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सत्यमेव जयते

THIRU A.V. VENKATACHALAM,I.F.S
MEMBER SECRETARY

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
3rd Floor, Panagal Maaligai,
No.1 Jeenis Road, Saidapet,
Chennai-15.
Phone No.044-24359973
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ENVIRONMENTAL CLEARANCE (EC)

Letter No. SEIAA/TN/F.No. 6411/2017 /EC/ 8(a)/585/2018 dated:2706.2018.

To,

M/s. Mahindra Integrated Township Limited,
Administrative Block, Central Avenue
Mahindra World City, Natham Sub(PO)
Chengalpattu,Kancheepuram-603002

Sir,

Sub: SEIAA, TN - Environmental Clearance - proposed construction of Multi-Storied Residential Building by M/s. Mahindra Integrated Township Limited, at S.F. No.142/1A,142/1B,142/2A1,142/2A2,142/2B,142/3A1, 142/3A2, 142/3B1,142/3B2,143(P),144/1(P),144/2(P),144/3(P),144/4(P),145/1,145/2A,145/2B,145/2C,147/1,147/2(P),147/3(P),148/1,148/2,149(P),150/1,150/2,150/3, 151/1(P),151/2,151/3,151/4(P),151/5(P),151/6(P),152/1(P),152/2(P),153,154/1(P),154/2(P),154/3(P),154/4(P),155/1(P),155/2(P),160(P),Paranur Village, Chengalpet Taluk, Kanchipuram District, Tamil Nadu- Category – "B2" and Schedule S. No. 8(a) - Issued – Regarding.

Ref:
1. Your Application dated: 02.06.2017.
2. Lr.No. SEIAA-TN/F.No. 6411/2017 dated: 15.06.2017 & 19.08.2017
3. Your reply dated: 21.09.2017
5. Lr.No. SEIAA-TN/F.No. 6411/2017 dated: 25.09.2017
6. Minutes of the 95th SEAC meeting held on 05.10.2017, 06.10.2017 & 07.10.2017
7. Lr.No.SEIAA-TN/F.No.6411/2017 dated: 10.10.2017
8. Minutes of the 97th SEAC Meeting held on 17.11.2017
9. Lr.No.SEIAA-TN/F.No.6411/2017 dated: 20.11.2017
10. Your reply dated: 25.11.2017&07.12.2017
11. Lr.No.SEIAA-TN/F.No.6411/2017 dated: 27.02.2018

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12. Your reply dated: 12.03.2018
13. Minutes of the 105th SEAC Meeting held on 23.03.2018
14. Your reply dated: 06.04.2018
15. Lr.No.SEIAA-TN/F.No.6411/2017 dated: 30.04.2018
16. Your reply dated: 15.05.2018, 23.05.2018 & 05.06.2018
17. Minutes of the 113th SEAC Meeting held on 05.06.2018
19. Lr.No.SEIAA-TN/F.No.6411/2017 dated: 18.06.2018
20. Your reply dated: 20.06.2018
21. Minutes of the 321st SEIAA Meeting held on 25.06.2018
22. Lr.No.SEIAA-TN/F.No.6411/2017 dated: 25.06.2018
23. Your reply dated: 26.06.2018
24. Minutes of the 322nd SEIAA Meeting held on 27.06.2018

This has reference to your application 1st cited, the proposal is for obtaining Environmental Clearance to establish a building and construction project under Category B2 and Schedule S.No. 8(a) under the Environment Impact Assessment Notification, 2006, as amended. The Competent Authority and Authorized signatory furnished detailed information in Form 1 and Form 1A and liquidate enclosures are as Annexures:

Annexure 1

PROJECT DETAILS		
SL No	**Description**	**Details**
1)	Name of the Project proponent and address	M/s. Mahindra Integrated Township Limited, Administrative Block, Central Avenue Mahindra World City, Natham Sub(PO) Chengalpattu,Kancheepuram-603002
2)	Proposed Activity	Proposed Construction of Multistoried Residential Building
3)	Schedule No.	8(a)
4)	**Project Location**	
	i)Survey No	S.F.No.142/1A, 142/1B, 142/2A1, 142/2A2, 142/2B, 142/3A1, 142/3A2, 142/3B1, 142/3B2, 143(P), 144/1(P), 144/2(P), 144/3(P), 144/4(P), 145/1, 145/2A, 145/2B, 145/2C, 147/1, 147/2(P), 147/3(P), 148/1, 148/2, 149(P), 150/1, 150/2, 150/3, 151/1(P), 151/2, 151/3, 151/4(P), 151/5(P), 151/6(P), 152/1(P), 152/2(P), 153, 154/1(P), 154/2(P), 154/3(P), 154/4(P), 155/1(P), 155/2(P),160(P) Paranur Village,
	ii)Revenue Village	

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	iii)Taluk	Chengalpet
	iv)District	Kancheepuram
5)	Area of the Land	37757.17 sq.m
6)	Built up Area	105377.2 Sq.m
7)	Brief description of the project	It is proposed to construct a Residential Building comprising of 9 Blocks- A to I(with combined Stilt floor + 14 floor each)with 747 dwelling units, club house block & services block
8)	Expected Occupancies	4109 no.s
9)	Parking facilities	19582.0 Sq.m
10)	Green Belt	5665 sq.m
11)	**UTILITIES-WATER**	
	Total Fresh Water Requirements	352 KLD
	a)Source from where the water is proposed to be drawn	Mahindra World City
	i)Domestic Purposes ii) Swimming pool	347 KLD 5 KLD
	iii) Toilet Flushing(Recycled Water)	174 KLD
	iv) Green belt development/gardening (Recycled Water)	20 KLD
12)	Waste Water	
	i)Sewage	486 KLD
	ii) Details of Treatment	STP capacity: 9MLD
	iii) Mode of Disposal with	Treated Sewage: Toilet Flushing - 174 KLD,

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	quantity	Greenbelt development - 20 KLD Excess treated sewage will be used for watering the existing green cover in MWC
13)	**SOLID WASTE**	
	I) Municipal solid Waste	1.942 Tonnes/day
	i) Bio degradable – 1.165 Tonnes/day	Will be treated in Bio-CNG plant to generate CNG fuel and the byproduct generated is used as organic fertilizer
	ii) Non Bio degradable – 0.777 Tonnes/day	Disposed to Authorized Recyclers
	iii) STP Sludge – 49Kg/day	Used as manure for Greenbelt development.
14)	**POWER REQUIREMENT**	
	i) Electricity Board	6688 KVA
	ii) D.G. Set	630 KVA-1 no.,2 Nos. of 500 KVA, Stack height of 4m above the GL
	iii) Height of Stack above the tallest Building	
15)	Project Cost	Rs. 387.79 Crores
16)	EMP Cost	Rs.316 lakhs

Annexure 2- Affidavit

The Proponent has furnished affidavit in Fifty Rupees stamp paper attested by the Notary stating that

I, Mr P Vijayan Janardhanan, VP - Operations, represent M/s. Mahindra Integrated township limited having its office at Administrative Block Central Avenue, Mahindra World City, Natham Sub(PO), Chengalpat, Kacheepuram - 603002. We have proposed to Construct a residential apartment at S. No. 142/1A, 142/1B, 142/2A1, 142/2A2, 142/2B, 142/3A1, 142/3A2, 142/3B1, 142/3B2, 143 (Part), 144/1 (Part), 144/2 (Part), 144/3 (Part), 144/4 (Part), 145/1, 145/2A, 145/2B, 145/2C, 147/1, 147/2 (Part), 147/3 (Part), 148/1, 148/2, 149 (Part), 150/1, 150/2, 150/3, 151/1 (Part), 151/2, 151/3, 151/4 (Part), 151/5 (Part), 151/6 (Part), 152/1 (Part), 152/2 (Part), 153, 154/1 (Part), 154/2 (Part), 154/3 (Part), 154/4 (Part), 155/1 (Part), 155/2 (Part), 160 (Part) of Paranur village, Chengapattu taluk, Kancheepuram district. An application submitted by us seeking Environmental Clearance under the EIA Notification, 2006 is under scrutiny in the Authority. I am furnishing the following undertaking to the Authority.

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We commit to SEIAA that the total fresh water requirement for our residential development is 347 KLD and it will be met through M/s Mahindra World City. We assure that the required permission from the competent Authority for supply of fresh water for entire period of operation will be obtained before handing over of the before obtaining completion certificate from the competent authority, whichever is earlier.

The Total quantity of waste water generated from the above development after expansion is 486 KLD which will be disposed to Mahindra World City Central Sewage treatment plant. The treated wastewater generated is 462 KLD and 174 KLD will be used for flushing and 20 KLD will be used for green belt development(The treated water used for greenbelt development inside the project premises will not pollute the soil/ground water/adjacent canals/lakes/ponds etc) and 268 KLD will be used for the green cover development in the Mahindra World City. We assure that the required permission from the competent Authority for disposal of waste water for entire period of operation will be obtained before handing over of the before obtaining completion certificate from the competent authority, whichever is earlier.

Total Solid waste generated from the proposed development is 1942 kg/day; Out of which 1165 kg/day of compostable waste will be treated in Bio-CNG plant to generate CNG fuel and the byproduct generated is used as organic fertilizer. 777 kg/day of recyclable waste will be sold to authorized recyclers.

The detailed work plan for CSR activity with the budget is listed below

S. No.	CSR Activity	Capital cost Allocation (in Lakhs)	Duration of CSR implementation
1	Establishment of state of art knowledge centre at Government Girls High School, Provision of basic amenities such as safe drinking water, Hygienic Toilets facilities,	15	I year
2	Individual stand alone solar lighting panel inside the school premises 7 Numbers	10	IInd of construction
3	Providing portable gen sets to the School	10	1- 3 year
4	Maintenance and desilting of Kolavai lake	15	During construction
Total Cost Allocation		50	

Capital cost allocated is Rs.29 lakhs and Rs 2 lakhs will be allotted as maintenance cost or recurring cost which is 0.5% of total project cost.

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The enclosed photograph of the site of the project has been attested by me, counter-signed by the Environment Consultant engaged for the project under appraisal and notarized by an approved Notary Public. It truly depicts the status of the site as on this day.

Further we assure that proposed site does not encroach nearby water bodies/reserve forest/wetlands.

I am aware that I can be prosecuted under relevant Act and Rules, if I am not ensuring the adherence of the above commitment.

Commitment signed by me as an Authorized signatory of the Project Proponent before the SEIAA, Tamilnadu..

The project activity is covered in 8(a) of the Schedule and is of B2 category. It does not require Public Consultation as per Para 7 III Stage (3) (i) (d) of EIA Notification, 2006.

The Authority after consideration all the requisite documents with status and data and based on SEAC appraisal and recommendations for issue of Environmental Clearance in its 113th meeting held on 05.06.2018 vide item No. 113- , SEIAA placed the proposal in the 322nd SEIAA meeting held on 27.06.2018 vide Item No:322– , hereby conveyed Environmental Clearance along with the conditions containing four parts namely

Part - A –Common conditions applicable for Pre-construction, Construction and Operational Phases

Part - B –Specific Conditions – Pre construction phase

Part - C - Specific Conditions – Construction phase

Part – D - Specific Conditions – Operational Phase/Post constructional Phase / Entire life of the project.

Validity:

The SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 as amended, with validity for Seven years from the date of issue of EC, subject to the compliance of the terms and conditions stipulated below:

SPECIFIC CONDITIONS

The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.

Part - A – Common conditions applicable for Pre-construction, Construction and Operational Phases:

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1. **Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.**
2. The construction of STP, Solid Waste Management facility, E-waste management facility, DG sets, etc., should be made in the earmarked area only. In any case, the location of these utilities should not be changed later on.
3. The Environmental safeguards contained in the application of the proponent /mentioned during the presentation before the State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee should be implemented in the letter and spirit.
4. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.
5. The SEIAA reserves the right to add additional safeguard measures subsequently, if non-compliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.
6. A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.
7. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company. The status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chennai by e-mail.
8. The Regional Office of the Ministry located at Chennai 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.

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9. "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.
10. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
11. The conditions will 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, the Public Liability Insurance Act, 1991, along with their amendments ,draft Minor Mineral Conservation & Development Rules , 2010 framed under MMDR Act 1957,National Commission for protection of Child Right Rules ,2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law, including the Hon'ble National Green Tribunal relating to the subject matter.
12. The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.
13. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
14. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.
15. The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.

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16. The Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance.
17. The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection, even during the subsequent period.
18. The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
19. Where the trees need to be cut, compensation plantation in the ratio of 1:10 (i.e. planting of 10 trees for every one tree that is cut) should be done with the obligation to continue maintenance.
20. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization and the shortfall shall be strictly reviewed and addressed.
21. The EMP cost of Rs. 316 Lakhs shall be deposited in a Nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.

Part - B – Specific Conditions – Pre construction phase:

1. The project authorities should advertise with basic details at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance. The press releases also mention that a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN. The copy of the press release should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA-TN.
2. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
3. A copy of the clearance letter shall be sent by the proponent to the Local Body. The clearance letter shall also be put on the website of the Proponent.

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4. The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightning etc before commencement of the work.
5. All required sanitary and hygienic measures for the workers should be in place before starting construction activities and they have to be maintained throughout the construction phase.
6. Design of buildings should be in conformity with the Seismic Zone Classifications.
7. The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.
8. No construction activity of any kind shall be taken up in the OSR area.
9. Consent of the local body concerned should be obtained for using the treated sewage in the OSR area for gardening purpose. The quality of treated sewage shall satisfy the bathing quality prescribed by the CPCB.
10. The height and coverage of the constructions shall be in accordance with the existing FSI/FAR norms as per Coastal Regulation Zone Notification, 2011.
11. The basement of the building shall be above the maximum flood level documented by the Water Resource Department, PWD, Government of Tamil Nadu in consultation with the DTCP.
12. The proponent shall prepare completion plans showing Separate pipelines marked with different colours with the following details
    i. Location of STP, compost system, underground sewer line.
    ii. Pipe Line conveying the treated effluent for green belt development.
    iii. Pipe Line conveying the treated effluent for toilet flushing
    iv. Water supply pipeline
    v. Gas supply pipe line, if proposed
    vi. Telephone cable
    vii. Power cable
    viii. Strom water drains, and

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ix. Rain water harvesting system, etc.,. and it shall be made available to the owners

13. A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.
14. The structural design of the proposed building must be vetted by premier academic institutions like Anna University, IIT Madras, etc., and the fact shall be informed to SEIAA.
15. There shall not be any threat to the biodiversity due to the proposed development.
16. The present land use surrounding the project site shall not be disturbed at any point of time.
17. The green belt area shall be planted with indigenous native trees.
18. Natural vegetation listed particularly the trees shall not be removed during the construction/operation phase. In case any trees are likely to be disturbed, shall be replanted.
19. During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.
20. The Provisions of Forest conservation Act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated.
21. There should be Fire fighting plan and all required safety plan.
22. Regular fire drills should be held to create awareness among owners/ residents.
23. The proponent has to ensure the arrangement for alternate source of water supply through TWAD Board.
22. The construction activity in no way should impact the ecology of the Kolavai lake which is already polluted. Mahindra Integrated Township Limited is already the largest stake holder of this lake.
23. Under CER activity, the proponent should co-ordinate with other industries for restoration of Kolavai Lake particularly its catchment areas in consultation with Forest Department, PWD, Tamil Nadu Wetland Authority, local Panchayat and other departments concerned.

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24. A detailed bio-diversity inventory has to be taken up in the project site and Tirutheri Reserve Forest and prior approval obtained from Forest Department before commencement of the work.
25. The MIT Limited should play an active role in providing funding support by organizing other industries as consortia for restoration of Kolavai Lake, as the industries are the main beneficiaries.
26. The proponent should develop a master plan in consultation with all the department for sustainable management of Kolavai Eri on decadal programme.
27. Annually funds should be earmarked for eco-awareness programme by MIT Limited on the lake and all the local school, institutions involved in Kolavai lake conservation.
28. The proponent's commitment for Kolavai Eri management should increase manifold. They should periodically send report to SEIAA-TN, TNPCB, Forest Department & PWD on improvement initiated in comparison to baseline data available. The action taken report to support water and forest conservation should be posted to SEIAA, TNPCB, Tamil Nadu Forest Department & PWD.
29. The project proponent should establish a mini weather station in consultation with concerned authorities to monitor the changes in temperature, rain fall or other parameters and support climate change initiatives of the forest department. Before commencement of the work, the weather station should be established.
30. The project should have more than 20% of the area under urban tree cover with native species. All roads within should be covered under indigenous trees. They should report the fact to the Forest Department, Chengalpet division on this initiative and keep SEIAA informed.
31. In consultation with the Forest Department, they should involve in restoration of degraded forest in the area and contribute to forest conservation.
32. The project should provide additional 2000 sq.m as outdoor play area within MIT Limited.
33. Storm water collected from the paved area shall be collected and reused during normal rains.

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34. Primary sludge from STP shall be treated in a biological system or utilized for bio methanization plant.

Part - C - Specific Conditions – Construction phase:

1. **Construction Schedule:**
   i) The Project proponent shall have to furnish the probable date of commissioning of the project supported with necessary bar charts to SEIAA-TN.

2. **Labour Welfare:**
   i) All the labourers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.
   ii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contradictions due to exposure to dust and take corrective measures, if needed.
   iii) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. The workers shall be provided with personnel protective measures such as masks, gloves, boots etc.

3. **Water Supply:**
   i) The entire water requirement during construction phase may be met from ground water source from the source with approval of the PWD Department of water resources/ may be out sourced.
   ii) Provision shall be made for the housing labour within the site with all necessary infrastructures and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing

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may be in the form of temporary structures to be removed after the completion of the project.

iii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The treatment and disposal of waste water shall be through dispersion trench after treatment through septic tank. The MSW generated shall be disposed through Local Body and the identified dumpsite only.

iv) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices prevalent.

v) Fixtures for showers, toilet flushing and drinking water should be of low flow type by adopting the use of aerators / pressure reducing devises / sensor based control.

4. Solid Waste Management:

i) The solid waste in the form of excavated earth excluding the top soil generated from the project activity shall be scientifically utilized for construction of approach roads and peripheral roads, as reported.

ii) In the solid waste management plan, the STP sludge management plan for direct use as manure for gardens is not acceptable; it must be co-composted with biodegradables.

iii) House hold hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM rules 2016.

5. Top Soil Management:

i) All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.

6. Construction Debris disposal:

i) Disposal of construction debris during construction phase should not create any adverse effect on the neighboring communities and be disposed off only in approved sites, with the approval of Competent Authority with necessary

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precautions for general safety and health aspects of the people. The construction and demolition waste shall be managed as per Construction & Demolition Waste Management Rules, 2016.

ii) Construction spoils, including bituminous materials and other hazardous materials, must not be allowed to contaminate watercourses. The dump sites for such materials must be secured so that they should not leach into the adjacent land/ lake/ stream etc.

7. Diesel Generator sets:

i) Low Sulphur Diesel shall be used for operating diesel generator sets to be used during construction phase. The air and noise emission shall conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.

ii) The diesel required for operating stand by DG sets shall be stored in underground tanks fulfilling the safety norms and if required, clearance from Chief Controller of Explosives shall be taken.

iii) The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower,etc.

8. Air & Noise Pollution Control:

i) Vehicles hired for bringing construction materials to the site should be in good condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB. The vehicles should be operated only during non-peak hours.

ii) Ambient air and noise levels should conform to residential standards prescribed by the TNPCB, both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during the construction phase. The pollution abatement measures shall be strictly implemented.

iii) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. Parking shall be fully internalized and no public space should be utilized. Parking plan to be as per CMDA norms.

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The traffic department shall be consulted and any cost effective traffic regulative facility shall be met before commissioning.

iv) The buildings should have adequate distance between them to allow free movement of fresh air and passage of natural light, air and ventilation.

9. Building material:

i) Fly-ash blocks should be used as building material in the construction as per the provision of Fly ash Notification of September, 1999 and amended as on 27th August, 2003 and Notification No. S.O. 2807 (E) dated: 03.11.2009.

ii) Ready-mix concrete shall alone be used in building construction and necessary cube-tests should be conducted to ascertain their quality.

iii) Use of glass shall be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, high quality double glass with special reflecting coating shall be used in windows.

10. Storm Water Drainage:

i) Storm water management around the site and on site shall be established by following the guidelines laid down by the storm water manual.

11. Energy Conservation Measures:

i) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfill the requirement.

ii) Opaque wall should meet prescribed requirement as per Energy Conservation Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material to fulfill the requirement.

iii) All norms of Energy Conservation Building Code (ECBC) and National Building Code, 2005 as energy conservation have to be adopted Solar lights shall be provided for illumination of common areas.

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iv) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting. A hybrids system or fully solar system for a portion of the apartments shall be provided.

v) A report on the energy conservation measures conforming to energy conservation norms prescribed by the Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology; R & U factors etc and submitted to the SEIAA in three month's time.

vi) Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.

12. Fire Safety:

i) Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.

ii) Proper and free approach road for fire-fighting vehicles upto the buildings and for rescue operations in the event of emergency shall be made.

13. Green Belt Development:

i) The Project Proponent shall plant tree species with large potential for carbon capture in the proposed green belt area based on the recommendation of the Forest department well before the project is completed.

14. Sewage Treatment Plant:

i) The Sewage Treatment Plant (STP) installed should be certified by an independent expert/ reputed Academic institutions for its adequacy and a report in this regard should be submitted to the SEIAA, TN before the project is commissioned for operation. Explore the less power consuming systems viz baffle reactor, etc., for the treatment of sewage.

ii) The Proponent shall install STP as furnished. Any alteration to satisfy the bathing quality shall be informed to SEIAA-TN.

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15. Rain Water Harvesting:

i) The proponent/ Owner of the Flats shall ensure that roof rain water collected from the covered roof of the buildings, etc shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.

ii) Rain water harvesting for surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease, etc. The Proponent shall provide adequate number of bore wells / percolation pits/ etc. as committed. The bore wells / percolation pits/ etc. for rainwater recharging should be kept at least 5 mts. above the highest ground water table.

iii) The project activity should not cause any disturbance & deterioration of the local bio diversity.

iv) The project activity should not impact the water bodies. A detailed inventory of the water bodies and forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.

v) All the assessed flora & fauna should be conserved and protected.

16. Building Safety:

i) Lightning arrester shall be properly designed and installed at top of the building and where ever is necessary.

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Part – D - Specific Conditions – Operational Phase/Post constructional phase/Entire life of the project:

1. There should be Fire fighting plan and all required safety plan.
2. Regular fire drills should be held to create awareness among owners/ residents.
3. House hold hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM rules 2016.
4. The building should not spoil the green views and aesthetics of surroundings and should provide enough clean air space.
5. The EMP cost shall be printed in the Brochure / Pamphlet for the preparation of the sale of the property and should also mention the component involved.
6. The Project proponent shall get due permission from the wetland Authority before the commencement of the work, if applicable.
7. The Project proponent should discuss with the wet land Authority, Tamil Nadu Forest Department, PWD and support lake restoration cum improvement, awareness and conservation programs.
8. The project activities should in no way disturb the manmade structures
9. The Proponent shall do afforestation/ restoration programme contemplated to strengthen the open spaces shall preferably include native species along with the financial forecast for planting and maintenance for 5 years.
10. "Consent to Operate" should be obtained from the Tamil Nadu pollution Control Board before the start of the operation of the project and copy shall be submitted to the SEIAA-TN.
11. The ground water shall be drawn only after obtaining necessary permission from the Competent Authority.
12. Ground water quality to be checked for portability and if necessary RO plant shall be provided.
13. The Proponent should be responsible for the maintenance of common facilities including greening, rain water harvesting, sewage treatment and disposal, solid waste

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disposal and environmental monitoring including terrace gardening for a period of 3 years. Within one year after handing over the flats to all allottees a viable society or an association among the allottees shall be formed to take responsibility of continuous maintenance of all facilities with required agreements for compliance of all conditions furnished in Environment Clearance (EC) order issued by the SEIAA-TN or the Proponent himself shall maintain all the above facilities for the entire period. The copy of MOU between the buyers Association and proponent shall be communicated to SEIAA-TN.

14. The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.
15. Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. The treated sewage shall conform to the norms and standards for bathing quality laid down by CPCB irrespective of any use. Necessary measures should be made to mitigate the odour and mosquito problem from STP.
16. The Proponent shall operate STP continuously by providing stand by DG set in case of power failure.
17. It is the sole responsibility of the proponent that the treated sewage water disposed for green belt development/ avenue plantation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc
18. Adequate measures should be taken to prevent odour emanating from solid waste processing plant and STP.
19. The e - waste generated should be collected and disposed to a nearby authorized e-waste centre as per E- waste (Management & Handling), Rules 2016 as amended.
20. Diesel power generating sets proposed as source of back-up power during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets.
21. The noise level shall be maintained as per MoEF/CPCB/TNPCB guidelines/norms both during day and night time.

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22. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed as per the Hazardous & other Wastes (Management & Transboundary Movement) Rules 2016. Spent oil from D.G sets should be disposed off through registered recyclers.
23. The proponent is required to provide a house hold hazardous waste / E-waste collection and disposal mechanism.
24. The proponent/ Owner of the Flats shall ensure that storm water drain provided at the project site shall be maintained without choking or without causing stagnation and should also ensure that the storm water shall be properly disposed off in the natural drainage / channels without disrupting the adjacent public. Adequate harvesting of the storm water should also be ensured.
25. 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.
26. The proponent shall remit balance amount of Rs.47.48 lakhs(for the four previous ECs) to the District Collector, Kancheepuram before obtaining CTE from TNPCB.
27. For the present project, the amount of Rs. 193.5 lakhs (0.5 % of the project cost) should be spent towards CER Activities in consultation with District Collector, Kancheepuram before obtaining CTO from TNPCB.
28. A copy of the Environmental clearance (EC) letter shall be made available to all the allottees along with the allotment order / sale deed.
29. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

MEMBER SECRETARY
SEIAA-TN

Copy to:

1. The Principal Secretary to Government, Environment & Forests Dept,

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
27 JUN 2018
SAIDAPET, CHENNAI-15

Govt. of Tamil Nadu, Fort St. George, Chennai - 9.

2. The Chairman, Central Pollution Control Board, PariveshBhavan,
CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110032.

3. The Member Secretary, Tamil Nadu Pollution Control Board,
76, Mount Salai, Guindy, Chennai-600 032.

4. The APCCF (C), Regional Office, Ministry of Environment & Forest (SZ),
34, HEPC Building, 1st& 2nd Floor, Cathedral Garden Road, Nungampakkam, Chennai - 34.

5. Monitoring Cell, I A Division, Ministry of Environment & Forests,
ParyavaranBhavan, CGO Complex, New Delhi 110003.

6. The Commissioner, Kattankulathur Panchayat Union, Kancheepuram District

7. Stock File.

SEIAA
TN

THE LANDLENS SUITE

Eight ways to know a piece of land before you pay for it.

This report covers one part of the picture. These cover the rest, drawn from the same government records, for any property in Tamil Nadu.

LandLens One
Ask anything about a property and get an answer grounded in live government records, with the sources shown.
/landlens/one

Verify My Land
Every record check run on one property and returned as a single report.
/landlens/verify-my-land

Legal Opinion
An advocate's written opinion on the title, built on the records we pull for it.
/landlens

One Map
Every layer on one map: the parcel, its boundary, zoning, water bodies and what sits around it.
/landlens/one/map

PriceMap
What land actually changed hands for around this plot, taken from the registered deeds.
/landlens/pricemap

Build Scope
What you are allowed to build here: floor space, height, coverage and setbacks.
/landlens/build-scope

Property Tracker
Watch a property and hear about it when something new is registered against it.
/landlens/property-tracker

Deal Room
Run the transaction in one place: documents, stamping, signatures and the parties.
/landlens/deal-room

FREE TOOLS · NO ACCOUNT NEEDED

Twenty-four checks you can run yourself, at no cost.

Records and verification

The registers themselves, read for you.

- Encumbrance Certificate
- Patta and Chitta
- Field Measurement Sketch
- EC Analyzer
- Bank charge check
- Court case search
- Seller background check
- Approval check by survey

Value and duty

What it is worth and what it costs to register.

- Guideline value by street
- Guideline value by survey
- Stamp duty and registration fees
- Capital gains
- Floor space index
- Area unit converter

Zoning and land use

What the plan says can happen on this land.

- Land use zone finder
- CMDA land use check
- Coastal regulation zone
- Master plan check
- Water bodies finder
- Airport height clearance

Registers and directories

Who holds it, and which office keeps the record.

- Find your registering office
- Temple property check
- Waqf property check
- RERA register

Every free tool
/tools

Services we run for you
/services

The LandLens suite
/landlens/one

Verified RealEstate™

Every claim in this document traces back to a government record.

- Legal opinions, due diligence and title verification
- Building plan, layout and sub-division approvals
- Completion and occupancy certificates, regularisation
- Escrow, negotiation and NRI property management
- Land survey, soil testing, architecture and construction

Verified RealEstate
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+91 9996 12 9996

Prepared from the registers named on the page each finding sits on. Where a register could not be read, this document says so in its place rather than leaving the gap to be read as a clean result.