



DR. S. KALYANASUNDARAM, I.F.S (Rtd.),
CHAIRMAN

STATE LEVEL ENVIRONMENT
IMPACT ASSESSMENT AUTHORITY,
TAMILNADU,
3rd Floor, Panagal Maaligai,
No.1 Jeenis Road, Saidapet,
Chennai-15.

ENVIRONMENTAL CLEARANCE (EC)

**(Modified with reference to EC issued in Letter No. SEIAA/TN/F.1571/EC/ 8(b)/
446/2013 dt:.26.02.2016)**

Letter No. SEIAA/TN/F.1571/EC/ 8(b)/458/2013dt:.04.04.2016

To,
M/s. SSM Builders & Promoters,
SSM Nagar,
Puthur (Mappedu) Road,
Alapakkam ,
Chennai - 600 063.

Sir,

Sub: SEIAA, TN - Environmental Clearance - Construction of residential group development "SSM Nagar Housing Complex" by M/s. SSM Builders & Promoters, located at at S.No.310/1, 310/2, 311/1, 311/2, 311/3, 312/2A, 312/2B2B, 312/3, 313/1, 313/2, 313/3A1, 313/3A2, 313/3B, 313/5, 443/2, 443/3A, 443/3B, 444/1, 444/2, 446/1, 446/2, 446/3, 462/1A, 462/1B, 463/1A, 463/1B1, 463/2A1, 463/2A2A, 463/2A2B, 463/2B1, 464/1A1, 464/1A2, 464/1B1, 464/1B2, 464/1C, 464/1D, 464/1E, 464/2A1, 464/2A2, 464/2B, 465/1A, 465/2A2,

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465/2B, 465/3C1, 465/3C2, 465/4C, 466/3B, 466/4, 466/5, 467/2A, 467/2B, 468, 469/1, 469/3, 470/1A, 470/1B, 470/2, 470/3, 471/1, 471/2, 471/3, 471/4B2, 471/5B, 471/6, 472/1, 472/2, 473, 474/1A, 474/1B, 474/2, 475/1B, 475/2, 476/1, 476/2, 477/1, 478/1B, 478/2, 479/1, 479/2A, 479/2B1, 479/2B2, 479/3A1, 479/3A2, 479/3B, 479/3C, 479/4, 480, 481/2, 481/3A, 481/3B, 481/3C1, 493, 503/1B2, 506/1A, 508/2, 508/3, 509/4, 509/5, 509/6, 509/7, 509/8, 511/1A1, 511/1B1, 511/2, 512/1, 512/2A, 513/1A, 513/1B, 513/2, 513/3A, 513/3B, 514/1A, 514/1B, 514/2, 514/4A, 514/4B, 515/1, 515/2A, 515/2B1, 515/2B2, 516/3, 516/4, 517/1, 517/2 Nedungundram Village, Chengalpattu Taluk, Kancheepuram District, Tamil Nadu. - Issued - Regarding.

- Ref: 1. Your application for Environmental Clearance dated: 24.07.2013.
2. Minutes of the 43rd SEAC meeting held on 29.08.2013 & 30.08.2013.
 3. Letter No. SEIAA-TN/F-1571/SEAC-XL/TOR-155/2013 dt:19.09.2013.
 4. Minutes of the meeting held on 25.02.2016, as directed by the Hon'ble NGT, Principal Bench, New Delhi.
 5. Minutes of the 74th SEAC meeting held on 26.02.2016.
 6. Minutes of the 167th SEIAA meeting held on 26.02.2016.
 7. Directions from the Hon'ble NGT, Principal Bench, New Delhi, dt: 21.03.2016 & 23.03.2016.
 8. Inspection report of the SEAC Committee based on the directions of the Hon'ble NGT, Principal Bench, New Delhi, dt: 02.04.2016.
 9. Minutes of the 171st SEIAA meeting held on 04.04.2016.

1.0 This has reference to your application 1st cited, wherein you have submitted proposal for obtaining Environmental Clearance to establish a construction project "SSM Nagar Housing Complex" under Category B1 and Schedule S.No. 8(b) under the Environment Impact Assessment Notification, 2006, as amended of the Ministry of Environment, Forests and Climate Change, Government of India, New Delhi.



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The Competent Authority and Authorized signatory has furnished detailed information in Form 1 and Form 1A and liquidate enclosures are as Annexures:

2.0 Project Details

SI No	Description	Details
1)	Name of the Project proponent and address	M/s. SSM Builders & Promoters, SSM Nagar, Puthur (Mappedu) Road, Alapakkam , Chennai - 600 063.
2)	Proposed Activity	Construction of Residential Group development "SSM Nagar Housing Complex"
3)	Category and Schedule No. as per EIA Notification	B1, 8(b)
4)	Project Location	
	i) Survey Nos	310/1, 310/2, 311/1, 311/2, 311/3, 312/2A, 312/2B2B, 312/3, 313/1, 313/2, 313/3A1, 313/3A2, 313/3B, 313/5, 443/2, 443/3A, 443/3B, 444/1, 444/2, 446/1, 446/2, 446/3, 462/1A, 462/1B, 463/1A, 463/1B1, 463/2A1, 463/2A2A, 463/2A2B, 463/2B1, 464/1A1, 464/1A2, 464/1B1, 464/1B2, 464/1C, 464/1D, 464/1E, 464/2A1, 464/2A2, 464/2B, 465/1A, 465/2A2, 465/2B, 465/3C1, 465/3C2, 465/4C, 466/3B, 466/4, 466/5, 467/2A, 467/2B, 468, 469/1, 469/3, 470/1A, 470/1B, 470/2, 470/3, 471/1, 471/2,

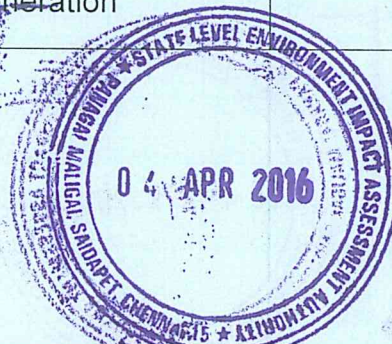


		471/3, 471/4B2, 471/5B, 471/6, 472/1, 472/2, 473, 474/1A, 474/1B, 474/2, 475/1B, 475/2, 476/1, 476/2, 477/1, 478/1B, 478/2, 479/1, 479/2A, 479/2B1, 479/2B2, 479/3A1, 479/3A2, 479/3B, 479/3C, 479/4, 480, 481/2, 481/3A, 481/3B, 481/3C1, 493, 503/1B2, 506/1A, 508/2, 508/3, 509/4, 509/5, 509/6, 509/7, 509/8, 511/1A1, 511/1B1, 511/2, 512/1, 512/2A, 513/1A, 513/1B, 513/2, 513/3A, 513/3B, 514/1A, 514/1B, 514/2, 514/4A, 514/4B, 515/1, 515/2A, 515/2B1, 515/2B2, 516/3, 516/4, 517/1 and 517/2
	ii)Revenue Village	Nedungundram
	iii)Taluk	Chengalpet
	iv)District	Kancheepuram
5)	Area of the Land	196605.54Sq.m.
6)	Built up Area	286171.63Sq.m
7)	Brief description of the project	To construct residential group development comprising of 13 residential blocks, 1 Club House and 6 Commercial Blocks as per the following details Block A- Stilt + 4 Floors, Block B- Stilt + 4 Floors, Block C- Stilt + 4 Floors, Block D- Stilt + 4 Floors, Block E- Stilt + 4 Floors, Block F- Stilt + 4 Floors, Block G (LIG Block)- Ground + 3 Floors,



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		Block H (LIG Block)- Ground + 3 Floors, Block I (LIG Block)- Ground + 3 Floors, Block J (LIG Block)- Ground + 3 Floors, Block K (LIG Block)- Ground + 3 Floors, Block L- Stilt + 4 Floors, Block M (LIG Block)- Ground + 3 Floors, Club House- Ground + 3 Floors, Commercial Block 1- Ground + 1 Floor, Commercial Block 2- Ground + 3 Floors, Commercial Block 3- Ground + 3 Floors, Commercial Block 4- Ground + 1 Floor, Commercial Block 5- Ground + 3 Floors, Commercial Block 6- Ground + 1 Floor
8)	No of Dwelling units	2952
9)	Expected number of occupants	16657
10)	Parking facilities	Covered parking area- 62234.54 sq.m Open parking area- 4325.00 sq.m
11)	Green Belt	52138.24Sq.m
	2.1- Water Supply	
1)	Water consumption during Operation Phase	2034 KLD
	a)Source from where the water is proposed to be drawn	Ground Water (4 Bore wells and 5 Open Wells at site)
	i)Domestic Purposes except for Toilet Flushing	1357 KLD from Ground Water Sources
	ii) Toilet Flushing (Recycled Water)	677 KLD
	2.2 Sewage Treatment	
	i)Sewage generation	1763 KLD



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ii)Details of Sewage Treatment Plants (STP's)	Total STP Capacity- 1785 KLD (STP 1- 200 KLD, STP 2- 380 KLD, STP 3- 380 KLD, STP 4- 200 KLD, STP 5- 350 KLD, STP 6- 275 KLD)
ii)Mode of Reuse, Disposal with quantity	i) Flushing- 677 KLD
	ii) Gardening-183 KLD
	iii) Excess treated sewage will be disposed through nearest Chennai Metropolitan Water Supply & Sewerage Board STP- 815 KLD
2.3 Solid Waste Management	
a) Total Municipal Solid Waste generated	8492 Kg/Day
i)Bio-degradable-3445 Kg/day	Mode of Treatment & Disposal- Treated in Biomethanation Plant (BARC Technology)
ii)Non Bio Degradable&Recyclable Waste- 4757 Kg/day	Handed over to authorized recyclers
b) Dried sludge from STP: 290 Kg/day	Used as manure for gardening.
2.4 Power Requirement	
a) From Electricity Board	15000 KVA
b)D.G .Sets i) Number of D.G. Sets	15 KVA-14 Nos. 20 KVA-53 Nos. 320 KVA-1 No.



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	ii) Height of Stack above the tallest Building	15 KVA-14 Nos.- 21.42 m from GL each 20 KVA-53 Nos.- 21.25 m from GL each 320 KVA-1 No.- 24.23 m from GL
	2.5 Project Cost	Rs. 720 Crores

3.0 Content of the revised Affidavit submitted by the Project Proponent

I, K.Santhanam, S/o Sri.K.R.Kuppuswamy Iyengar, aged about 69 years representing M/s.SSM Builders & Promoters as Managing Partner having its Registered Office at Plot No. 78, II Main Road, Nagappa Nagar, Chromepet, Chennai 600 044 and Project Site at SSM Nagar, Puthur (Mappedu) Road, Alapakkam, Chennai 600 063, has proposed to construct residential / commercial building at Survey Nos. 310/1, 310/2 etc. at Nedungundram Village, Chengalpattu Taluk, Kancheepuram District, Tamil Nadu. An application has been submitted by us seeking Environmental Clearance under the EIA Notification 2006, as amended. We furnish the following undertaking to the SEIAA-TN as directed to fulfill the requirement for issue of Environment Clearance.

1. We shall supply the daily fresh water requirement to the tune of 1357 KLD, during the entire period of operation from ground water after obtaining necessary permission from the PWD WRD State Ground & Surface Water Resources Data Centre and from external sources complying with rules and regulations in force. Based on the above commitment, we hereby undertake and commit that required water for the entire operation period in different phase of occupation will be made available, before handing over of the flats or before obtaining completion certificate from the competent authority, whichever is earlier. We shall hand over the apartments to the concerned owners, only after providing required water supply for the respective phase of occupation of the project.
2. The treated sewage will meet the quality prescribed by the CPCB for bathing quality. The treated / untreated sewage shall not find access to any water body / streams / roadsides.



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3. The treated sewage generated from the proposed project 1675 KLD, will be used for greenbelt (183 KLD), flushing (677 KLD) and the excess treated sewage water of 815 KLD available after reusing for flushing and gardening will be disposed into CMWSSB STP after obtaining necessary permission, transportation confirming to required norms through sewage water tankers.
4. The biodegradable waste of 3445 Kg/day will be treated through biomethanation plant (BARC Technology). The recyclable waste of 3281 Kg / day will be disposed through authorized recyclers. STP sludge of 290 Kg / day generated from the STP will be used as manure for garden. We shall dispose the solid waste as committed above without polluting the soil/ground water / adjacent canals / lakes / ponds etc.
5. We shall commit that the commercial area will be used only for general and office use.
6. We undertake to assure that the project components already established partially and components yet to be started shall be taken up only after obtaining CTE from SPCB.
7. We undertake to assure any direction proposed to be issued by the Hon'ble NGT/SEIAA as the case may be with respect to any part of the project component will be abide as directed.

We hereby assure that if the above affirmation is proved as incorrect / wrong at a later date, we may be punished according to law.

4.0 Project Appraisal and Environment Clearance

The project activity is covered in 8(b) of the Schedule and is of B1 category. It does not require Public Consultation as per Para 7 III Stage (3) (i) (d) of EIA Notification, 2006. Based on the application made in Form-1, Form-IA, proposed TOR, Annexures, and the additional clarifications furnished by the



proponent, the SEAC in its 43rd meeting held on 29.08.2013 & 30.08.2013 decided to issue TOR and called for detailed EIA report.

The Authority after considering all the requisite documents with status and date including the EIA study report, forwarded to the SEAC for appraisal. The SEAC in its 74th meeting held on 26.02.2016 appraised the EIA study report along with the field inspection report submitted to the Hon'ble NGT by the Committee constituted by the Hon'ble NGT. The SEAC after appraisal has recommended for issue of Environmental Clearance including the recommendations/suggestions of the Committee report submitted to the Hon'ble NGT, Principal Bench, New Delhi and other conditions included in the Minutes of the meeting. The Authority considered the proposal in SEIAA meeting held on 26.02.2016; vide Item No 166-03 and Environment Clearance accorded.

However, this Environmental Clearance accorded by the SEIAA in its meeting held on 26.02.2016 was perused by the Hon'ble National Green Tribunal, Principal Bench, New Delhi. The Hon'ble NGT, Principal Bench, New Delhi vide its order dated 21.03.2016 & 23.03.2016 has directed the SEIAA, Tamilnadu shall revise the Environment Clearance taking into consideration the actual field site conditions as the project constructions has already commenced before obtaining Environment Clearance. This has to be done by a Committee of the SEAC, Tamilnadu after making a site visit to project area.

As per the direction of the Hon'ble NGT, an Expert Committee made an inspection on 30.03.2016 and submitted the inspection report to SEIAA-TN. It is observed by the SEAC during the inspection some of the project components



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are established partially and some project components are yet to be established.

Based on the report of the SEAC Committee constituted as per the Hon'ble NGT Directions, the SEIAA in its 171st meeting held on 04.04.2016 decided to issue the revised Environment Clearance to the project. Considering the site conditions and status of the project, the Pre-Construction phase condition has not been included as the same is not applicable for this project.

The observation and recommendations of the Committee constituted by Hon'ble NGT and SEAC Expert Committee are incorporated in the respective phases.

Part A: Conditions for Construction Phase,

Part B: Conditions for Operation Phase

Validity:

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



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PART A- Conditions for the Construction Phase:

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

- i) The project authorities should advertise with basic details at least in two local newspaper 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 press release should also mention the directions of the Hon'ble NGT and clear status of the project components. 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.
- ii) 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.
- iii) 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.
- iv) The project components already established partially and components yet to be started shall be taken up only after obtaining CTE from SPCB.
- v) All other statutory clearances from State / Central Ground Water Authority as applicable to the project shall be obtained by project proponent from the concerned competent authorities prior to apply for CTO.
- vi) No construction activity of any kind shall be taken up in the OSR area.
- vii) The building shall be handed over to the buyers only after ensuring the safety of the structure.



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- viii) Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design. 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.
- ix) Lightning arrester shall be properly designed and installed at top of the building and where ever is necessary.
- x) All required sanitary and hygienic measures for the workers should be continued for construction activities and they have to be maintained throughout the construction phase.
- xi) All the labourers to be engaged should be screened for health and adequately treated during their employment on the work at the site.
- xii) The entire water requirement during the balance construction phase shall be drawn from ground water after ensuring sustainable water source and with approval of the PWD Department of water resources.
- xiii) 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.
- xiv) Construction spoils and other hazardous materials, must not be allowed to contaminate watercourses. Such hazardous waste such as paint residues, container containing such residues, broken electrical appliances and hardwares if any shall be disposed to the Authorized recyclers or TSDF respectively with the authorization from TNPCB.
- xv) The Environmental Management Plan as provided in EIA study report shall be carried out and results to be communicated on biannual basis to the TNPCB, Regional Office, MoEF with acopy to SEIAA.
- xvi) Ready-mix concrete shall alone be used in building construction and necessary cube tests should be conducted to ascertain their quality.



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- xvii) The STP's constructed shall provide safe access to the various units of STP's for safe movement in the area, adequate ventilation to avoid accumulation of gases such as Methane and Hydrogen Sulphide (H₂S), while ensuring easy maintenance and replacement of damaged equipment / accessories as per appropriate engineering measures.
- xviii) The Project Proponent shall provide separate electricity meter for the sewage treatment plants and maintain daily record of the power consumed, essential to ensure 24X7 functioning of STPs.
- xix) The treated waste water which is taken for flushing shall pass through Ultra Filtration (UF) units to meet the guidelines for flushing requirements.
- xx) Special water proof plastering of the interiors of the STPs shall be made to prevent seepage.
- xxi) The Project Proponent shall establish adequate storage capacity for treated effluent storage.
- xxii) Online flow measurement system shall be installed both at the Inlet and Outlet of the STPs., and to monitor the effluent quality atleast for the basic parameters, such as pH, suspended solids and BOD for self monitoring and self regulations besides ensuring compliance of the norms. The data will be transferred directly from the analysis.
- xxiii) All the plumbing lines carrying raw water, untreated effluent / treated effluent etc. shall be colour coded.
- xxiv) 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.
- xxv) 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.
- xxvi) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfill the requirement.



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- xxvii) 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.
- xxviii) Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.
- xxix) Proper and free approach road for fire-fighting vehicles upto the buildings and for rescue operations in the event of emergency shall be made.
- xxx) All Energy Conservation Building Code (ECBC) norms have to be adopted.
- xxxi) The Project Proponent shall reduce the power consumption by atleast 20% by replacing CFL lamps with LED lamps, using energy efficient device (solar relay – Bureau of energy efficiency) providing insulated window or insulated glasses and adopting advance elevator and air conditioning technologies.
- xxxii) The Proponent shall install energy efficient elevators using gearless machines or regenerative drive technology.
- xxxiii) Inverter technology based Air Conditioning machines should be installed.
- xxxiv) Installation of IR/Thermal switches in corridors/staircases to save energy shall be provided.
- xxxv) Diesel power generating sets proposed as source of back-up 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.
- xxxvi) The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower, etc. and the noise level shall be maintained as per



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MoEF/CPCB/TNPCB guidelines/norms both during day and night time.

- xxxvii) The Project Site shall continue to provide with health and safety devices as per Labour Act. Periodical health checkup shall be undertaken and made available during inspection.
- xxxviii) A separate environmental management cell with suitable qualified personnel shall be set-up under the control of a Senior Executive and the same shall be informed to SEIAA before taking up further construction.
- xxxix) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting. A hybrid system or fully solar system for a portion of the apartments shall be provided.
- xl) 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.
- xli) The Proponent shall furnish the biannual report for the compliance of the points raised by the Expert committee constituted by the Hon'ble NGT and the Environmental Clearance conditions stipulated by SEIAA-TN during the construction phase to the Regional office, MoEF & CC and also SEIAA-TN, forward the compliance report obtained from Regional office, MoEF & CC.

Part B- Conditions for Operation Phase:

1. Ground water Use:

- i. The project proponent should immediately conduct appropriate tests for the sustainability of the ground water drawal by a competent Authority and submit the same to the SEIAA.



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- ii. Ground water shall be drawn only after obtaining necessary permission from the Competent Authority.

2. Waste Water Management / Sewage Treatment

- i. Disposal of treated sewage:
 - a. The excess treated sewage shall be disposed to CMWSSB STP with their permission and at the cost of the Project Proponent.
 - b. Flow meters for treated and raw sewage shall be installed.
- ii. Transportation of treated sewage through tankers equipped with GPS system shall be done (to monitor their movement of the vehicle).
- iii. The Project Proponent shall analyze treated sewage for basic parameters once in a week through accredited lab. .
- iv. The Sewage Treatment Plant (STP) installed should be certified by independent expert / reputed Academic institutions for its adequacy before commissioning.
- v. Any alteration of STP to satisfy the designated quality shall be incorporated and the STP as installed shall be informed to SEIAA-TN.
- vi. The Proponent shall operate STP continuously by providing stand by DG set in case of power failure.
- vii. The treated sewage for gardening/Green belt shall ensure that it would not pollute the ground water sources.
- viii. The Ground water quality shall be maintained by taking samples as incorporated in EMP.

3. Rain Water Harvesting and Storm water drainage:



- i. The Project Proponent have to propose rain water harvesting plan considering the maximum intensity of rain fall and considering the surface on impervious to annual run off coefficient and accordingly the drain shall be designed. The rain water plan shall have storage facility such that entire harvested water shall be available for reuse.
- ii. The Project Proponent shall ensure that flooding in the vicinity and stagnation of the discharged water in the low lying areas around the complex does not occur either by increasing the capacity of rain water storage sumps or providing additional pits in the surface run off collection drain.
- iii. Alternative recharge points shall be identified based on scientific investigation within the property for storage and recharge of excess storm water.
- iv. The proponent/ Owner of the Flats shall ensure that storm water drain provided at the project site shall be maintained without choking or without causing stagnation and should also ensure that the storm water shall be properly disposed off in the natural drainage / channels without disrupting the adjacent public. Adequate harvesting of the storm water should also be ensured.
- v. In respect of Plan Marked channels, the recommendations below made by the SEAC Expert Committee shall be strictly followed:

a. Channel 1:

The plan marked channel, even though it does not exist physically now should be restored and maintained to function as effective storm water drainage channel. The outflow from the channel should be taken to nearby natural water body/course. The inlet for the channel should be created by providing opening in the compound wall at western end of the plan marked channel.

b. Channel 2:



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In order to make the Hume pipe functional, opening should be provided in the compound wall near eastern and western ends of the Hume pipe. The approach channel for the Hume pipe should be restored by the proponent and maintained for proper water flow. Similarly the out flow from the Hume pipe on the eastern side should be connected to a natural water body/course.

c. Channel 3:

The proponent should restore the channel from start to end by adopting the present alignment shown to the extent possible and modifying the alignment wherever needed in the built up area. The restored channel should more or less be along the marked channel. Like in the case of other channels, the inflow should be ensured by connecting to a channel outside the compound wall. Similarly the outflow for the channel at the eastern end should be connected to a natural water body/course.

d. Channel 4:

Like in the case of channel 3, channel 4 should be restored from start to end. This should be done by following the marked alignment to the extent possible and modifying the alignment in areas where construction has come up. The inflow to the channel should be restored by providing opening the western boundary wall. The eastern end of the channel should be extended and taken along the 18 m wide link road to connect to the restored channel 3.

e. Channel 5:

Instead of letting the outflow from the 1st branch into the private property, the proponent should ensure that the



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outflow reaches a natural water body/course. In case of the 2nd branch the channel should be restored along the 18 m wide road to connect to channel 4 and then to channel 3.

f. Channel 6:

The inflow to the Hume pipe should be ensured with proper maintenance upstream of the inlet point closer to the private property boundary. The outflow from the Hume pipe should be connected to a natural water body/course.

g. Channel 7:

The proponent should ensure proper inflow into the Hume pipe by maintaining the approach channel at the starting point and by providing opening in the compound wall similarly the proponent should ensure that the outflow reaches a natural water body/course.

4.Green Belt Development

- i. Project Proponent shall plan for scientific green belt development, Maximum possible space shall be left unpaved for recharging of ground water besides the proposed rain water harvesting system. The unpaved area shall be covered with green top or any other pervious material to maintain permeability of soil.
- ii. Green belt shall be developed all around the site boundary to act as a barrier for air and noise pollution. Ornamental plants / area left for landscape, covered with grass / shrubs and roof top garden shall be considered in the areas mandatory for green belt development. Sufficient space has to be provided for each tree so that it does not choke to death because of the putting of cement concrete all around the tree.



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- iii. The Project Proponent shall plant 50 Ornamental Plant Species in the form of two rows in between the blocks to make meaningful greenery.
- iv. 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 ready for occupation.

5. Solid Waste Management

- i. The Project Proponent shall prepare an action plan for ensuring segregation, collection, transportation, treatment and scientific disposal of Municipal Solid Waste. This action plan should be submitted to SEIAA and TNPCB for their approval.
- ii. The Project Proponent shall put in place a system for collection of discarded CFL & LED lamp and shall be disposed to Authorized recyclers only.
- iii. STP sludge shall be reused as the input for the Biomethanation plant.
- iv. Adequate measures should be taken to prevent odour emanating from BioMethanation plant and STP.
- v. The Plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management & Handling) Rules 2011.
- vi. The e - waste generated should be collected and disposed to a nearby authorized e-waste centre as per e waste (Management & Handling), Rules 2011.

6. Traffic Management

- i. The Project Proponent shall submit an action plan based on the traffic survey before commissioning. The recommendation of the traffic survey shall be strictly enforced to avoid congestion on the road, increased concentration of air pollutants.




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- ii. The Project Proponent shall ensure regular sweeping of the roads inside and adjacent to the complex to avoid re-suspension of settled dust, thereby taking care of any possibility of increasing particulate matter levels.
- 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.
- iv. The traffic wing of the police shall be consulted and any cost effective traffic regulative facility shall be met before commissioning.

7. Energy Saving & Power Management

- i. For meeting hot water requirement in kitchen solar energy should be used.
- ii. The project should obtain GRIHA or any other such rating.
- iii. The diesel required for operating DG sets shall be stored in underground tanks fulfilling the safety norms and if required, clearance from the Chief Controller of Explosives shall be taken.
- iv. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed as per the Hazardous Wastes (Management, Handling, Transboundary Movement) Rules 2008. Spent oil from D.G sets should be disposed off through registered recyclers.
- v. Low Sulphur Diesel shall be used for operating diesel generator sets. 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.

8. 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




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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.

9. 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. Storm water drains, and
- ix. Rain water harvesting system., etc

and it shall be made available to the owners.

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

11. The amount allocated by the proponent under CSR activity should be utilized for such activities by the proponent for the purpose for which it was allocated.

12. 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, Bangalore by e-mail.

13. This Environmental Clearance does not imply that the other statutory /



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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.

14.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.

15.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.

16.The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.

17.A copy of the Environmental clearance (EC) letter shall be made available to all the allottees along with the allotment order / sale deed.

18.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; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.

19.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.

20.The project proponent shall submit progress reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the



Ministry of Environment and Forests, its Regional Office Chennai, the respective Zonal Office of Central Pollution Control Board, SEIAA, TN and the State Pollution Control Board once in six months.

21.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.

22.The above 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, the Hon'ble National Green Tribunal , the Hon'ble High Court of Madras and any other Courts of Law, relating to the subject matter.

23.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.

24.The Project Proponent should ensure both during construction and post construction period, no damage is caused to ecology and environment, drainage system or any other system prevailing in and around the project site and also disposal of discarded CFL and LED lamps, demarcation of site for collection of construction debris, proper arrangements for utilization of treated sewage, installation of online system to monitor the effluent quality, provisions to be made in regard to car parking, collection, segregation and disposal of municipal solid waste in accordance with the rules and undertaking various other steps to comply with all directions to ensure proper safety against environment / ecology loss.

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

26.Any appeal against this environmental clearance shall lie with the Hon'ble



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National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

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CHAIRMAN,
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Copy to:

1. The Principal Secretary to Government, Environment & Forests Dept, Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
2. The Chairman, Central Pollution Control Board, PariveshBhavan, CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110032.
3. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032.
4. The APCCF (C), Regional Office, Ministry of Environment & Forest (SZ), 34, HEPC Building, 1st& 2nd Floor, Cathedral Garden Road, Nungampakkam, Chennai - 34.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests, ParyavaranBhavan, CGO Complex, New Delhi 110003.
6. TheBDO, Nedungundram Panchayat, Chengalpet taluk, Kancheepuram.
7. Stock File.

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SEIAA -TN



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

STATE LEVEL ENVIRONMENT
IMPACT ASSESSMENT
AUTHORITY – TAMIL NADU
3rd Floor, Panagal Maaligai,
No.1 Jeenis Road, Saidapet,
Chennai-15.
Phone No.044-24359974
Fax No. 044-24359975

AMENDMENT TO ENVIRONMENTAL CLEARANCE (EC)

Letter No. SEIAA/TN/F.1571/EC/ 8(b)/A/458/2013dt.:13.12.2017

To,

M/s. SSM Builders & Promoters,
SSM Nagar,
Puthur (Mappedu) Road,
Alapakkam ,
Chennai - 600 063.




Sir,

Sub: SEIAA, TN - Environmental Clearance - Construction of residential group development "SSM Nagar Housing Complex" by M/s. SSM Builders & Promoters, located at S.No.310/1, 310/2, 311/1, 311/2, 311/3, 312/2A, 312/2B2B, 312/3, 313/1, 313/2, 313/3A1, 313/3A2, 313/3B, 313/5, 443/2, 443/3A, 443/3B, 444/1, 444/2, 446/1, 446/2, 446/3, 462/1A, 462/1B, 463/1A, 463/1B1, 463/2A1, 463/2A2A, 463/2A2B, 463/2B1, 464/1A1, 464/1A2, 464/1B1, 464/1B2, 464/1C, 464/1D, 464/1E, 464/2A1, 464/2A2, 464/2B, 465/1A, 465/2A2, 465/2B, 465/3C1, 465/3C2, 465/4C, 466/3B, 466/4, 466/5, 467/2A, 467/2B, 468, 469/1, 469/3, 470/1A, 470/1B, 470/2, 470/3, 471/1, 471/2, 471/3, 471/4B2, 471/5B, 471/6, 472/1, 472/2, 473, 474/1A, 474/1B, 474/2, 475/1B, 475/2, 476/1, 476/2, 477/1, 478/1B, 478/2, 479/1, 479/2A, 479/2B1, 479/2B2, 479/3A1, 479/3A2, 479/3B, 479/3C, 479/4, 480, 481/2, 481/3A, 481/3B, 481/3C1, 493,

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503/1B2, 506/1A, 508/2, 508/3, 509/4, 509/5, 509/6, 509/7, 509/8, 511/1A1, 511/1B1, 511/2, 512/1, 512/2A, 513/1A, 513/1B, 513/2, 513/3A, 513/3B, 514/1A, 514/1B, 514/2, 514/4A, 514/4B, 515/1, 515/2A, 515/2B1, 515/2B2, 516/3, 516/4, 517/1, 517/2 Nedungundram Village, Chengalpattu Taluk, Kancheepuram District, Tamil Nadu. – Amendment-Issued - Regarding.

- Ref: 1. Your application for Environmental Clearance dated: 24.07.2013.
2. Minutes of the 43rd SEAC meeting held on 29.08.2013 & 30.08.2013.
 3. Letter No. SEIAA-TN/F-1571/SEAC-XL/TOR-155/2013 dt:19.09.2013.
 4. Minutes of the meeting held on 25.02.2016, as directed by the Hon'ble NGT, Principal Bench, New Delhi.
 5. Minutes of the 74th SEAC meeting held on 26.02.2016.
 6. Minutes of the 167th SEIAA meeting held on 26.02.2016.
 7. Directions from the Hon'ble NGT, Principal Bench, New Delhi, dt: 21.03.2016 & 23.03.2016.
 8. Inspection report of the SEAC Committee based on the directions of the Hon'ble NGT, Principal Bench, New Delhi, dt: 02.04.2016.
 9. Minutes of the 171st SEIAA meeting held on 04.04.2016.
 10. Letter No. SEIAA/TN/F.1571/EC/ 8(b)/458/2013 dt: 04.04.2016
 11. Order of the Hon'ble NGT, Principal Bench, New Delhi, dt: 22.04.2016 & 05.05.2016.
 12. Joint Inspection report submitted to the Hon'ble NGT, Principal Bench, New Delhi, dt: 10.10.2017.
 13. Judgment of the Hon'ble NGT, Principal Bench, New Delhi in OA No.676/2017 (Earlier O.A.No.37/2015) dt: 02.11.2017.
 14. Minutes of the 99th SEAC Meeting held on 11.12.2017 & 12.12.2017
 15. Minutes of the 259th Authority Meeting held on 13.12.2017




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The Environmental Clearance was accorded to M/s. SSM Builders & Promoters, located at at S.No.310/1, 310/2, 311/1, 311/2, 311/3, 312/2A, 312/2B2B, 312/3, 313/1, 313/2, 313/3A1, 313/3A2, 313/3B, 313/5, 443/2, 443/3A, 443/3B, 444/1, 444/2, 446/1, 446/2, 446/3, 462/1A, 462/1B, 463/1A, 463/1B1, 463/2A1, 463/2A2A, 463/2A2B, 463/2B1, 464/1A1, 464/1A2, 464/1B1, 464/1B2, 464/1C, 464/1D, 464/1E, 464/2A1, 464/2A2, 464/2B, 465/1A, 465/2A2, 465/2B, 465/3C1, 465/3C2, 465/4C, 466/3B, 466/4, 466/5, 467/2A, 467/2B, 468, 469/1, 469/3, 470/1A, 470/1B, 470/2, 470/3, 471/1, 471/2, 471/3, 471/4B2, 471/5B, 471/6, 472/1, 472/2, 473, 474/1A, 474/1B, 474/2, 475/1B, 475/2, 476/1, 476/2, 477/1, 478/1B, 478/2, 479/1, 479/2A, 479/2B1, 479/2B2, 479/3A1, 479/3A2, 479/3B, 479/3C, 479/4, 480, 481/2, 481/3A, 481/3B, 481/3C1, 493, 503/1B2, 506/1A, 508/2, 508/3, 509/4, 509/5, 509/6, 509/7, 509/8, 511/1A1, 511/1B1, 511/2, 512/1, 512/2A, 513/1A, 513/1B, 513/2, 513/3A, 513/3B, 514/1A, 514/1B, 514/2, 514/4A, 514/4B, 515/1, 515/2A, 515/2B1, 515/2B2, 516/3, 516/4, 517/1, 517/2 Nedungundram Village, Chengalpattu Taluk, Kancheepuram District, Tamil Nadu.

Based on the Judgment of the Hon'ble NGT, Principal Bench, New Delhi in OA No.676/2017 (Earlier O.A.No.37/2015) dt: 02.11.2017, the additional conditions are imposed in the Environment Clearance issued vide reference 10th cited.

Accordingly, the following amendment to the Environmental clearance 10th cited is issued as follows:

- I. In Page no. 25, Part B: Conditions for Operation phase; after S.No.26, the following may be inserted:

27. The handing over possession to all the flat owners shall be subject to compliance of the order dated:02.11.2017

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28. Out of 1966503 Sqm of area of the plot, the green belt is proposed to be raised over 52138 Sqm, which is 26.5 % of the total area. This green belt area must remain unchanged and should be brought under tree cover and not merely open parks, gardens and open areas and should not be diverted for any other general utility purposes. Any change in the area under green belt should be done only if fresh EC has been obtained.


29. Out of 1675 KLD of sewage, 677 KLD is proposed to be used in flushing, 183 KLD in greenbelt and the excess treated sewage water of 815 KLD available after reusing for flushing and greenbelt is proposed to be transported by tankers to CMWSSB STP Chennai for further treatment. This treated sewage should be sold, after proper treatment, either to the industries located nearby or to farmers to be used for irrigation purposes, rather than being transported over long distance. In view of the fact that such transportation, through tankers, is not a sustainable option in the long run.

30. The aquifer sustainability and ground water monitoring must be done rigorously and periodically and the water withdrawal from the borewells is to be rationed, regulated and monitored accordingly. In the event of water table depletion beyond the normal rate. Also, Rain Water Harvesting and usage of treated sewage water should be increased.

31. Regarding the generation of Biogas through Biomethanation by using wet waste, the project proponent shall install 3 TPD Bio-gas plant to convert food, kitchen and other biodegradable waste energy and the fact shall be informed to




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SEIAA. The facility shall be ready for commissioning at the time of occupation.

32. Green belt should not be concretised at any cost and all the footpaths, cycle tracks etc., within it, if constructed, should be free from any concretisation to permit infiltration/percolation of water into the ground.

33. The drinking water which is proposed to be either drawn from the ground water through borewells or through the water supply from the Chennai Metropolitan Water Supply and Sewage Board should be treated to meet the drinking water standards and for this purpose a treatment plant / RO plant be setup for the complete colony, thereby dispensing with the requirement of ROs at the individual household level.

34. Complete segregation of MSW at the household level should be a condition made to the allottees at the time of occupation and appropriate infrastructure for segregation and collection should be provided by the project proponent at the time of giving possession letters.

35. The project proponent should also inform either by displaying at a conspicuous place within the colony or by writing to individual allottees, all the conditions of EC and the commitment of the project proponent for fulfilment of the conditions, so that all the residents / allottees are aware of the conditions of EC and commitment to be fulfilled by the project proponent towards environment.

36. All the natural storm water drains passing through the area under the project should be maintained and used only for the

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purpose of carrying storm water. They should be suitably strengthened through soil and water conservation measures, including planting of green belt for slope stabilization.

37. In case there is any default on part of the project proponent, the Environmental Clearance granted shall be liable to be withdrawn/cancelled and the project proponent would be liable to pay environmental compensation, as well as, face all other proceedings including disobedience of the orders of the Tribunal, in accordance with law.

38. Inspection will be conducted by SEIAA, Tamil Nadu as to whether the project proponent has complied with all the conditions laid down in the order dated:02.11.2017 and also previous orders of the Tribunal.

39. The project proponent shall strictly adhere and comply to the above additional conditions and other previous conditions and report the fact to SEIAA – TN on a fortnightly basis for placing the report to SEAC for verification and compliance.

Except the above, all other details and conditions stipulated in the Environmental clearance dt.04.04.2016 remain unaltered.

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Copy to:

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

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

2. The Chairman, Central Pollution Control Board, PariveshBhavan,
CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110032.
3. The Member Secretary, Tamil Nadu Pollution Control Board,
76, Mount Salai, Guindy, Chennai-600 032.
4. The APCCF (C), Regional Office, Ministry of Environment & Forest (SZ),
34, HEPC Building, 1st& 2nd Floor, Cathedral Garden Road, Nungampakkam,
Chennai - 34.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests,
ParyavaranBhavan, CGO Complex, New Delhi 110003.
6. TheBDO, Nedungundram Panchayat, Chengalpet taluk, Kancheepuram.
7. Stock File.

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