



सत्यमेव जयते

**Dr.JAYANTHLM, 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

Fax No. 044-24359975

**ENVIRONMENTAL CLEARANCE (EC)**

**Letter No. SEIAA/TN/F. 5535/EC/ 8(a)/628/2018 dated: 31.12.2018.**

To

M/s. Globus Arima Builders LLP  
Globus Towers, 128,  
Race Course Road,  
Coimbatore – 641018

Sir,

Sub: SEIAA, TN - Environmental Clearance - Proposed Construction of Residential Development by M/s. Globus Arima Builders LLP in Survey No 334/2, 3, 4, 335/2, 336/1 to 6A - T.S. No. 38 PT in Krishnarayapuram Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu, Kanchipuram District - Issued - Regarding.

- Ref:
1. Your application for Environmental Clearance dated: 13.07.2016
  2. Lr.No.SEIAA/TN/F.No.5535/2016 Dated 26.07.2016
  3. Proponent reply dated 16.09.2016
  4. Lr.No.SEIAA/TN/F.No.5535/2016 Dated 03.07.2017
  5. Lr.No.SEIAA/TN/F.No.5535/2016 Dated 07.08.2017
  6. Lr.No.SEIAA/TN/F.No.5535/2016 Dated 30.09.2017
  7. Lr.No.SEIAA/TN/F.No.5535/2016 Dated 12.12.2017
  8. Lr.No.SEIAA/TN/F.No.5535/2016 Dated 17.01.2018
  9. Proponent reply dated: 04.07.2018



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10. Minutes of the 116th SEAC meeting held on 09.07.2018
11. Proponent reply dated 01.08.2018
12. Minutes of the 331<sup>st</sup> SEIAA meeting held on 09.08.2018
13. Proponent reply dated 10.08.2018
14. Minutes of the 333<sup>rd</sup> SEIAA meeting held on 29.11.2018
15. Lr.No.SEIAA-TN/F.No.5535/2016 dated 08.12.2018
16. Proponent reply dated 17.12.2018
17. Minutes of the 335<sup>th</sup> SEIAA meeting held on 31.12.2018

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This has reference to your application 1<sup>st</sup> cited, the proposal is for obtaining Environmental Clearance to establish a 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**

<b>PROJECT DETAILS</b>		
<b>SL No</b>	<b>Description</b>	<b>Details</b>
1)	Name of the Project proponent and address	M/s. GlobusArima Builders LLP. Globus Towers, 128, Race Course Road, Coimbatore – 641018
2)	Proposed Activity	Proposed Construction of Residential Development
3)	Schedule No.	8(a)
4)	<b>Project Location</b>	
	i)Survey No	Survey No 334/2, 3, 4, 335/2, 336/1 to 6A - T.S.No. 38 PT
	ii)Revenue Village	Krishnarayapuram
	iii)Taluk	Coimbatore North Taluk



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	iv) District	Coimbatore
5)	Area of the Land	18292.69 Sq.m
6)	Built up Area	83098.11 Sq.m
7)	Brief description of the project	Proposed Residential development consisting of 6 blocks with a combined Triple Basement - Block A, B, C each with G+12 floors, Block D with S+9 floors, Block E-EWS with S+11 floors) and Club house with G+3 floors
8)	Expected Occupancies	1804 Nos
9)	Parking facilities	29853.2 Sq.m
10)	Green Belt	2743.76 sq.m
11)	<b>UTILITIES-WATER</b>	
	Total Fresh Water Requirements	155 KLD
	a) Source from where the water is proposed to be drawn	Coimbatore Corporation
	i) Domestic Purposes	150 KLD
	ii) Swimming Pool	5 KLD
	iii) Toilet Flushing (Recycled Water)	79 KLD
	iv) Green belt development/gardening (Recycled Water)	10 KLD
	v) OSR (Recycled Water)	6 KLD
12)	Waste Water	
	i) Sewage	214 KLD
	ii) Details of Treatment	STP capacity: 230 KLD
	iii) Mode of Disposal with quantity	Treated Sewage: Toilet Flushing - 79 KLD, Greenbelt development - 10 KLD OSR Gardening- 6 KLD Excess treated water to Coimbatore Corporation Sewer line - 108 KLD



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13)	<b>SOLID WASTE</b>	
	I) Municipal solid Waste	861 Kg/day
	i) Bio degradable – 517 Kg /day	Organic Waste Converter
	ii) Non Bio degradable – 344 Kg /day	Disposed to Authorized Recyclers
	iii) STP Sludge – 21 Kg/ day	Manure for gardening
14)	<b>POWER REQUIREMENT</b>	
	i) Electricity Board	2000 KVA
	ii) D.G. Set	1 no. of 300 KVA, 1 no. of 350 KVA
	iii) Height of Stack above the tallest Building	40m has been proposed for both 300 KVA & 350 KVA
15)	Project Cost	Rs. 94.92 Crores
16)	EMP Cost	For Construction: Operation cost- 50.7 Lakhs For Operation Phase: Capital Cost – 100 Lakhs, Operation cost- 50.64 Lakhs

**Annexure 2- Affidavit**

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

1. We commit to SEIAA that the total fresh water requirement for our proposed residential development is 155 KLD and it will be met through Coimbatore Corporation. 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 flats/individual houses or before obtaining completion certificate from the competent authority, whichever is earlier.
2. The Total quantity of wastewater generated from the above residential complex is 214 KLD which will be treated in the STP of capacity 230 KLD. The treated wastewater generated is 203 KLD, out of which 79 KLD will be used for flushing, 10 KLD will be utilized for gardening, 6 KLD will be utilized for OSR maintenance and remaining 108 KLD of treated sewage water will be disposed to Coimbatore Corporation sewer line. The required permission from the competent authority will



  
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- be obtained before handing over of the flats or before obtaining completion certificate from the competent authority, whichever is earlier.
3. Total Solid waste generated from the proposed development is 882 kg/day; Out of which 517 kg/day of biodegradable waste will be treated in organic waste convertor within the project site and used as manure for the green belt development. 344 kg/day of Non biodegradable waste will be sold to recyclers. STP sludge of 21 kg/day will be used as Manure for greenbelt development.
  4. The enclosed photograph of the site of the project has been attested by proponent, 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.
  5. We assure we are liable for the operation and maintenance of STP for 10 years from the date of operation of the project
  6. We also assure that the storm water drain would not carry any untreated (or) treated sewage.

And also aware that I can be prosecuted under relevant act and rules, if am not ensuring the adherence of the above commitment.

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 116<sup>th</sup> meeting held on 09.07.2018, SEIAA placed the proposal in the 335<sup>th</sup> SEIAA meeting held on 31.12.2018, 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 th



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**Validity:**

The SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> 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:

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:**

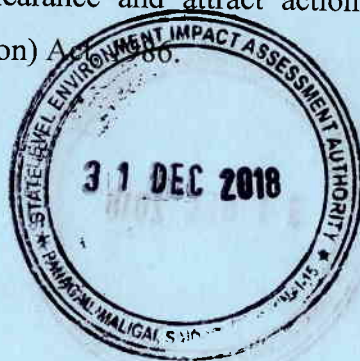
1. Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
2. The construction of STP, Solid Waste Management facility, E-waste management facility, 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.



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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 31<sup>st</sup> 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.
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.



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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&CC, 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 project proponent shall submit progress reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment, Forests and Climate Change, its Regional Office Chennai, the respective Zonal Office of Central Pollution Control Board, SEIAA, TN and the State Pollution Control Board once in six months.
16. 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.
17. 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.
18. 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.
19. 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.
20. The Plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management and Handling) Rules 2016.



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21. 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.
22. The EMP cost of Rs. 100Lakhs 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.
23. The proponent has informed that the source of water supply is Coimbatore Corporation. Hence, the proponent has to get necessary permission from Coimbatore Corporation before obtaining CTO from TNPCB.
24. The proponent has informed that the excess treated sewage of 108 KLD will be discharged into the Coimbatore Corporation sewer. Hence, the proponent has to get necessary permission from Coimbatore Corporation before obtaining CTO from TNPCB.
25. The project proponent has to furnish the certificate stating that the proposed site had not encroached any water body (rivers, canals, lakes, ponds, tanks, etc) shall be obtained from the competent authority before issue of CTE.
26. The Sangalur stream is located 150m SW from the proposed site. Treated/untreated sewage should not be discharged into the Sangalur stream. Similarly, Sangalur stream should not be polluted with municipal solid waste generated from the project.
27. Solar energy saving shall be increased to atleast 5% of total energy utilization.
28. Towards green belt, the project proponent has allotted 2743.76sq.m, which is adequate. Green belt shall be planted with 230 numbers of indigenous species.

The following species shall be planted.

Pongamia glabra	Pungan
Thespesia populnea	Poovarasu
Ficus religiosa	Arasu
Azadirachta indica	Vembu
Terminalia arjuna	Neermarudhu



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Calophyllum inophyllum	Punnai
Syzygium cumini	Naval
Madhuca longifolia	Ilippai
Mimusops elengi	Magilam

29. For CER: The project proponent shall allocate and utilize the CER fund of Rs. 50 Lakhs totally as committed. For this the proponent has identified Corporation Middle School, P N Palayam for the purpose of infrastructure facilities including basic amenities like drinking water supply and sanitation, sports facilities (Rs. 45 Lakhs) & construction of toilets for public purpose to Coimbatore Corporation (Rs. 5 Lakhs) as committed
30. The proponent shall operate the Sewage treatment plant efficiently and continuously.
31. The proponent shall develop the green belt as per the plan furnished and area earmarked for the greenbelt shall not be alter at any point of time for any other purpose.
32. The proponent should strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC.2) Department dated 25.06.2018 regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.
33. The project proponent has to furnish the Inundation certificate shall be obtained from the PWD before obtaining CTE from TNPCB.

**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, Forests and Climate Change, located at Chennai and SEIAA-TN.



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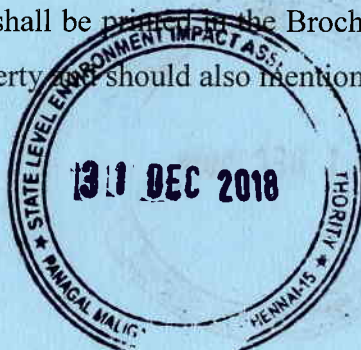


2. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
3. A copy of the clearance letter shall be sent by the proponent to the Local Body. The clearance letter shall also be put on the website of the Proponent.
4. The 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 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



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- viii. Storm water drains, and
  - ix. Rain water harvesting system., etc.,. and it shall be made available to the owners
12. A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.
  13. There shall not be any threat to the biodiversity due to the proposed development.
  14. The present land use surrounding the project site shall not be disturbed at any point of time.
  15. The existing land use shall not be altered due to the proposed project and shall be consistent with the surroundings.
  16. The green belt area shall be planted with indigenous native trees.
  17. 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.
  18. During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.
  19. The construction activities of the proposed site adhere to all environmental and ecological standards and safeguards.
  20. The sewage should be disinfected and coliform bacteria will be one of the parameters to be monitored. The proponent should ensure zero level of coliforms in the treated sewage.
  21. The excess storm run-off from the project area is proposed to be discharged into the external storm water drain. No treated / untreated sewage should be discharged through this mechanism.
  22. The building construction shall not cause soil erosion and damages to natural resources and other properties.
  23. At any point of time, there shall not be any aesthetic impacts of the proposed construction activity, on the environment.
  24. The EMP cost shall be printed in the Brochure / Pamphlet for preparation of the sale of the property and should also mention the component involved.



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25. There should be proper Fire fighting plan, disaster management plan, and all required safety plan and occupants should be made aware of the plans.
26. Regular fire drills should be held to create awareness among owners/residents.
27. The building should not spoil the green views and aesthetics of surroundings and should provide enough clean air space.
28. The Project Proponent has to put up rain water harvesting storage facility of 150 KLD for to harvest and reuse in entire rain water during normal rains. Only when rains are resulting to flood the excess rain water recovered shall be disposed to recharge pits/wells and further excess shall alone be discharged into road side storm water rain.
29. The Proponent shall do afforestation / restoration programme contemplated to strengthen the open spaces and shall preferably include native species along with the financial forecast for planting and maintenance for 5 years.
30. Air quality of the operation phase considering the emission from the DG sets shall be done periodically and reported to SEIAA.
31. Specific DG set/back up power shall be allotted for the STP exclusively.
32. The proposed Building activity should not be impair the movement of migratory birds.
33. At any point of time, the proposed activity shall not cause any impact on the agriculture activities and effect agricultural productivity and livelihoods.
34. The building should be energy efficient, provide enough ventilation and adhere to sustainable building, green building norms and energy saving standards.
35. Building activity should not escalate local temperature rise and contribute to climate changes in the long run.
36. The construction activity shall not have shadow impact and related impacts on sunlight access, ventilation, wind movement etc.

**Part - C - Specific Conditions – Construction phase:**

**1. Construction Schedule:**

- i) The Project proponent shall have to furnish the probable date of commissioning of the supported with necessary bar charts to SEIAA-TN.



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**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 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.



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

**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 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 Environmental Assessment shall be taken.



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- 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. 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:**



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- 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.
- 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 up to 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



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recommendation of the Forest department well before the project is completed.

- ii) Towards green belt, the project proponent has allotted 2743.76sq.m, which is adequate. Green belt shall be planted with 230 numbers of indigenous species. The following species shall be planted.

Pongamia glabra	Pungan
Thespesia populnea	Poovarasu
Ficus religiosa	Arasu
Azadirachta indica	Vembu
Terminalia arjuna	Neermarudhu
Calophyllum inophyllum	Punnai
Syzygium cumini	Naval
Madhuca longifolia	Ilippai
Mimusops elengi	Magilam

#### 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.

#### 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 systems that 100% of the harvested water shall be reused.



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- 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 roof rain water collected and stored in the sumps should be adequately treated before water is put to any beneficial use.

**16. Building Safety:**

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

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

1. "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.
2. The Project Proponent shall ensure compliance of EC conditions related to Pre - construction and Construction phases before the facility is handed over for occupancy and shall report to SEIAA, verified by Regional Office, MoEF & CC, Chennai.
3. The necessary permission for the supply of fresh water shall be obtained from the competent Authority before obtaining CTO from TNPCB.
4. The necessary permission for the disposal of excess treated sewage shall be obtained from the competent Authority before obtaining CTO from TNPCB.
5. There shall be no drawal of Ground water.
6. Ground water quality to be checked for portability and if necessary RO plant shall be provided.



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7. The project proponent has to furnish the certificate stating that the proposed site had not encroached any water body (rivers, canals, lakes, ponds, tanks, etc) from its original boundary shall be obtained from the competent authority before obtaining CTE from TNPCB.
8. The project proponent has to furnish the flood NOC from the PWD to TNPCB before obtaining for CTE.
9. Solar energy saving shall be provided for atleast 6% of total energy utilization.
10. For CER: The project proponent shall allocate and utilize the CER fund of Rs. 50 Lakhs totally as committed. For this the proponent has identified Corporation Middle School, P N Palayam for the purpose of infrastructure facilities including basic amenities like drinking water supply and sanitation, sports facilities (Rs. 45 Lakhs) & construction of toilets for public purpose to Coimbatore Corporation (Rs. 5 Lakhs) as committed.
11. The EMP cost of Rs. 100 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.
12. The Project proponent shall get due permission from the wetland Authority before the commencement of the work, if applicable.
13. 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.
14. 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.
15. Raw water quality to be checked for portability and if necessary RO plant shall be provided.
16. The Proponent should be responsible for the maintenance of common facilities including greening, rain water harvesting, sewage treatment and disposal, solid waste 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 of the allottees shall be formed to take



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- 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.
17. The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.
  18. 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.
  19. The Proponent shall operate STP continuously by providing stand by DG set in case of power failure.
  20. 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
  21. Adequate measures should be taken to prevent odour emanating from solid waste processing plant and STP.
  22. The implementation of Environmental Management Plan in regard operation and maintenance of STP, reuse and disposal of untreated sewage and effluent swimming pool, Solid waste Management, and CSR Activities should be carried out, as proposed and committed. Regular monitoring should be carried out during construction and operation phases.
  23. It is proposed to use organic waste convertor for managing the municipal solid waste (Organic components). Care should be taken to operate and maintain the OWC such a way that there is no problem to the nearby residents.
  24. The Municipal solid waste generated shall be collected, segregated and disposed as per Solid Waste Management Rules, 2016.
  25. The chemicals used for swimming pool shall be stored in a separate closed shed and the spillages shall be disposed scientifically.



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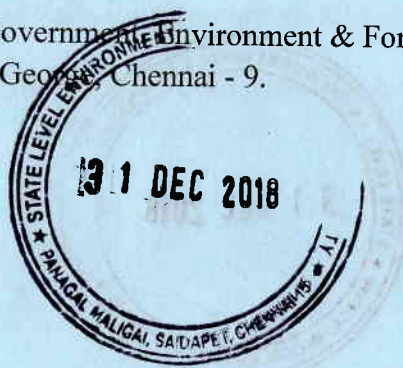
26. The e - waste generated should be collected and disposed to a nearby authorized e-waste centre as per E- waste (Management & Handling), Rules 2016.
27. Diesel power generating sets proposed as source of back-up power during operation phase should be of enclosed type and conform to rules made under 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.
28. The noise level shall be maintained as per MoEF/CPCB/TNPCB guidelines/norms both during day and night time.
29. 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.
30. 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.
31. 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.
32. A copy of the Environmental clearance (EC) letter shall be made available to all the allottees along with the allotment order / sale deed.
33. 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.

*S. Ar*  
**MEMBER SECRETARY**  
**SEIAA-TN**

*31/12/18*

**Copy to:**

1. The Principal Secretary to Government, Environment & Forests Dept,  
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, 1<sup>st</sup>& 2<sup>nd</sup> 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, Coimbatore Corporation, Coimbatore
7. Stock File



**SEIAA**  
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