(a)/637/2019 dated: 07.03.2019 for the Proposed construction of 720 Tenements with 13 Blocks each (G+3 floors) at S.F. Nos. 296/1 & 296/2A of Nethajipuram, Kuniyamuthur Village, Perur Taluk, Coimbatore District, Tamil Nadu for the total builtup area of 26,901.40 sq.m.
2. Now, the PP has applied for the following amendment vide proposal No. SIA/TN/MIS/276842/2022, Dated: 11.06.2022 is as follows

SL No	Description	As per approved EC	Amendment sought
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1) UTILITIES - WATER			
i) Total Fresh Water Requirements		Total Water Requirement – 491 KLD Fresh Water– 327 KLD Flushing Water – 164 KLD	Total Fresh Water Requirement – 511 KLD Domestic Water Requirement – 327 KLD Toilet Flushing – 164 KLD Greenbelt development – 20 KLD
ii) Toilet Flushing		164 KLD (Recycled Water)	164 KLD (Fresh Water)
iii) Green belt development		20 KLD (Recycled Water)	20 KLD (Fresh Water)
2) Waste Water			
i) Sewage		Grey water generation – 295 KLD Sewage generation – 164 KLD	Sewage Generation – 459 KLD
ii) Details of Treatment		Grey water Treatment Plant – 300 KLD 1. Bar Screen Chamber 2. Collection Tank 3. Neutralization tank 4. Basket strainer 5. Pressure sand filter 6. Ultra filtration 7. Permeate tank 8. Grey water treatment tank Sewage Treatment Plant – 200 KLD	Nil


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		1. Bar Screen Chamber 2. Collection Tank 3. Aeration tank 4. Secondary settling tank 5. Pressure sand filter 6. Activated Carbon filter 7. UV System 8. Treated water tank 9. Sludge drying bed	
	iii) Mode of Disposal with quantity	Treated Sewage: 1. Toilet Flushing – 164 KLD 2. Greenbelt development – 20 KLD 3. UGD line of Coimbatore Corporation – 275 KLD	UGD line of Coimbatore Corporation – 459 KLD
3)	iii) STP Sludge	50 Kg/day – Manure for greenbelt development	Nil
4)	EMP Cost	Capital Cost – Rs. 350 Lakhs Recurring Cost – Rs. 56 Lakhs	For Operation phase: Capital Cost – Rs 95 Lakhs Recurring cost – Rs 28.7 Lakhs

During the execution of the project, M/s. Tamil Nadu Urban Habitat Development Board had been approached by TWAD Board to provide land to construct a sewage pump house in the said site under the UGD scheme with a common STP for Kurichi and Kuniyamuthur areas. So, M/s. Tamil Nadu Urban Habitat Development Board has decided to dispose the sewage generated from the project site through UGD line of Coimbatore Corporation, without installing STP & GWTP.


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3. Earlier, this proposal was taken up for discussion in the 384th SEAC meeting held on 16.06.2023. Based on the presentation & details furnished by the project proponent, the SEAC decided to obtain the following details from the PP.

- i. Commitment letter to be obtained from Coimbatore Municipal Corporation for supply of water and also for letting out of untreated sewage through UGD.

On the receipt of the same further deliberation will be done.

4. The proponent vide letter dated 08.01.2024 submitted the Commitment letter obtained from Coimbatore Municipal Corporation for supply of water and also for letting out of untreated sewage through UGD.

Based on the presentation & documents furnished by the PP, the SEAC decided to recommend for the grant of the following amendment in the Environmental Clearance issued dated 07.03.2019 subject to following specific conditions.

SL No	Description	As per approved EC	Amendment recommended
11)	UTILITIES - WATER		
	Total Fresh Water Requirements	Total Water Requirement – 491 KLD Fresh Water– 327 KLD Flushing Water – 164 KLD	Total Fresh Water Requirement – 511 KLD Domestic Water Requirement – 327 KLD Toilet Flushing – 164 KLD Greenbelt development – 20 KLD
	ii) Toilet Flushing	164 KLD (Recycled Water)	164 KLD (Fresh Water)
	iii) Green belt development	20 KLD (Recycled Water)	20 KLD (Fresh Water)
12)	Waste Water		
	i) Sewage	Grey water generation – 295 KLD	Sewage Generation – 459 KLD


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		Sewage generation – 164 KLD	
ii) Details of Treatment		<p>Grey water Treatment Plant – 300 KLD</p> <ol style="list-style-type: none"> 1. Bar Screen Chamber 2. Collection Tank 3. Neutralization tank 4. Basket strainer 5. Pressure sand filter 6. Ultra filtration 7. Permeate tank 8. Grey water treatment tank <p>Sewage Treatment Plant – 200 KLD</p> <ol style="list-style-type: none"> 1. Bar Screen Chamber 2. Collection Tank 3. Aeration tank 4. Secondary settling tank 5. Pressure sand filter 6. Activated Carbon filter 7. UV System 8. Treated water tank 9. Sludge drying bed 	Nil
iii) Mode of Disposal with quantity		<p>Treated Sewage:</p> <ol style="list-style-type: none"> 1. Toilet Flushing – 164 KLD 2. Greenbelt development – 20 KLD 3. UGD line of Coimbatore Corporation – 275 KLD 	UGD line of Coimbatore Corporation – 459 KLD


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13)	iii) STP Sludge	50 Kg/day – Manure for greenbelt development	Nil
16)	EMP Cost	Capital Cost – Rs. 350 Lakhs Recurring Cost – Rs. 56 Lakhs	For Operation phase: Capital Cost – Rs 95 Lakhs Recurring cost – Rs 28.7 Lakhs

All other conditions and validity mentioned in the EC vide Letter No. SEIAA/TN/F.6699/EC/8(a)/637/2019 dated 07.03.2019 shall remain unchanged and unaltered.

Agenda No: 442-13

(File No: 9352/2022)

Proposed manufacturing of Active Pharmaceutical Ingredients (API) & API intermediates at Plot No: 6 & 7, Plot No. C-29B, SIPCOT Industrial Park, Bargur-SEZ, Balethottam and Olaipatti Village, Pochampalli and Uthangarai Taluk, Krishnagiri District, Tamil Nadu by M/s. Redun Pharma LLP - For Environmental Clearance.

(SIA/TN/IND3/455742/2023, Dated: 04.01.2024)

The proposal was placed for appraisal in this 442nd meeting of SEAC held on 01.02.2024. 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. Redun Pharma LLP has applied for Environmental Clearance for the Proposed manufacturing of Active Pharmaceutical Ingredients (API) & API intermediates at Plot No: 6 & 7, Plot No. C-29B, SIPCOT Industrial Park, Bargur-SEZ, Balethottam and Olaipatti Village, Pochampalli and Uthangarai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 5(f) "Synthetic organic chemicals industry" of the Schedule to the EIA Notification/2006.
3. ToR issued vide Letter No. SEIAA-TN/F.No.9352/2022/5(f) ToR-1249/2022


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Dated: 30.08.2022.

4. EIA report submitted on 10.01.2024

5. The project proposes to manufacture 2.40 TPA of Dorzolamide Hydrochloride and 6.00 TPA of Nebivolol Hydrochloride. The total quantity of By Products is 114.76 TPA.

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

1. The PP shall furnish batchwise/per day mass balance / material balance and flow diagram in a clear manner as suggested by the Committee during the meeting.

On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.

Agenda No: 442-14.

File No: 10617/2023

Proposed Expansion for Construction of Jurojin Industrial and Logistics Park (Light and Heavy Engineering/ Manufacturing / Assembling Park / Industrial Storage) consisting of 8 Nos of HIP Building at S.F. No: 26/1, 2, 3; 27/1, 2; 28/1, 2, 3, 4, 5, 6B, 7B, 8B; 29/1, 2, 3, 4, 5B; 30/1, 2, 3, 4, 5, 6, 7A1, 7A2, 7B, 8, 9; 31/1; 37/2B1A; 44/4 in Alinjivakkam Village (Jaganathapuram Revenue Village) & 20, 21/2, 26/1, 2, 27/1B3, 1B4, 2B; 28/1, 2; 29; 30/1, 2; 31, 32, 33/1, 2; 34/1, 2, 3B, 3A2; 35/1, 2; 36, 37/1, 2A, 2B; 38/1, 2A, 2B; 39/1, 2; 40; 41; 42/2; 43/1A1A2, 1A1B, 2B2; 46; 47; 48/1A, 2; 49/2B; in Bandikavanur Village, Ponneri Taluk, Thiruvallur District, Tamil Nadu by M/S. Jurojin Developers Pvt. Ltd- For Expansion of Environmental Clearance. (Proposal No.SIA/TN/INFRA2/455898/2023, dt: 20/12/2023).

The proposal was placed in 442nd Meeting of SEAC held on 01.02.2024. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -


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1. Earlier, the PP has obtained EC from SEIAA vide Ir. SEIAA-TN/F.No.9140/EC/8(a)/858/2022 for plot area 146160 Sq.m & Total Built-up Area 89989.05 Sq.m.
2. Now, the expansion for environmental clearance is sought for Construction Project at Plot No: S.F. No: 26/1, 2, 3; 27/1, 2; 28/1, 2, 3, 4, 5, 6B, 7B, 8B; 29/1, 2, 3, 4, 5B; 30/1, 2, 3, 4, 5, 6, 7A1, 7A2, 7B, 8, 9; 31/1; 37/2B1A; 44/4 in Alinjivakkam Village (Jaganathapuram Revenue Village) & 20, 21/2, 26/1, 2, 27/1B3, 1B4, 2B; 28/1, 2; 29; 30/1, 2; 31, 32, 33/1, 2; 34/1, 2, 3B, 3A2; 35/1, 2; 36, 37/1, 2A, 2B; 38/1, 2A, 2B; 39/1, 2; 40; 41; 42/2; 43/1A1A2, 1A1B, 2B2; 46; 47; 48/1A, 2; 49/2B; in Bandikavanur Village, Ponneri Taluk, Thiruvallur District by M/s. Jurojin Developers Private Limited.
3. M/s REDSEA ECO SOLUTIONS AND INSTRUMENTS PRIVATE LIMITED is the EIA Consultant for the project.
4. Total plot area of the project is 252720.05 m² and total built-up area is 133647.22 m² respectively.
5. The project proposal falls under Category- 8(a) of EIA Notification, 2006as amended.

Based on the presentation and documents furnished by the project proponent, SEAC during presentation it was noted that the comparative statement furnished by the EIA coordinator is found to be deficient of certain details in regard to the proposed expansion and the existing activities. Hence, SEAC decided to defer the proposal and to seek comparative statement for the proposed expansion and the existing activities in the prescribed format backed up with detailed explanation.

Agenda No: 442-15

(File No: 10569/2023)

Proposed Expansion of Construction of Multi Storied Building at old S.F.No. 125/2pt, 126/1pt, 134/1pt & 138, New S.F.Nos.13/9pt, 13/3pt, 18/14, 13/1, 13/2, 13/3, 13/5, 15/5, 15/3 of Athipattu Village, Ambattur Taluk, Chennai District, Tamil Nadu by Tmt. S. Sudharani - For Environmental Clearance (SIA/TN/INFRA2/453246/2023 dated: 24.11.2023).


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The proposal was placed in the 442nd Meeting of SEAC held on 01.02.2024. 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, Tmt.S.Sudharani has applied for Environmental Clearance for the Proposed Expansion of Construction of Multi Storied Building at old S.F.No. 125/2pt, 126/1pt, 134/1pt & 138, New S.F.Nos.13/9pt, 13/3pt, 18/14, 13/1, 13/2, 13/3, 13/5, 15/5, 15/3 of Athipattu Village, Ambattur Taluk, Chennai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. Tmt.S. Sudharani has obtained Environmental Clearance to construct Multi Storied building in Old S.Nos: 125/2pt, 126/1pt,134/1pt & 138, New S.Nos: 13/9pt, 13/3pt, 18/14, 13/1, 13/2, 13/3, 13/5, 15/5, 15/3 Athipattu Village, Ambattur Taluk, Chennai District, Tamilnadu for the total built-up area of 94532.27 Sq.m. (Reference: Letter No. SEIAA-TN/F.No.9673/EC/8(a)/963/2023 dated: 28.07.2023)
2. The existing project consists of Residential Buildings consists of 3 blocks, Blocks - A, B, C, with combined basements 1 & 2, Block-A: stilt + 18th floors + part 19th floor with 288 nos. of units; Block-B: stilt + 18th floors + part 19th floor with 288 nos. of units; Block-C: stilt + 19th floors with 114 nos. of units having total of 690 Dwelling Units
3. The environmental clearance is sought for the proposed Expansion in Construction of Residential Complex in Old S.Nos: 125/2pt, 126/1pt,134/1pt & 138, New S.Nos: 13/9pt, 13/3pt, 18/14, 13/1, 13/2, 13/3, 13/5, 15/5, 15/3 Athipattu Village, Ambattur Taluk, Chennai District, Tamilnadu.
4. M/S. Eco Tech Labs Pvt. Ltd is the EIA Consultant for the project.
5. Total plot area of the project is 15552.28 Sq.m and built-up area is 92701 Sq.m respectively.


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6. Maximum number of floors will be 2B+G+21 and maximum height of the building will be 66.96 m.

7. Total Saleable DU's (dwelling units) is 588.

8. Salient features of the project as submitted by the project proponent:

PROJECT SUMMARY					
Sl. No.	Description	Existing EC		After Expansion	
		Total Quantity	Unit	Total Quantity	Unit
GENERAL					
1	Plot Area	15552.28	SQMT	15552.28	SQMT
2	Proposed Built Up Area	94532.27	SQMT	92701	SQMT
3	Total no of Saleable DU's/Villas	690	No.	588	No.
4	Max Height - (Height of tallest block)	60	M	66.96	M
5	No of Building Blocks (Residential + Community facilities)	3 Blocks for residential		2 Blocks for residential and 1 Block for Plant room	
6	Max No of Floors	19	No.	21	No.
7	Expected Population (XXX Residential + XXXX Floating)	2842	No.	3543	No.
8	Total Cost of Project	178.18	CR	178.18	CR
9	Project Activity :				
AREAS					

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10	Permissible Ground Coverage Area (xx%)	6124.73	SQMT	6124.73	SQMT
11	Proposed Ground Coverage Area (xx%)	3414.46 (28%)	SQMT	3727.52	SQMT
12	Permissible FSI Area (xxx)	--	SQMT	75817.365	SQMT
13	Proposed FSI Area	64279.16	SQMT	64672.63	SQMT
14	Other Non FSI Areas - including basement area etc.	30253.11	SQMT	28028.37	SQMT
15	Proposed Total Built Up Area	94532.27	SQMT	92701	SQMT
WATER					
16	Total Water Requirement	374	KLD	460	KLD
17	Fresh water requirement	235	KLD	292	KLD
18	Treated Water Requirement	139	KLD	168	KLD
19	Wastewater Generation	328	KLD	408	KLD
20	Proposed Capacity of STP	360	KLD	430	KLD
21	Treated Water Available for Reuse	312	KLD	388	KLD
22	Treated Water Recycled	139	KLD	168	KLD
23	Surplus treated water to be discharged in	173	KLD	220	KLD


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	Municipal Sewer with Prior permission, if any				
RAINWATER HARVESTING					
24	Rainwater Harvesting - Recharge Pits	25	No.	24	No.
25	Rainwater Harvesting Sump Capacity	65	M ³	70	M ³
PARKING					
25	Total Parking Required as / Building Bye Laws	Cars – 450 2-wheelers - 760	ECS	Cars – 600 Two Wheelers - 145	ECS
26	Proposed Total Parking	Cars – 595 2-wheelers - 853	ECS	Cars – 640 Two Wheelers - 162	ECS
27	Parking in Basements	Cars – 439 2-wheelers - 706	ECS	Cars – 503 Two Wheelers - 162	ECS
GREEN AREA					
28	Proposed Green Area (Minimum 15.0% of plot area)	2335.00	SQMT	2335.00	SQMT
	Total area	15552.28	SQMT	15552.28	SQMT
	Existing trees on plot	20	Nos.	20	Nos.
	Number of trees to be planted	500	Nos.	500	Nos.
	Number of trees to be transplanted/cut	0	Nos.	0	Nos.
SOLID WASTE MANAGEMENT					

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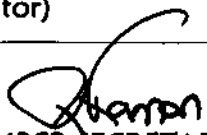
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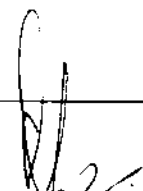
29	Total Solid Waste Generation	1.593	TPD	1.985	TPD
30	Organic waste	0.637	TPD	0.794	TPD
31	Mode of Treatment & Disposal	Will be treated in Organic Waste Converter and used as manure for gardening.	TPD	Will be treated in Organic Waste Converter and used as manure for gardening.	TPD
32	Quantity of Sludge Generated from STP & Disposal	15	KG/DAY	15	KG/DAY
33	Quantity of E-Waste Generation & Disposal	7	KG/DAY	7	KG/DAY
34	Quantity of Hazardous waste Generation & Disposal	-	LPD	-	LPD
POWER / GREEN POWER					
34	Total Power Requirement	3850	KW	3850	KW
35	DG set backup	1 no. of 500 KVA	KVA	1 no. of 500 KVA	KVA
36	No of DG Sets	1	No.	1	No.
37	Solar Panels – Roof Coverage	50	%	50	%
38	Hot Water Requirement Of which met by Solar Panels	8 KLD		8 KLD	Litres


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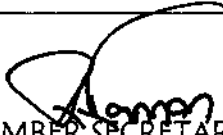

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Details of POPULATION		
	TOTAL POPULATION (Existing EC) (Nos.)	TOTAL POPULATION (Proposed Expansion Activity) (Nos.)
Residential		
Total Saleable Du's	690	588
POP/DU	1 BHK – 4, 2 BHK – 5, 3 BHK – 6, 4 BHK - 7	1 BHK – 4, 2 BHK – 5, 3 BHK – 6, 4 BHK - 7
TOTAL Residential POPULATION	2560	3192
Non-Residential		
CLUB house (Employees etc.) -		-
Club	-	-
Commercial	-	-
Facility Management Staff	26	32
Total Non- Residential		
Visitors		
Residential	256	319
Club/Community Hall	-	-
Commercial	-	-
Total Visitors	-	-
Total Population (Residential 2842 + Non-Residential + Visitor)		3543


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EMP Cost	EXISTING – Construction Phase: Capital Cost - Rs. 10.85 Lakhs Recurring cost- Rs. 3.7 Lakhs Operation Phase: Capital Cost - Rs. 137 Lakhs Recurring cost- Rs. 33.88 Lakhs Proposed - Construction Phase: Capital Cost - Rs. 10.85 Lakhs Recurring cost- Rs. 3.7 Lakhs Operation Phase: Capital Cost - Rs. 139.85 Lakhs Recurring cost- Rs. 33.88 Lakhs											
CER Cost	Rs. 180 Lakhs											
Details of CER Activities	<table><tr><th>S. No.</th><th>CER Activity - EXISTING</th><th>Capital cost Allocation (in lakhs)</th><th>Action plan</th></tr><tr><td>1</td><td>Provision of Infrastructure & sanitation facilities such as hygienic toilets facilities, Classroom flooring, Furniture, Environmental awareness books for students in library,</td><td>100</td><td>Will be spent within 12 months from the date of issue of EC.</td></tr></table>				S. No.	CER Activity - EXISTING	Capital cost Allocation (in lakhs)	Action plan	1	Provision of Infrastructure & sanitation facilities such as hygienic toilets facilities, Classroom flooring, Furniture, Environmental awareness books for students in library,	100	Will be spent within 12 months from the date of issue of EC.
S. No.	CER Activity - EXISTING	Capital cost Allocation (in lakhs)	Action plan									
1	Provision of Infrastructure & sanitation facilities such as hygienic toilets facilities, Classroom flooring, Furniture, Environmental awareness books for students in library,	100	Will be spent within 12 months from the date of issue of EC.									


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	Greenbelt development for		
	i. Mogappair Government Primary School– 0.74 km, E – 33 Lakhs.		
	ii. Govt Hr Sec School, Mugappair West– 1.07 km, E – 33 Lakhs		
	iii. Panchayat Union Middle School, Nolambur – 1.33 km, SE – 34 Lakhs		
	iv. Govt. Arts College for Men at Pudukottai District.	80	
	Total Cost Allocation	180	

RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended grant of environmental clearance for the proposed expansion activity subject to all the conditions stipulated in the EC issued vide Lr. No. Letter No. SEIAA-TN/F.No.9673/EC/8(a)/963/2023 dated: 28.07.2023 in addition to following conditions


Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.


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2. The proponent shall obtain Inundation certificate issued by WRD-TN before obtaining CTE from TNPCB.
3. The proponent shall obtain permanent water commitment letter from CMWSSB/TWAD Board/Local body to get water supply for domestic purpose and to discharge the excess treated wastewater before obtaining CTE from TNPCB.
4. The proponent shall provide Permeable Pavements.
5. The Proponent shall provide Solar panels in the roof with a minimum coverage of 50%.
6. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
7. 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. 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.
8. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
9. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
10. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.



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11. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
12. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
13. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF Lko/Director of Environment and other concerning authority regularly.
14. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
15. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
16. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.


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Annexure II

Standard Environmental Clearance Conditions prescribed by MoEF&CC for Construction Projects.

1. Statutory Compliance:

1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
3. 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.
4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
6. The project proponent shall obtain the necessary permission for drawing of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department and Civil Aviation


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Department shall be obtained, as applicable, by project proponents from the respective competent authorities.

9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.

10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

2. Air quality monitoring and preservation:

1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.

2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.

3. The project proponent shall install a system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM10 and PM25) covering upwind and downwind directions during the construction period.

4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

5. Sand, murrum, loose soil, cement, stored on site should be covered adequately so as to prevent dust pollution.

6. Wet jet shall be provided for grinding and stone cutting.


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7. Unpaved surfaces and loose soil should be adequately sprinkled with water to suppress dust.
8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
9. The diesel generator sets to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
11. For indoor air quality the ventilation provisions as per National Building Code of India.

3. Water Quality Monitoring and Preservation:


1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.
2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3. Total freshwater use shall not exceed the proposed requirement as provided in the project details.
4. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).

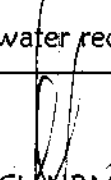

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5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
6. At least 20% of the open spaces as required by the local building byelaws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rainwater harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rainwater harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total freshwater requirement


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- shall be provided. In areas where ground water recharging is not feasible, the rainwater should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharges should be limited to shallow aquifer.
 14. No ground water shall be used during construction phase of the project.
 15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
 16. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).
 17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed into municipal drain.
 18. No sewage or untreated effluent water would be discharged through storm water drains.
 19. Onsite sewage treatment of capacity of treating 100% wastewater to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated wastewater shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
 20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be taken to mitigate the odor problem from STP.

21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

4. Noise Monitoring and Prevention:

1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
2. Noise level survey shall be carried out as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of Half Yearly Compliance Report (HYCR).
3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

5. Energy Conservation Measures:

1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2. Outdoor and common area lighting shall be LED.
3. The proponent shall provide solar panels covering a minimum of 50% of terrace area as committed.
4. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting


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design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

5. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
6. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building byelaws requirement, whichever is higher.
7. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building byelaws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

6. Waste Management:

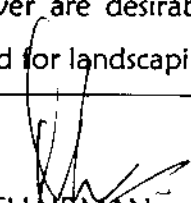
1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.


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5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
 6. Any hazardous waste generated during construction phase shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
 7. Use of environmentally friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.
 8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September 1999 and amended from time to time. Ready mixed concrete must be used in building construction.
 9. Any wastes from construction and demolition activities related thereto shall be managed to strictly conform to the Construction and Demolition Rules, 2016.
 10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
- 7. Green Cover:**
1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
 2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.


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3. Where the trees need to be cut with prior permission from the concerned local authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
5. A wide range of indigenous plant species should be planted as given in the Appendix-I, in consultation with the Government Forest/Horticulture Departments and State Agriculture University.

8. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
2. Vehicles hired to bring construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms


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radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

9. Human Health Issues:

1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis.
6. A First Aid Room shall be provided in the project both during construction and operations of the project.

10. Corporate Environment Responsibility:

1. The PP shall complete the CER activities, as committed, before obtaining CTE.


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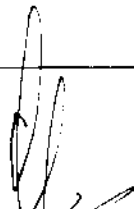

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2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of Half Yearly Compliance Report (HYCR).
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Half Yearly Compliance Report (HYCR).

11. Miscellaneous:

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in Tamil language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.


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3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit Half Yearly Compliance Reports (HYCR) on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The project proponent shall inform the Authority (SEIAA) of the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also during their presentation to the State Expert Appraisal Committee.
9. No further expansion or modifications to the plant shall be carried out without prior approval of the Authority (SEIAA).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Authority (SEIAA) may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Authority reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.


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13. The Regional Office of the MoEF&CC Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.



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Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	விவம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சள், ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaapai	வாபை
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	கட்டிமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax caba</i>	Ilavu, Sevvilavu	இலை
12	<i>Calophyllum inophyllum</i>	Punnai	புனை
13	<i>Cassia fistula</i>	Sarakondrai	சரகொண்டரை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொண்டரை
15	<i>Chloroxylon swietenia</i>	Purasamaram	புரச மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjailavu	கொங்கு, மஞ்சள் இலை
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூலி
18	<i>Creteos adanoni</i>	Mavalangum	மாவலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உவா
21	<i>Diospyro ebenum</i>	Karungali	கருங்காளி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kallichi	கல் இச்சி
24	<i>Hibiscus tiliaceus</i>	Aatrupoovarasu	ஆற்றாப்புவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயில் மரம், ஆயிலி
27	<i>Lannea coromandelica</i>	Odhiyam	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கெட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பின்பட்டை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	U'lakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nura	நுரை
37	<i>Morinda citrifolia</i>	Vellai Nura	வெள்ளை நுரை
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	பங்கம்

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40	<i>Premna mollissima</i>	Munnai	முன்னை
41	<i>Premna serratifolia</i>	Narumunnai	நறு முன்னை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூஞ்சு
43	<i>Prosopis cinerea</i>	Vanni maram	வாணி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வேனிசுமங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjiva roxburghii</i>	Karipala	கரிபலா
48	<i>Salvadora persica</i>	Ugaa Maram	அகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிபுங்கன் சோபுகாய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Strobilus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	யெட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேர்தாங் 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	சந்தாநா வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூஞ்சு
59	<i>Walsuratrifoliata</i>	valsura	வால்சுரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்பூளி

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