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सत्यमेव जयते

File No: 11476

Government of India

Ministry of Environment, Forest and Climate Change

(Issued by the State Environment Impact Assessment Authority(SEIAA), TAMIL NADU)

***

Dated **08/01/2025**

To,

Thiru.Kamal Kumar Kataria
DRA SMART City LLP
New Door No's. 109, 111 & 113 (Old Door No's. 76/1, 77 & 78), Lloyds Road (Avvai Shanmugam Salai), Royapettah, Chennai - 600014. , Chennai, CHENNAI, TAMIL NADU, 600014
kamal.t@drahomes.in

Subject: Grant of EC under the provision of the EIA Notification 2006-as amended regarding.

Sir/Madam,

SEIAA, TN – Proposed Construction of High Rise Residential Building Development at Survey No. 14/2C1B (Part), 14/3A2A (Part), 14/3B1B1 & 14/3B2B of Egattur Village, Thiruporur Taluk, Chengalpattu District, Tamil Nadu by M/s, DRA Smart City LLP – under Category "B2" and Schedule S.No. 8(a) "Building and Construction Projects"– Issue of Environmental Clearance – Regarding.

Ref:

1. SIA/TN/INFRA2/506390/2024 Dated 20.11.2024.
2. Application seeking Environmental Clearance dated 21.11.2024.
3. Minutes of the 520th Meeting of SEAC held on 19.12.2024.
4. Minutes of the 784th Meeting of SEIAA held on 31.12.2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C3801TN5358551N
(ii) File No.	11476
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	8(a) Building / Construction
(vii) Name of Project	Proposed Construction of High Rise Residential Building Development
(viii) Name of Company/Organization	DRA SMART City LLP
(ix) Location of Project (District, State)	CHENGALPATTU, TAMIL NADU
(x) Issuing Authority	SEIAA
(xii) Applicability of General Conditions	no

(xiii) Applicability of Specific Conditions no

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-2(Part A and B) EMP were submitted to the SEIAA-TN for an appraisal by the SEAC under the provision of EIA notification 2006 and its subsequent amendments.

4. The above-mentioned proposal has been considered by (SEIAA) in the meeting held on 31/12/2024.The minutes of the meeting and all the documents submitted are available on PARIVESH portal which can be accessed by scanning the QR Code above.

5. The SEAC, based on the information viz: Form-2(Part A and B) EMP report etc., & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and compliance thereto furnished by the Project Proponent, recommended the by the SEAC for grant of Environment Clearance under the provision of EIA Notification,2006 and as amended thereof subject to compliance of Specific and Standard EC conditions as given in this letter.

6. The SEIAA, has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the State Expert Appraisal Committee hereby accords Environment Clearance to the instant proposal of M/s. Harris & Menuk Chemicals Private Limited under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific and Standard EC conditions as given in Annexure (1)

7. The Ministry/SEIAA-TN reserves the right to stipulate additional conditions, if found necessary.The EC to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is **M/s, DRA Smart City LLP** under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

8. The Project Proponent is under obligation to implement commitments made in the Environment Management Plan which forms part of this EC.

9. The PP is under obligation to implement commitments made in the Environment Management Plan, which form part of this EC. Validity of EC is for a period of 7 years from the date of issue of EC. In case the project proponent fails to complete the construction/proposed activities within the EC validity date, application for EC validity extension shall be submitted to the regulatory authority as per the provision contained in the Para 9.0 of EIA notification, 2006 and its amendment

10. **Salient features of the proposal are as follows:**

Category of Project	8(a) – Building and Construction projects
Proposal Number	SIA/TN/INFRA2/506390/2024
Name of the Proponent	M/s. DRA Smart City LLP.
Name of the Consultant	Eco Services India Private Limited
Date of Application	Online: 20.11.2024 Offline: 21.11.2024
Estimated Project Cost (Rs. in crore)	199.86
Green Building Norm Committed	IGBC Gold

PROJECT SUMMARY

Sl. No.	Description	Total Quantity		Unit
		GENERAL		
1.	Plot Area	10,808.99		SQMT
2.	Latitude & Longitude of all Corners of the Site	**Point No**	**Latitude**	**Longitude**
		1.	12°49'53.49"N	80°13'46.31"E
		2.	12°49'53.74"N	80°13'48.69"E
		3.	12°49'54.43"N	80°13'48.58"E
		4.	12°49'54.96"N	0°13'54.09"E

	5.	12°49'53.50"N	80°13'54.17"E
	6.	12°49'51.72"N	80°13'53.99"E
	7.	12°49'51.62"N	80°13'52.18"E
	8.	12°49'53.06"N	80°13'51.99"E
	9.	12°49'52.66"N	80°13'46.59"E

3.	Proposed Built Up Area	63,147	SQMT
4.	Total no of Saleable DU's/Villas	276	No.
5.	Max Height - (Height of tallest block)	60	M
6.	No of Building Blocks (Residential + Community facilities)	Single Block (High Rise Residential Block)	
7.	Max No of Floors	19 Floors	No.
8.	Expected Population (Residential + Floating)	Total – 1,920 Residential – 1,746 Maintenance Staff & Visitor - 174	Nos.
9.	Total Cost of Project	199.86	Cr
10.	EMP	Construction Phase: Capital Expense - 85 Lakhs Operation Expense – 48 Lakhs Operation Phase: Capital Expense - 342 Lakhs Operation Expense – 72 Lakhs	Lakhs
11.	CER	199.86 Lakhs (1% of the project cost)	
12.	Project Activity:	Proposed Construction of HighRise Residential Building Development	
		AREA	
13.	Permissible Ground Coverage Area (%)	5,404.50 (50%)	SQMT
14.	Proposed Ground Coverage Area (%)	3,556 (33%)	SQMT
15.	Permissible FSI Area	52,693.82 (4.875)	SQMT
16.	Proposed FSI Area	52,686.93 (4.8744)	SQMT
17.	Other Non FSI Areas - including basement area, parking area etc.,	10,460.07	SQMT
18.	OSR Area	1080.89	SQMT
19.	Proposed Total Built Up Area	63,147	SQMT
		WATER	
		Construction Phase	
20.	Water Requirement	60	KLD
21.	Source	Private Tankers	
22.	Mode of Disposal	Temporary Septic Tank and Temporary Soak pit arrangements	
		Operation Phase	
23.	**Total Water Requirement**	251	KLD
	i. Fresh water requirement	163	KLD
	ii. Treated recycled water requirement	88	KLD
24.	**Fresh water requirement**	163	KLD
	i. Domestic	161	KLD
	ii. Swimming Pool	2	KLD
25.	Wastewater Generation	240	KLD
26.	Treated Water Generation	235	KLD
27.	**Utilization of Treated Water**	82	KLD
	i. Flushing use	6	KLD
	ii. Greenbelt		
28.	Surplus treated water & Disposal method	147 KLD of excess treated water will be discharged through private tankers and given to	KLD

		Muttukaddu Panchayat for irrigation to avenue plantation.	
29.	**Source for Fresh Water Requirement**	The President, Muttukaddu Panchayat, Thiruporur Panchayat Union.	
	TREATMENT & DISPOSAL SYSTEM		
30.	Proposed Capacity of STP	250	KLD
	RAINWATER HARVESTING		
31.	Rainwater Harvesting - Recharge Pits	14	No.
32.	Rainwater Harvesting Sump Capacity	80	M^3
	PARKING & TRAFFIC MANAGEMENT		
33.	Total Parking Required as / Building Bye Laws	Total No of Car Parking Required: 272	ECS
34.	Proposed Total Parking	Total No of Car Parking Provided: 355	ECS
35.	Parking in Basements & Stilt	Total No of Parking in Basement: 154 Total No of Parking in Stilt: 127 Total No of Parking in Surface parking area; 74	ECS
36.	Width of Adjacent Public Road	42	m
37.	Number of Entry and Exit provided on approach road	Entry – 1 Exit - 1	Nos.
	GREEN AREA		
38.	Proposed Green Area (Minimum 15.0% of plot area)	1,603 (15% of total plot area)	SQMT
	Total area	10,808.99	SQMT
	Existing trees on plot	22	Nos.
	Number of trees to be planted	135	Nos.
	Number of trees to be transplanted/cut	12	Nos.
	WASTE MANAGEMENT **Waste Generation**		
39.	**Total Waste Generation**	1.124	TPD
40.	**Solid Waste**	0.660	TPD
	i. Biodegradable waste (Organic)	0.440	TPD
	ii. Non - Biodegradable		
41.	Quantity of Sludge Generated from STP & Disposal	24 kg/day sludge will be generated from the proposed STP and it will be dewatered and processed in OWC and converted into manure.	KG/DAY
42.	Quantity of E-Waste Generation Disposal	&1.7 TPA E-waste will be generated and it will be stored and handed over to authorized recyclers / dismantlers.	TPA
43.	Quantity of Hazardous waste Generation & Disposal	0.5 TPA of Used / Spent oil from the DG sets will be generated and it will be stored in the MS drums and handed over to TNPCB authorized recyclers.	TPA
	Mode of Treatment & Disposal		
44.	Organic waste	Treated in Organic Waste converter and used as manure for gardening	
45.	Sludge Generated from STP	Dewatered and processed in OWC and converted into manure.	
46.	E-Waste	Handed over to authorized recyclers / dismantlers	
47.	Hazardous waste	Used / Spent oil will be handed over to TNPCB authorized recyclers.	
	POWER REQUIREMENT		
48.	Total Power Requirement	2.95	MW
49.	DG set backup	2 Nos. of 380 KVA DG Sets	KVA
50.	DG Sets:	2 Nos. of 380 KVA DG Sets	Nos.

	No. and capacity of the DG sets: Fuel and its Quantity:	Low Sulphur Diesel – 31 Litres/hour @ full load	
51.	Solar Panels – Roof Coverage	50	%
52.	Hot Water Requirement	Provided	
	Of which met by Solar Panels	50	%
53.	EV Charging Details	EV charging port will be provided at the Basement and Stilt floor parking area	

POPULATION

54.	Residential	DU'S	**Population/ Dwelling Unit**	**Total Population**
55.	Total Saleable Dwelling units	276	1,746	1,746
56.	Total	-	-	-
57.	Non Residential	-	-	-
58.	CLUB house (Employees etc.)	Area	-	-
59.	Club	-	-	-
60.	Commercial	-	-	-
61.	Facility Management Staff	-	-	-
62.	Total	-	-	-
63.	Visitors	-	-	-
64.	Total Visitors	-	7% of total population	122
65.	Maintenance Staff	-	3% of total population	52
66.	Total Population	-	-	1,920

CER Activity

67.

Beneficiary	**Type of CER Activity**	**Budgetary Allocation (Rs. In Lakhs)**
Panchayat Union Primary School, Egattur	Installation of Solar Panels & Smart Boards CWSN Friendly Computers and Application Development of Sports Ground & Providing Sports Kits Benches & Desks for students and staffs Construction of new toilet facility & reconstruction of old toilet facility	25.00
Panchayat Union Middle School, Egattur	Installation of Solar Panels & Smart Boards CWSN Friendly Computers and Application Development of Sports Ground & Providing Sports Kits Benches & Desks for students and staffs	25.00
Egattur Village Panchayat	Undertaking of Water Body Restoration & Beautification works (Located Eastern side of the project site) in consultation with Local Body, Egattur	49.86
Chief Wildlife Warden, Guindy, Chennai	Fund towards the Vallanadu Blackbuck Sanctuary	100
	Total	**199.86**

11. **General Instructions:**

(i)The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of SEIAA website where it is displayed.

(ii)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.

(iii)The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing 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.

(iv)Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

(v)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.

The Regional Office of this SEIAA 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.

(vi)Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

3. This issue with an approval of the Competent Authority. For information on deliberations, refer to the minutes of SEAC and SEIAA available in the PARIVESH Portal.

Copy To

1. The Secretary, Ministry of Environment Forest & Climate Change, Government of India, Shastri Bhawan, New Delhi.
2. The Additional Chief Secretary to Government, Environment and Forests Department, Tamil Nadu.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
4. The Chairman, TNPC Board,76, Mount Salai, Guindy, Chennai-32
5. EI Division, Ministry of Environment & Forests, Paryavaran Bhawan, New Delhi.
6. Integrated Regional Office of MoEF&CC, Sasthri Bhawan, Nungambakkam, Chennai.
7. File Copy.

Annexure 1

Specific EC Conditions for (Building / Construction)

1. Seac Conditions - Site Specific

S. No	EC Conditions
1.1	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 PP shall produce/purchase green energy to meet minimum 50% of its power consumption. PP shall achieve Net Zero by the year 2030. 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. As agreed by the project proponent, the CER cost is **Rs.199.86 lakhs** and the amount shall be spent for the following activities as committed within a period of **1 year** from the date of issue of EC.

S. No	EC Conditions

Beneficiary	Type of CER Activity	Budgetary Allocation (Rs. In Lakhs)
Panchayat Union Primary School, Egattur	Installation of Solar Panels & Smart Boards CWSN Friendly Computers and Application Development of Sports Ground & Providing Sports Kits Benches & Desks for students and staffs Construction of new toilet facility & reconstruction of old toilet facility	25.00
Panchayat Union Middle School, Egattur	Installation of Solar Panels & Smart Boards CWSN Friendly Computers and Application Development of Sports Ground & Providing Sports Kits Benches & Desks for students and staffs	25.00
Egattur Village Panchayat	Undertaking of Water Body Restoration & Beautification works (Located Eastern side of the project site) in consultation with Local Body, Egattur	49.86
Chief Wildlife Warden, Guindy, Chennai	Fund towards the Vallanadu Blackbuck Sanctuary	100
	Total	**199.86**

6. 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.
7. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
8. The proponent should ensure that at least 20% of vehicles used for transporting workers to and from factory are e-vehicles.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

2. Seiaa Specific Conditions :

S. No	EC Conditions
2.1	i) The energy conservation and energy reduction measures should be followed. ii) The avenue plantation, building of parks with adequate benches should be done within the premises. iii) The existing natural vegetation and tress in the surrounding area should be protected and additional new trees should be planted. iv) The PP shall adopt strategies to reduce the increase in temperature.

S. No	EC Conditions
	v) The proponent shall adopt strategies to develop carbon-neutral or zero-carbon building. vi) The PP shall follow the Green Building norms and the seismic regulation measures. vii) The PP shall provide play area for the children before obtaining CTE. viii) The building plan & design should strictly adhere to LCA norms. ix) The building geometry, design & engineering should ensure congestion free atmosphere within and outside. x) The wind direction & the aerodynamics should not be disturbed because of the proposed building. xi) The building design should not impair the visibility. xii) There should be enough green space within and outside the building. xiii) The building design and engineering should not lead to oxygen starvation. xiv) Cool roofs should be provided to curtail heat absorption.

3. Seiaa Standard Conditions :

S. No	EC Conditions
3.1	**Climate Change** 1. The proponent shall adopt strategies to decarbonize the building, reduce carbon footprints and develop strategies for climate proofing and mitigation. 2. The proponent shall adopt strategies to reduce carbon & GHG emissions during operation (operational phase and building materials). 3. The proponent shall adopt methodology to control thermal environment and other shocks in the building. 4. The proponent shall adopt strategies to ensure the buildings in blocks are not trapping heat to become local urban heat islands. 5. The proponent shall ensure that the building does not create artificial wind tunnels creating cold water and uncomfortable living conditions resulting in health issues. 6. The activities should in no way cause emission and build-up Green House Gases. All actions to be eco-friendly and support sustainable management of the natural resources within and outside the campus premises. 7. The proponent shall ensure that the buildings does not cause any damage to water environment, air quality and should be carbon neutral building. **Health** 8. The proponent shall adopt strategies to maintain the health of the inhabitants within and in the vicinity. **Energy** 9. The proponent shall adopt strategies to reduce electricity demand and consumption. 10. The proponent shall provide provisions for automated energy efficiency. 11. The proponent shall provide provisions for controlled ventilation and lighting systems. 12. The proponent shall provide adequate capacity of DG set (standby) for the proposed STP so as to ensure continuous and efficient operation. **Regulatory Frameworks** 13. The proponent shall effectively implement and strictly adhere to the Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.

S. No	EC Conditions
	14. The proponent shall provide elevator as per rules CMDA/DTCP. **Database maintenance & audits** 15. The database record of environmental conditions of all the events from pre-construction, construction and post-construction should be maintained in digitized format. 16. The proponent should maintain environmental audits to measure and mitigate environmental concerns. **Biodiversity** 17. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species. 18. The proponent shall adopt sustainability criteria to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements. 19. The proponent shall ensure utmost safety for the existing biodiversity, trees, flora & fauna and the critically endangered species & endangered species shall not disturb under any circumstances. 20. The proponent shall develop building-friendly pest control strategies by using non chemical measures so as to control the pest population thereby not losing beneficial organisms. 21. The proponent shall adopt strategies to prevent birds getting hit by the high buildings. **Safety measures** 22. The proponent should develop an emergency response plan & safety evacuation plan (including disabled people) in addition to the disaster management plan. 23. All bio-safety standards, hygienic standards and safety norms of working staff to be strictly followed as stipulated in EIA/EMP. 24. The disaster management/disaster mitigation standards& fire safety standards as prescribed by competent authorities. 25. The proponent shall provide the emergency exit in the buildings. **Water/Sewage** 26. The proponent shall ensure that no untreated sewage is let outside the project site under any circumstances. Further, the treated water shall not be disposed off through any other means other than the permitted mode of disposal. 27. The proponent shall provide STP of adequate capacity as committed and shall continuously & efficiently operate STP so as to satisfy the treated sewage discharge standards prescribed by the TNPCB time to time. 28. The proponent shall periodically test the treated sewage the through TNPCB lab /NABL accredited laboratory and submit report to the TNPCB & IRO of MoEF&CC. 29. The proponent shall ensure that provision should be given for proper utilization of recycled water. 30. The project proponent shall adhere to storm water management plan as committed. **Parking** 31. The project proponent shall provide adequate parking space for visitors of all inmates including clean traffic plan as committed. **Solid waste Management** 32. The proponent shall ensure that no form of municipal solid waste shall be disposed outside the proposed project site at any time.

S. No	EC Conditions
	33. The proponent should strictly comply with, Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986. **EMP** 34. The proponent shall strictly adhere to the EIA/EMP report. 35. The proponent shall ensure that the green belt plan is implemented as indicated in EMP. Also, the proponent shall explore possibilities to provide sufficient grass lawns. **Others** 36. As per the 'Polluter Pay Principle', the proponent will be held responsible for any environmental damage caused due to the proposed activity including withdrawal of EC and stoppage of work. 37. The project proponent shall adhere to height of the buildings as committed.

Standard EC Conditions for (Building / Construction)

1. Statutory Compliance

S. No	EC Conditions
1.1	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.
1.2	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 lightening etc.
1.3	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
1.4	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.5	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.
1.6	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.
1.7	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
1.8	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016, shall be followed.

S. No	EC Conditions
1.9	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

S. No	EC Conditions
2.1	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.
2.2	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
2.3	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
2.4	Diesel power generating sets proposed as source of backup power 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. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
2.5	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, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
2.6	Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
2.7	Wet jet shall be provided for grinding and stone cutting.
2.8	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
2.9	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 Management Rules 2016.
2.10	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 emission standards.
2.11	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. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the

S. No	EC Conditions
	provisions of the Central Pollution Control Board (CPCB) norms.
2.12	For indoor air quality the ventilation provisions as per National Building Code of India.

3. Water Quality Monitoring And Preservation

S. No	EC Conditions
3.1	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 rain water.
3.2	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3.3	Total fresh water use shall not exceed the proposed requirement as provided in the project details.
3.4	The quantity of fresh water 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 six monthly Monitoring reports.
3.5	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.
3.6	At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
3.7	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.
3.8	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.
3.9	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
3.10	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
3.11	The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.

S. No	EC Conditions
3.12	A rain water 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 fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse.
3.13	All recharge should be limited to shallow aquifer.
3.14	No ground water shall be used during construction phase of the project.
3.15	The quantity of fresh water 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 six monthly Monitoring reports.
3.16	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, no treated water shall be disposed in to municipal drain.
3.17	No sewage or untreated effluent water would be discharged through storm water drains.
3.18	Onsite sewage treatment of capacity of treating 100% waste water 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 waste water 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.
3.19	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
3.20	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

4. Noise Monitoring And Prevention

S. No	EC Conditions
4.1	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.
4.2	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
4.3	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

S. No	EC Conditions
5.1	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.
5.2	Outdoor and common area lighting shall be LED.
5.3	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 design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
5.4	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. Waste Management

S. No	EC Conditions
6.1	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.
6.2	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.
6.3	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.
6.4	Organic waste compost/Vermiculture pit/Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
6.5	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6.6	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
6.7	Use of environment 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 environment friendly materials.
6.8	Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.

S. No	EC Conditions
6.9	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
6.10	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

S. No	EC Conditions
7.1	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).
7.2	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.
7.3	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.
7.4	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.

8. Transport

S. No	EC Conditions
8.1	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.
8.2	Vehicles hired for bringing 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.

9.

S. No	EC Conditions
9.1	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 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.

10. Human Health Issues

S. No	EC Conditions
10.1	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.
10.2	For indoor air quality the ventilation provisions as per National Building Code of India.
10.3	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
10.4	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.
10.5	Occupational health surveillance of the workers shall be done on a regular basis.
10.6	A First Aid Room shall be provided in the project both during construction and operations of the project.

11. Miscellaneous

S. No	EC Conditions
11.1	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
11.2	ii. 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 has to display the same for 30 days from the date of receipt.
11.3	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.

S. No	EC Conditions
11.4	The project proponent shall submit six-monthly reports 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.
11.5	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for 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 six-monthly report.
11.6	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 report to the head of the organization.
11.7	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 Six Monthly Compliance Report
11.8	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.
11.9	The project proponent shall inform the Regional Office as well as the Ministry, 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.
11.10	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
11.11	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the State Expert Appraisal Committee.
11.12	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC)/SEIAA-TN.
11.13	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.
11.14	The Ministry/SEIAA-TN may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
11.15	The Ministry/SEIAA-TN reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
11.16	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The

S. No	EC Conditions
	project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
11.17	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.
11.18	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

12. Specific Conditions

S. No	EC Conditions
12.1	Recommendations of mitigation measures from possible accident shall be implemented based on Risk Assessment studies conducted for worst case scenarios using latest techniques.

e-KYC CAF DSS e-Processing e-Payments e-Compliance PARIVESH Nature Protects if She is Protected CPC GREEN

AFFIDAVIT FURNHSED BY THE PROPONENT

M/s. DRA Smart City LLP, represented by its authorized signatory, Mr. Kamal Kumar Kataria, Authorised Signatory having registered office at New Door Nos. 109, 111 & 113 (Old Door Nos. 76/1, 77 & 78), Lloyds Road (Avvai Shanmugam Salai) Royapettah, Chennai – 600 014. We proposed to construct a High Rise Residential Building Development at Survey Nos. 14/2C1B (Part), 14/3A2A (Part), 14/3B1B1 & 14/3B2B of Egattur Village, Thiruporur Taluk and Chengalpattu District, Tamil Nadu. Our Application seeking Environmental Clearance is under scrutiny with State Environment Impact Assessment Authority (SEIAA). We are furnishing the following undertaking to the State Environment Impact Assessment Authority (SEIAA):

We commit to the SEIAA that the daily fresh water requirement (163 KLD) for domestic purpose (161 KLD) and for swimming pool top up (2 KLD) during the entire period of operation. The fresh water will be met from the MuttuKaddu Panchayat as mentioned in our application. We have submitted the fresh water supply and treated sewage disposal concurrence obtained from the President, Muttukaddu panchayat.

The waste water (240 KLD) generated from the project activity will be treated in the Sewage Treatment Plants (STP) of 250 KLD capacity. The treated water (235 KLD) from the project will be recycled for Toilet Flushing (82 KLD), Greenbelt Development & Landscaping (6 KLD) and Excess treated sewage (147 KLD) will be discharged through private tankers and given to Muttukaddu Panchayat for irrigation to avenue plantation.

The estimated solid waste generation from our project during operation is about 1,124 kg/day, in which Bio-degradable waste (660 kg/day) will be Treated in Organic Waste Converter and used as manure for green belt development. The Non-Biodegradable waste (440 kg/day) will be handed over to Authorized Recyclers/Vendors for scientific disposal and the STP sludge (24 kg/day) will be dewatered and processed in OWC and converted to manure for green belt development. The E- waste (1.7 T/annum) will be stored & handed over to Authorized Recyclers / dismantlers for disposal and the Hazardous Waste used / spent oil (0.5 T/Annum) will be handed over to TNPCB authorized recyclers. We shall dispose the solid waste as committed above without polluting the soil/ground water/adjacent canals/lakes/ponds etc.

We commit to the SEIAA that M/s. DRA Smart City LLP will be liable for operation and maintenance of Sewage Treatment Plants (STP) for 10 years from the date of operation of the project subject to approval of residential welfare association.

We commit to the SEIAA that our storm water drain will not carry any untreated (or) treated sewage generated from our project.

We have allotted budget for implementation of Environmental Management Plan (EMP) during Construction Phase & Operation Phase. The details of budgetary allocation are as follows:

Environmental Management Plan (EMP)	**Capital Expenses (Rs. in Lakhs)**	**Annual Operational Expenses (Rs. in Lakhs)**
Construction Phase	85	48
Operation Phase	342	72

We commit to SEIAA that 1 % of the project cost (i.e., 199.86 Lakhs) is earmarked for Corporate Environmental responsibility (CER) activities (in addition to the EMP activities proposed for the project) subject to the provisions of Office Memorandums dated 30.09.2020 & 25.02.2021. The CER funds will be utilized for the following beneficiaries and activities.

Beneficiary	**Type of CER Activity**	**Budgetary Allocation (Rs. In lakhs)**
Panchayat union Primary School, Egattur	Installation of Solar Panels & Smart Boards	25.00
	CWSN friendly Computers and Application	
	Development of Sports ground & providing sports kits	

	Benches & Desks for students and staffs	
	Construction of new toilet facility & reconstruction of old toilet facility	
Panchayat Union Middle School, Egattur	Installation of Solar Panels & Smart Boards	25.00
	CWSN friendly computers and application	
	Development of sports ground & providing sports kits	
	Benches & desks for students and staffs	
Egattur Village Panchayat	Undertaking of water body restoration & beautification works (located eastern side of the project site) in consultation with local body, Egattur	49.86
Chief Wildlife Warden, Guindy, Chennai	Fund towards the vallanadu blackbuck sanctuary	100
	Total	**199.86**

We commit to SEIAA that the enclosed photographs of the site were taken on 16th day of December 2024. This photograph has been attested by me. It truly depicts the status of the site as on 16th day of December 2024.

I am aware that I can be prosecuted under relevant Act and Rules, if I do not adhere to the above commitment.

Affidavit signed by me on 16th day of December 2024, as an Authorized signatory of the Project Proponent.

STANDARD CONDITIONS

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, ETP, 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.
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; PM_{10}, $PM_{2.5}$, SO_2, NO_x (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.

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 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.
22. The Project Proponent has to provide adequate rain water harvesting pits as committed s to recover and reuse the rain water during normal rains as reported.
23. The project activity should not cause any disturbance & deterioration of the local bio diversity.
24. 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.
25. All the assessed flora & fauna should be conserved and protected.
26. 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.
27. Necessary permission shall be obtained from the competent authority for the drawl / outsourcing of fresh water before obtaining consent from TNPCB.
28. The proponent shall appoint an Environmental Engineer with necessary qualification

for the operation and maintenance of STP (Sewage Treatment Plant) and GWTP (grey water Treatment Plant)

29. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.
30. All the mitigation measures committed by the proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
31. No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
32. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.
33. The safety measures proposed in the report should be strictly followed.

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.**
4. The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of firefighting 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 Project Proponent shall provide car parking exclusively for the visiting guest in the proposed residential apartments as per CMDA norms.
12. The project proponent shall ensure the entry of basement shall be above maximum flood level.
13. 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
    ix. Rain water harvesting system, etc. and it shall be made available to the owners
14. A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.
15. The present land use surrounding the project site shall not be disturbed at any point of time.
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 Provisions of Forest conservation Act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated.
20. There should be Firefighting plan and all required safety plan.

21. Regular fire drills should be held to create awareness among owners/ residents.

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 laborers 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 private tankers
   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.

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) 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.

ii) 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.

iii) Domestic solid wastes to be regularly collected in bins or waste handling receptacles and disposed as per the solid waste management rules 2016.

iv) No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.

v) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016 and subsequent amendment.

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 barrels 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. 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.

v) The project proponent should ensure that adequate Air Pollution Control measures shall be provided from buses and other vehicles, which will be entering the bus terminal. Further, water sprinkling system shall be provided and same shall be used at regular interval to control the dust emission within the project site.

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.

ii) Storm water management plan shall be obtained by engaging the services of Anna University/IIT.

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 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.

ii) The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along the boundary of the project site with at least 3 meter wide and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval.

iii) 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.

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.

iii) The project proponent shall operate and maintain the Sewage treatment Plant and Effluent treatment plant effectively to meet out the standards prescribed by the CPCB.

iv) The project proponent shall continuously operate and maintain the Sewage treatment plant and Effluent treatment plant to achieve the standards prescribed by the CPCB.

v) The project proponent has to ensure the complete recycling of treated Sewage &Effluent water after achieving the standards prescribed by the CPCB.

vi) The project proponent has to provide separate standby D.G set for the STP/GWTP for the continuous operation of the STP/GWTP in case of power failure.

15. Rain Water Harvesting:

i) The proponent 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.

iii) The Project Proponent has to provide adequate rain water harvesting pits as committed to recover and reuse the rain water during normal rains as reported.

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

16. Building Safety:

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. There should be Firefighting plan and all required safety plan.
2. Regular fire drills should be held to create awareness among owners/ residents.
3. 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. Solar energy saving shall be increased to atleast10% of total energy utilization.
6. The Project proponent has to spend the CER as committed in the affidavit. The above activity shall be carried out before obtaining CTO from TNPCB.
7. The EMP cost 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

8. 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.
9. The Project proponent shall get due permission from the wetland Authority before the commencement of the work, if applicable.
10. 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.
11. The project activities should in no way disturb the manmade structures.
12. 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.
13. "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.
14. Raw water quality to be checked for portability and if necessary RO plant shall be provided.
15. 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 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.
16. The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.
17. 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.
18. The Proponent shall operate STP continuously by providing stand by DG set in case of power failure.

19. 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
20. Adequate measures should be taken to prevent odour emanating from solid waste processing plant and STP.
21. 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.
22. 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.
23. The noise level shall be maintained as per MoEF/CPCB/TNPCB guidelines/norms both during day and night time.
24. 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.
25. The proponent is required to provide a house hold hazardous waste / E-waste collection and disposal mechanism.
26. The proponent 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.
27. 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.
28. 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.
29. The Environmental Clearance is issued based on the documents furnished by the project proponent. In case any documents found to be incorrect then the Member Secretary, SEIAA-TN may terminate the Environmental Clearance issued to the project will be deemed to be cancelled.

Validity unknown
Digitally Signed by : A R Rahul Nadh IAS
Member Secretary, SEIAA-TN
Date: 08/01/2025

TAMIL NADU FIRE AND RESCUE SERVICES DEPARTMENT

From	To
Thiru. Abhash Kumar, I.P.S., DGP / Director, Tamil Nadu Fire and Rescue Services, No.17, Rukmani Lakshmipathi Salai, Egmore, Chennai – 600 008.	The Director, Directorate of Town and Country Planning, CMDA Office Complex, E&C Market Road, Koyambedu, Chennai – 600 107.

R.Dis.No.3382/C1/2025 Dated:17.03.2025

PP NOC No.59/2025

Sir,

Sub : Tamil Nadu Fire and Rescue Services – Directorate – High Rise Building – Issue of Planning Permission NOC requested - Inspection at M/s. DRA SAMRT CITY LLP, S.F.No.14/2C1B1, 14/3A2A1, 14/3B1B1, 14/3B2B, Egattur Village, Muttukadu Panchayat, Thiruporur Taluk, Chengalpet District - Reg.

Ref : 1) The Online application Token No.263875, dated:22.02.2025.
2) The Deputy Director, North-Western Region, Report Rc.No.789/C/2025, Dated:10.03.2025.

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Kindly refer to the letter cited above. The MSB inspection committee of the North-Western Region has inspected the site of M/s. DRA SAMRT CITY LLP, S.F.No.14/2C1B1, 14/3A2A1, 14/3B1B1, 14/3B2B, Egattur Village, Muttukadu Panchayat, Thiruporur Taluk, Chengalpet District for which the PP NOC has been requested. The committee has made certain observations with regards to fire and life safety, which are reproduced below:-

Observation:-

It is an application for planning proposal for the construction of residential building block I consists of basement floor + stilt floor + 19 floors with the height of 60.00 mts. The plot area is 10522.84 sq. mts and the total builtup area is 60959.36 sq. mts. This building occupancy is comes under Group A Residential Building and the Sub-Division A-4 Apartment Houses as per the National Building Code of India, part IV Fire and Life safety-2016.

Rectification suggestions:

Well type staircases proposed should be modified into as Dogleg Model type staircases. Stairwell where a 'funnel or flue effect' may be created, inducing an upward spread of fire and smoke.

The following fire and life safety measures should be provided in the proposed residential building before the actual occupation as listed below:

1. One wet-riser should be provided every 1000 sq. mts area covering all floor area with landing valves along with delivery hoses. The riser should be fully charged with adequate pressure at all times and should have both automatic and manual operation. To feed the wet-riser system, sprinkler and yard hydrant system an underground static water tank of minimum capacity 150000 liters should be provided with refilling facilities A terrace level tank of capacity 10000 liters also should be provided. To charge the wet-riser, yard hydrant and sprinkler system with two electrical pumps of each capacity 2280 LPM should be provided near the underground water tank and an equal capacity of diesel pump should also be provided as an alternative arrangement and two electrical pumps of each capacity of 180 LPM should be provided as a jockey pump. Pumps should have the capacity of developing pressure of 3.5kg/cm.sq at terrace level at remotest location. One set of pumps shall be provided for each 100 hydrants or part thereof, with a maximum of two sets. In case of more than one pump set installation, both pump sets shall be interconnected at their delivery headers or Alternative to provide an additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one set of pumps.
2. Fire service inlets (4 Way) should be fitted with NRV at ground level.
3. Yard hydrant system should be provided all around the building at 30 meters interval.
4. Automatic sprinkler system should be provided for whole building.
5. Hose reel assembly should be provided per 1000 sq.mts covering each floor area.

6. Manually operated fire alarm call points should be provided in each floor near exits.
7. "Exit" signage should be provided with alternative source of power supply or battery back-up with "GLOW" TYPE.
8. Emergency lights should be provided at staircase landing and exit routes.
9. Public address system should be provided connecting all the floors.
10. Assembly point should be designated at ground floor.
11. Evacuation route plan should be displayed in all floors.
12. Alternate and independent power system should be provided to fire pumps, pressurization & smoke venting, exit signage lighting, emergency lighting, fire alarm system, public address system, magnetic door hold open devices and fire lift.
13. Number of exit, location and its width should be conforms to the requirement of NBC of India, Part 4, 2016.
14. As per the National Building Code of India 2016, two number of staircase should be provided with the minimum width of 1.25 meters and they should be away from each other.
15. Fire escape - internal staircase and external staircase:

    a. Internal staircases:

    As per clause 4.4.2.4.3 of the national building code of India part IV fire and life safety 2016 - All staircases shall be minimum width of 1.25 meters for residential blocks and 2.0 mts for club house and genius block. The minimum width of tread without nosing shall be 250mm. The maximum height riser shall be 190 mm. The number of riser shall be limited to 12 per flights.

    b. Fire exit:

    As per the National building code of India part IV fire and life safety 2016 - every exit, exit access or exit discharge shall be continuously maintained free of all obstructions or impediments to full use in the case of fire or other emergency. All exits shall provide continuous means of egress to the exterior open space leading to a street. Exits

shall be so arranged that they may be reached without passing through another occupied unit.

c. External staircases:

As per clause 4.4.2.4.3 of the National Building Code of India part IV fire and life safety 2016 - All external stairs shall be directly connected to the ground. External Staircases shall always be kept in sound and usable condition. Entrance to the external stairs shall be separate and remote from the internal staircase. Care shall be taken to ensure that no wall opening or window opens on to or close to an external stairs. The route to the external stairs shall be free of obstructions at all times. Handrails to be provided on both sides shall be of a height not less than 1000 mm and not exceeding 1200 mm. There shall be provision of balusters with maximum gap of 150 mm. The external stairs shall be constructed of non-combustible materials, and any doorway leading to it shall have the required fire resistance. No external staircases, used as a fire escape, shall be inclined at an angle greater than 45 degrees from the horizontal.

d. Fire lifts:

a) Where applicable, fire lifts shall be provided with a minimum capacity for 8 passengers and fully automated with emergency switch on ground level. In general, buildings 15m in height or above shall be provided with fire lifts.

b) In case of fire, only fireman shall operate the fire lifts. In normal course, it may be used by other persons.

c) Each fire lift shall be equipped with suitable inter-communications equipment for communicating with the control room on the ground floor of the buildings.

d) The number and location of fire lifts in a building shall be decided after taking into consideration various factors like building population, floor area, compartmentation, etc.,

16. One fire lift should be provided.

17. Lightning arrester should be provided.
18. Refuge area should be provided at 24th and every 15 meter level as per the requirements of NBC of India, Part 4, 2016 if balconies are not provided at each floor for each block.
19. The first aid firefighting equipment's should be provided at all floors for in accordance with the IS 2190:2010 requirements for each block.
20. Clear side set back of 12 meters should be provided all around the building without any obstructions so as to allow Fire service vehicle to move closer to the building at the time of emergency and it should be designed to withstand a weight of 65 tonns at any point of operation for the use of Hydraulic platform vehicle. The setback area slop gradient should not be elevated from the ground level. The entry, movement and exit of the setback should have no slope and should be hard paved and support the operation of the aerial ladder platform.

Setback Area: Setback area should be free of any obstruction, such as fountains, statutes, flower pots, decorative idols, ramp etc., to facilitate movement of vehicle and people during emergencies as per the Tamilnadu Combined development and building rules 2019 rule no.35(23). The side setbacks road should be starts from the periphery of the building line.

21. Basement

The basement shall have the following requirements:

a) The basement shall be in every part at least 2.4m in height from the floor to the underside of the roof slab or ceiling.
b) Adequate ventilation shall be provided for the basement. Each Basement shall be separately ventilated. Vents with cross-sectional area (aggregate) not less than 2.5 percent of the floor area spread evenly round the perimeter of the basement shall be provided in the form of grills, or breakable stall board lights or pavement lights or by way of shafts. Alternatively, a system of air inlets shall be provided at basement floor level land smoke outlets at basement ceiling level. Inlets and extracts may be terminated at ground level with stall board

or pavement lights as before, but ducts to convey fresh air to the basement floor level have to be laid. Stallboard and pavement lights should be in positions easily accessible to the fire brigade and clearly marked 'SMOKE OUTLET or 'AIR INLET' with an indication of area served at or near the opening.

c) Adequate arrangement shall be made such that surface drainage does not enter the basement.

d) The walls and floors of the basement shall be water-tight and be so designed that the effect of the surrounding soil and moisture, if any, are taken into account in design and adequate damp proofing treatment is given.

e) Applicant/owner of the building shall install suitable pumps for pumping the waste water into the sewer in place of directly connecting in to the sewer to avoid any risk of the sewerage or salvage heading back into the basement at any time.

f) The access to the basement shall be spate from the main and alternate staircase providing access and exit from higher floors. Where the staircase is continuous the same shall be enciosed type serving as a fire separation from the basement floor and higher floors.

g) Basement exits shall be sufficient to provide for the capacity of the basement and in no case shall be less than two independent basement exits.

h) Basements having incidental occupancies to main occupancy shall be planned with ext requirements of the basements for the actual occupancy within the basement.

i) Where basement is used for car parking and also there is direct approach from any occupancy above to the basement, door openings leading to the basement shall need to be protected with fire door with 120 min fire rating, except for exit discharge doors from the basements.

22. The basement should not be used for the following purpose:

a) The basement shall not be used for residential purpose.

b) No service duct shafts shall be extended in the basement level.
c) Basement should not be used for theatre, assembly halls, exhibition halls, club moms, gymnasiums and restaurants.
d) Kitchens, canteen, pantry or dining not allowed in the basement.
e) Should not be used for substation or oil transformer in the basement.
f) Basement should not be used for combustible material storage.
g) Any material which involve highly corrosive, toxic or noxious alkalis, acids or other liquids or chemicals producing flame, fumes, and explosive, poisonous irritant or corrosive gases.

23. Mechanical ventilation system shall be provided with an alternative source of power supply.
24. Electrical installation and wiring, ducts should meet the requirements of NBC of India, Part 4, 2016.
25. The width and height of any arch or gate, if any, should have the clearance of not less than 4.5m and 5m respectively.
26. The service ducts such as power cables, communication cables, ducts etc., should be protected with proper fire sealing/fire dampers.
27. The fire dampers should be located at air conditioned ducts for check the spread of heat, flame, smoke and gases.
28. The cable gallery should be routed through fire resistance duct or fire protected tray.
29. As per section 3.2 of BIS 12459, 1988 – code of practice for fire safety in cable regularization, 1m transparent fire retardant coatings shall be applied to all cables at termination points in electrical panels and all cables inside the distribution boxes.
30. Fire resistant and low smoke emission cable should be used.
31. A trained fire officer with a crew shall be arranged to maintain as well as to operate the fire protection systems in case of any need.
32. During construction of the building the following fire protection measures should be provided in good working condition.

a) Dry riser minimum 100 mm diameter pipe with hydrant outlets on the floors constructed with a fire service inlet to boost the water in the riser from fire service pumps.

b) Drums filled with water of 2000 liters capacity with two fire buckets on each floor.

c) A water storage tank of minimum 20000 liters capacity, which may be used for other construction purposes also.

The MSB inspection team has recommended to issue a planning permission / no objection certificate for the proposed building subject to the fulfillment of all the above mentioned conditions.

In view of compliance with the above said facts a PP NOC is issued from the fire service point of view to accord planning permission for the above said for the proposed building subject to fulfillment of all the above said conditions, as recommended by the MSB committee. After completion of this project the issue of fire licence should be obtained to ensure the fire safety measures.

17.3.22

for Director,
Fire and Rescue Services,
Tamil Nadu.

To:

M/s. DRA SAMRT CITY LLP,
S.F.No.14/2C1B1, 14/3A2A1, 14/3B1B1, 14/3B2B,
Egattur Village, Muttukadu Panchayat,
Thiruporur Taluk, Chengalpet District.

TAMILNADU FIRE AND RESCUE SERVICES
DIRECTORATE
CHENNAI-8

Copy to:

The Deputy Director, Fire and Rescue Services,
North-Western Region, Vellore.

M/s DRA Smart City LLP

Date: 06-02-2025

New Np 109,111 and 113, O;d Nos 76/1,77 and 78, Lyoyds Road, Avvai shanmugam

System Generated Auto Assessment for Height Clearance

1. Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order GSR 751 (E) dated 30th Sep. 2015 for Safe and Regular Aircraft Operations has assessed the site data filled by the applicant.

2. Assessment details for Height Clearance:

NOC ID :	**CHEN/SOUTH/B/012925/1525449**
Applicant Name*	**G Shiyamalann**
Site Address*	**Building Site located in Old Patta Survey No 14/2C1B(Part),14/3A2A(Part),14/3B1B1 and 14/3B2B, New Patta Survey No 14/2C1B2,14/2C1B3,14/2C1B4,14/2C1B5,14/2C1B6,14/3A2A2,14/2C1B1,14/3A2A1,14/3B1B1,14/3B2B, Egattur Village and at Rajiv Gandhi Salai(Old Mahabalipuram Road), Egattur, Chennai-603103**
Site Coordinates*	**12 49 53.37N 80 13 50.11E, 12 49 54.12N 80 13 50.11E, 12 49 53.46N 80 13 52.47E, 12 49 52.32N 80 13 52.49E, 12 49 53.78N 80 13 53.31E, 12 49 52.79N 80 13 53.34E, 12 49 52.79N 80 13 53.53E, 12 49 52.35N 80 13 53.54E, 12 49 53.79N 80 13 53.72E, 12 49 54.24N 80 13 53.72E**
Site Elevation in mtrs AMSL as submitted by Applicant*	**8.3 M**
Type Of Structure*	**Building**

*As provided by applicant

Your site is located at a distance 19145 mts from ARP and lies in the grid V15 of the published CCZM of Chennai airport. The Permitted top elevation for this grid is 156 mts.

Since the requested top elevation 75.3 mts in AMSL is below CCZM permitted top elevation, the NOC for height clearance is not required from Airports Authority of India.

3. This assessment is subject to the terms and conditions as given below:

a. The site-elevation and site coordinates provided by the applicant are taken for calculation of the permissible top elevation for the proposed structure. If however, at any stage it is established that the actual data is different from the one provided by the applicant, this assessment will become invalid.

b. The Site coordinates as provided by the applicant in the NOC application has been plotted on the street view map and satellite map as shown in ANNEXURE. Applicant/Owner to ensure that the plotted coordinates corresponds to his/her site.In case of any discrepancy,this assessment shall be treated as null and void

c. Airport operator or his designated representative may visit the site (with prior coordination with applicant or owner) to ensure that assessment terms & conditions are complied with.

d. The assessment is further subject to the provisions of Section 9-A of the Indian Aircraft Act, 1934 and any notifications issued there under from time to time including the Aircraft(Demolition of Obstruction caused by Buildings and Trees etc.) Rules,1994.

e. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans. This assessment for height is to ensure the safe and regular aircraft operations and shall not be used as document for any other purpose/claim whatsoever, including ownership of land etc.

f. Use of oil, electric or any other fuel which does not create smoke hazard for flight operations is obligatory, within 8 KM of the Aerodrome Reference Point.

g. This assessment has been issued w.r.t. the Civil Airports as notified in GSR 751(E). Applicant needs to seek separate NOC for Defence, if the site lies within jurisdiction of Defence Airport. Applicants also need to seek clearance from state Govt. as applicable, for sites which lies in the jurisdiction of unlicensed civil aerodrome as outlined in Rule 13 of GSR751 (E).

This assessment is system auto generated and thus does not require any signature

Designated Officer

Region Name: SOUTH

Address: General Manager Airports Authority of India, Regional Headquarter, Southern Region, Chennai Airport, Chennai-600027 (Tamil Nadu)

Email ID: vomm.noc@aai.aero

Contact No: 044-22560046

ANNEXURE

Street View

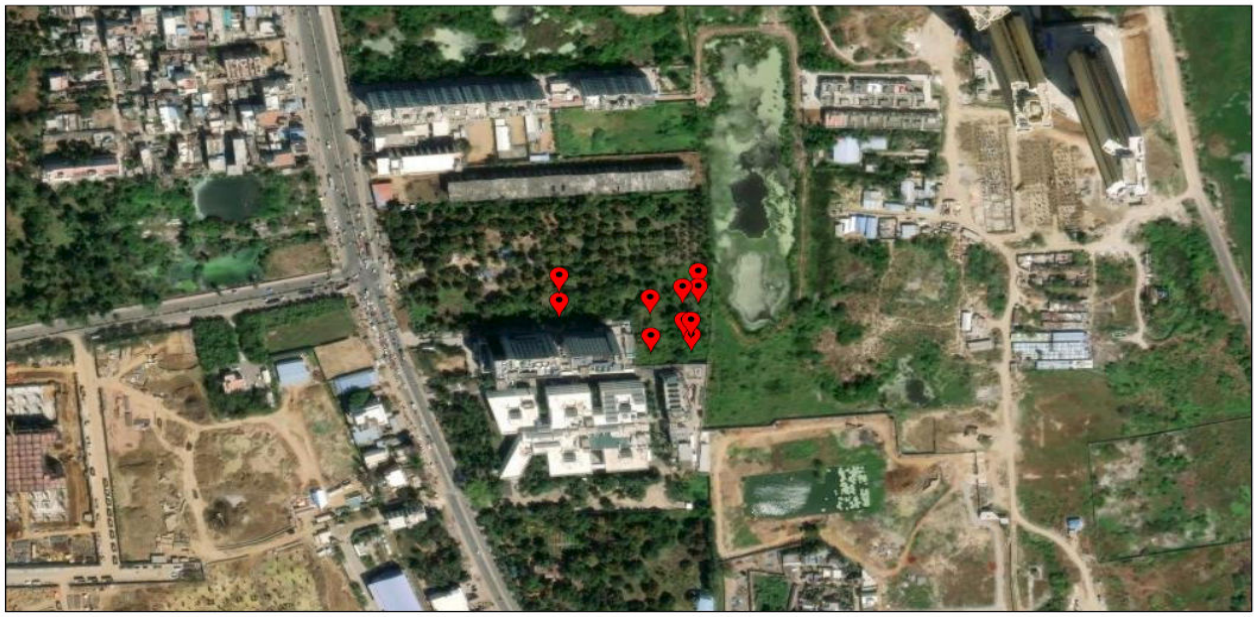


January 29, 2025

1:3,600
0 0.03 0.06 0.12 mi
0 0.05 0.1 0.19 km
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

AAI

Satellite View



January 29, 2025

1:3,600
0 0.03 0.06 0.12 mi
0 0.05 0.1 0.19 km
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

AAI

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

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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.