



THIRU A.UDHAYAN,I.F.S
MEMBER SECRETARY

**STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY – TAMIL NADU**

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ENVIRONMENTAL CLEARANCE (EC)

Letter No. SEIAA/TN/F. 440/2011/EC/ 8(a)/ 605 /2018 dated: 09.08.2018

To,

The Managing Director,
Karpaga Vinayaga Educational Trust,
GST Road, Chinna Kolambakkam,
Palayanoor (P.O.), Padalam (via),
Madhurandhagam Taluk,
Kancheepuram - 603 308

Sir,

Sub: SEIAA, TN - Environmental Clearance under violation - Construction of Institute of Medical Science & Research Center at Survey Nos. 42/4A, 43/4, 49/1, 2, 3, 4, 50/1, 3 & 51/4B, 53/2 of Palayanoor Village & Kolambakkam Village and Survey Nos. 108/1, 109/1A, 1B, 2A1, 2A2, 2A3, 3A1, 3A2, 3A3 & 4, 110/1, 2, 3, 4 & 5, 111/1A1, 1A2, 1B, 1C, 1D1, 1D2, 1E, 1F, 2A & 2B, 112/1, 2, 3, 4 & 5, 113, 114/1, 2, 3, 4, 5, 6 & 7, 115, 116/1, 2A, 2B, 119/1A1, 1F, 1G2, 2A, 127/1, 2, 3, 4, 5, 6, 128/1, 2, 3, 129/1, 2, 130/1A, 1B1, 1B2, 1C, 131/5, 6, 7A & 7B of Moosivakkam Village, Madhurandhagam Taluk, Kancheepuram District by Karpaga Vinayaga Educational Trust - Issued - Regarding.

Ref: 1. Application for Environmental Clearance dated: 11.02.2011
2. Letter No. SEIAA-TN/F. 440/2010 dated 12.11.2014
3. MoEF&CC Notification dated 14.03.2017 (Violation Notification)
4. Application for Term of References (ToR) filed in MoEF &CC under Violation/Notification dated: 03.05.2017.



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5. MoEF&CC Notification S.O.1030 (E) dated 08.03.2018.
6. Terms of Reference F.No. 23-27/2018-IA-III dated: 11.04.2018 issued by MoEF & CC.
7. Application for Environment Clearances submitted to SEIAA-TN on 20.07.2018 for the consideration of EC under violation notification.
8. Minutes of the 116th SEAC meeting held on 09.07.2018.
9. Minutes of the 117th SEAC meeting held on 27.07.2018.
10. Minutes of the 329th SEIAA meeting held on 06.08.2018.
11. Proponent reply dated 09.08.2018 received by this office on 09.08.2018.
12. Minutes of the 331st SEIAA meeting held on 09.08.2018.

1.0 This has reference to your application 7th cited, wherein you have submitted proposal for obtaining Environmental Clearance for the residential development project under Category B2 and Schedule S.No. 8(a) under the Environment Impact Assessment Notification, 2006, and the notification S.O.1030 (E) dated 08.03.2018 as amended of the Ministry of Environment, Forests and Climate Change, Government of India, New Delhi.

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

PROJECT DETAILS		
SL No	Description	Details
1)	Name of the Project proponent and address	Mr. Annamalai, Managing Director, M/s. Karpaga Vinayaga Educational Trust, GST Road, Moosivakkam & Kolambakkam, Palaynoor (P.O.), Padalam (via), Madhurandhagam Taluk, Kancheepuram - 603 308



2)	Proposed Activity	Construction of Institute of Medical Science & Research Center by Karpaga Vinayaga Educational Trust
3)	Schedule No.	8(a)
4)	Project Location	
	i) Survey No	42/4A, 43/4, 49/1, 2, 3, 4, 50/1, 3 & 51/4B, 53/2 of No.24, Palayanoor, Kolambakkam Village and Survey Nos. 108/1, 109/1A, 1B, 2A1, 2A2, 2A3, 3A1, 3A2, 3A3 & 4, 110/1, 2, 3, 4 & 5, 111/1A1, 1A2, 1B, 1C, 1D1, 1D2, 1E, 1F, 2A & 2B, 112/1, 2, 3, 4 & 5, 113, 114/1, 2, 3, 4, 5, 6 & 7, 115, 116/1, 2A, 2B, 119/1A1, 1F, 1G2, 2A, 127/1, 2, 3, 4, 5, 6, 128/1, 2, 3, 129/1, 2, 130/1A, 1B1, 1B2, 1C, 131/5, 6, 7A & 7B of Moosivakkam Village
	ii) Revenue Village	Palayanoor, Kolambakkam Village and Moosivakkam Village
	iii) Taluk	Madhuranthagam
	iv) District	Kancheepuram
5)	Area of the Land	2,83,849.81 Sq. m
6)	Built up Area	1,24,667 Sq. m.
7)	Brief description of the project	The project consists Educational Institution of Karpaga Vinayaga Institute of Medical Science (G+4), Karpaga Vinayaga Institute of Dental Science (G+4), Karpaga Vinayaga College of Engineering and Technology (G+3), Karpaga Vinayaga college of Nursing



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		(G+3), Karpaga Vinayaga Hospital (G+3) and other infrastructure facilities includes Staff Quarters (G+5), Ladies Hostels - 5 Nos.(G+5, G+5, G+4, G+3, G+2), Gents Hostels - 3 Nos. (G+2, G+7, G+3), Auditorium Building (G+1), Lecture hall (G+1) and Classroom building (G+3)
8)	No of Dwelling units	-
9)	No of Occupants	7,502
10)	Parking facilities	18,166.39 Sq.m
11)	Green Belt	62,446.95 Sq.m
	UTILITIES - WATER	
12)	Total Water Requirement	562 KLD
	a) Source from where the water is proposed to be drawn	Ground water through in-house bore and open well and private tankers
	i) Domestic Purposes	344 KLD
	ii) Toilet Flushing (Recycled water)	218 KLD
	iii) Green belt development (Recycled water)	280 KLD
	iv) HVAC (Recycled water)	22 KLD
13)	Waste Water	
	i) Sewage	520 KLD
	ii) Trade Effluent	9 KLD
	a) Lab & Operation Theatre	5 KLD
	b) Laundry	4 KLD
	ii) Details of Treatment	STP capacity of 600 KL ETP capacity of 10 KL
	iii) Mode of Disposal with quantity	Treated sewage of 520 KLD generated will be reused for Toilet Flushing of 218 KLD, Greenbelt development of 280 KLD



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		and HVAC of 22 KLD. Treated Effluent of 8 KLD will be reused for green belt development
14)	SOLID WASTE	
	Municipal Solid Waste	1,706 Kg/day
	i) Bio degradable - 1,024 Kg/day Biodegradable waste: 679 kg/day Food Waste : 345 kg/day	Organic Waste Converter
	ii) Non Bio degradable - 682 Kg/day	Authorized Recyclers
	iii) Dried sludge from STP - 78 kg/day	Manure for green belt area
	iv) Sludge from ETP - 0.36 TPA	TSDf authorized recyclers
	Biomedical waste - 251 Kg/day	TNPCB Authorized Recyclers (Tamil Nadu Waste Management Limited)
15)	POWER REQUIREMENT	
	i) Electricity Board	1111 kVA
	ii) D.G. Set	25 kVA, 40 kVA, 63 KVA, 125 KVA, 140 KVA, 160 KVA, 180 KVA and 320 KVA
	iii) Height of Stack above the tallest Building	Adequate height of stack will be provided as per CPCB norms
16)	Project Cost	Rs. 87.849 Crores.
17)	EMP Cost	563 Lakhs

3.0 Content of the Affidavit submitted by the Project Proponent

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

1. I supply the daily fresh water requirement to the tune of 344 KLD during the entire period of operation, I hereby undertake and commit that required water for the entire operation period are met from Ground water through in-house bore and open well and private tankers, before commissioning the project or before obtaining completion certificate from the competent authority, whichever is earlier. I shall



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commission the project, only after providing required water supply for the whole project.

2. The total sewage generation from the project is 523 KLD which is treated through Sewage Treatment Plant of 600 KL and the treated sewage of 520 KLD generated is reused for Toilet Flushing of 218 KLD, Greenbelt development of 280 KLD and HVAC of 22 KLD. The effluent generated will be treated in ETP of 10 KL capacity and the treated effluent of 8 KLD will be reused for green belt development. No sewage or effluent shall be let out into nearby lakes or any water body at any point of time.
3. The biodegradable waste of 1,024 kg/day in which 679 kg/day shall be treated by Organic Waste Converter (OWC). 345 kg/day of Food waste sent to piggery and non-biodegradable waste of 682 kg/day shall be given to Authorized Recyclers. The reusable waste such as paper, plants etc., shall be collected by uncoiled twin bins by providing twin bin in each occupier area and disposed to such vendors for reuse. I shall dispose the solid waste as committed above without polluting the soil/ground water/adjacent canals/lakes/Ponds etc.,
4. We fully assure and commit ourselves to SEIAA, Tamil Nadu that maintenance of common facilities including greening, rain water harvesting, sewage disposal, solid waste disposal and environmental monitoring will be our responsibility. We shall consistently monitor the performance of the same and eventually the same shall be maintained throughout the project.
5. I also commit that proposed site does not encroach nearby water bodies/reserve forest/wetlands.

4.0 Project Appraisal and Environment Clearance:

- i. The project activity is covered in 8(a) of the Schedule and is of B2 category. It does not require Public Consultation as per Para 7 III Stage (3) (i) (d) of EIA Notification, 2006 and also as per the Hon'ble High Court of Madras in W.M.P. No.3361, 3362 of 2018 in W.P.No.11189 of 2017 . Based on the application



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made in Form-1, Form-IA, Conceptual Plan, Annexures, and the additional clarifications furnished by the proponent, it was found from the photographs furnished by the proponent, which shows that the construction activity was started without prior Environmental Clearance. Hence it was considered as violation of EIA Notification, 2006.

- ii. The proponent was requested to furnish the 'Letter of Commitment and Expression of Apology' vide SEIAA -TN letter dated: 06.02.2014
- iii. As per the guidelines issued for dealing with the projects involving violation vide MoEF & CC OM dated: 12.12.2012 & 27.06.2013, the project proponent furnished 'Letter of Commitment and Expression of Apology' vide letter dated: 04.03.2014 and also resolved in the form of a formal resolution assuring that such violation will not be repeated.
- iv. The Proponent was informed vide SEIAA Letter No. SEIAA-TN/F.440/2010 dated 12.11.2014 that the project proposal is included in the list of cases involving violations of Environment (P) Act, 1986 and that the project stands delisted in the lists of proposals under process in SEIAA-TN.
- v. As per the MoEF & CC Notification dated: 14.03.2017, stated that the cases of violation will be dealt strictly as per the procedures specified in the following manner

"In case the project or activities requiring prior EC under EIA Notification, 2006 from the concerned regulatory authority are brought for Environmental Clearance after starting the construction work or have undertaken expansion, modernization and change in product mix without prior EC, these projects shall be treated as cases of violations and in such cases, even Category B projects which are granted EC by the SEIAA shall be appraised for grant of EC only by the EAC and Environmental Clearance will be granted at Central level only". Accordingly, the proponent was addressed to submit the proposal to MoEF & CC for EC under violation category vide SEIAA letter dated: 19.06.2017. Then, the proponent has filed the application to MoEF & CC under violation on 03.05.2017. The application was filed for seeking ToR for the project name Hospital Building for Institute of Medical Science and



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Research Center. Built up area quoted was 1,24,667 sq.m which is the total area covering the following items:

- a. Karpaga Vinayaga Institute of Medical Science, Dental science, Engineering and Technology, Nursing – 47060.07 sq.m
 - b. Karpaga Vinayaga Hospital – 22,512.16 sq.m
 - c. Staff Quarters - 5415.07 sq.m
 - d. Ladies Hostels(5 No.s) – 20020.18 sq.m
 - e. Gents Hostels(3 No.s) – 19,167.32 sq.m
 - f. Auditorium Building – 3363.61 sq.m
 - g. Lecture Hall – 3562.94 sq.m
 - h. Classroom Building – 3565.66 sq.m
- vi. Accordingly, the MoEF & CC issued ToR vide F.No. 23-17/2017-IA-III dated: 10.04.2018 for the construction of Institute of Medical Science and Research Center for a total built up area of 1,24,667.41 sq.m and total plot area of 2,83,849.81 sq.m.
 - vii. Subsequently, MoEF & CC issued another notification S.O.1030 (E) dated 08.03.2018, stating that “the cases of violations projects or activities covered under category A of the Schedule to the EIA Notification, 2006, including expansion and modernization of existing projects or activities and change in product mix, shall be appraised for grant of Environmental Clearance by the EAC in the Ministry and the Environmental Clearance shall be granted at Central level, and for category B projects, the appraisal and approval thereof shall vest with the State or Union territory level Expert Appraisal Committees and State or Union territory Environment Impact Assessment Authorities in different States and Union territories, constituted under sub-section (3) of section 3 of the Environment (Protection) Act, 1986”.
 - viii. The proponent submitted the EIA report to SEIAA-TN on 20.07.2018 for the consideration of EC under violation notification.
 - ix. The proposal was placed in the 116th SEAC meeting held on 09.07.2018. The Committee noted that the project proposal is to be appraised under violation category as per MoEF & CC notification S.O. 1030 (E) dated: 08.03.2018. Since



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the project has been considered under violation category, the Committee felt that it is necessary to make an on the spot assessment of the status of the project execution for deciding the further course of action.

- x. The Inspection report of the technical team was placed before the 117th SEAC Meeting held on 27.07.2018.
- xi. The SEAC as per the MoEF & CC notification assessed the project based on Ecological damage, remediation plan and natural & community resource augmentation plan furnished as an independent chapter in the Environment Impact assessment report by the proponent.
- xii. Based on the inspection report and the violation notification, the SEAC classified the level of damages by the following criteria:
 - a. Low level Ecological damage:
 - i. Only procedural violations (started the construction at site without obtaining EC)
 - b. Medium level Ecological damage:
 - i. Procedural violations (started the construction at site without obtaining EC)
 - ii. Infrastructural violation such as deviation from CMDA/local body approval.
 - iii. Non operation of the project (not occupied).
 - c. High level Ecological damage:
 - i. Procedural violations (started the construction at site without obtaining EC)
 - ii. Infrastructural violation such as deviation from CMDA/local body approval.
 - iii. Under Operation (occupied).

The Committee observes that the project of M/s. Karpaga Vinayaga Educational Trust initially applied to SEIAA-TN on 27.01.2011 for Environment Clearance for the construction of Institute Of Medical Science & Research Centre at S.F.Nos. 42/4A, 43/4, 49/1, 2, 3, 4, 50/1, 3& 51/4B, 53/2 of Palayanoor Village & Survey Nos. 108/1, 109/1A, 1B, 2A1, 2A2, 2A3, 3A1, 3A2, 3A3 & 4, 110/1,



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2, 3, 4 & 5, 111/1A1, 1A2, 1B, 1C, 1D1, 1D2, 1E, 1F, 2A & 2B, 112/1, 2, 3, 4, & 5, 113, 114/1, 2, 3, 4, 5, 6, & 7, 115, 116/1, 2A, 2B, 119/1A1, 1F, 1G2, 2A, 127/1, 2, 3, 4, 5, 6, 128/1, 2, 3, 129/1, 2, 130/1A, 1B1, 1B2, 1C, 131/5, 6, 7A & 7B of Moosivakkam Village, Madhuranthagam Taluk, Kancheepuram District, Tamil Nadu, comes under the "High level Ecological damage category". The Committee decided to recommend the proposal to SEIAA for grant of post construction EC subject to the following conditions in addition to the normal conditions:

1. The amount prescribed for Ecological remediation(Rs. 43.92 lakhs), natural resource augmentation(Rs. 17.57 lakhs) & community resource augmentation (Rs. 26.35 lakhs), totalling Rs. 87.84 lakhs shall be remitted in the form of bank guarantee to Tamil Nadu Pollution Control board, before obtaining Environmental Clearance and submit the acknowledgement of the same to SEIAA-TN. The funds should be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
2. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of six months. If not the bank guarantee will be forfeited to TNPCB without further notice.
3. Regarding land use, the land is under the category of unclassified land for certain survey Nos. (as classified in 2008). Even though construction of institution building is permissible in unclassified land, the proponent was directed to obtain land use conversion from unclassified land to institution use land. This should be submitted before obtaining CTO from TNPCB.
4. Regarding storm water drainage and rainwater harvesting system - 20 rainwater recharge pits have already been built to trap roof water runoff. 3 open wells are there to which the runoff from open paved areas are directed for collection and reuse. There are 6 more open wells which have been abandoned. The technical team directed the proponent to construct 15 more recharge pits and revive the use of the 6 open wells which are not in use now




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in order to increase the amount of rainwater harvested. This should be completed before obtaining the CTO from TNPCB.

5. In addition to the existing 300 KLD STP, another 300 KLD STP will be constructed. Work has already been started. STP work should be completed before obtaining CTO from TNPCB.
 6. The proponent is directed to procure and install organic waste convertor for MSW management before issue of EC.
 7. The proponent is directed to construct an ETP for treatment of effluents from laboratory and operation theatres. This should be completed before obtaining CTO from TNPCB.
 8. The proponent is directed to provide stacks for the D.G. Sets with appropriate stack height as per CPCB norms especially for larger capacity D.G. Sets (125 KVA, 140 KVA, 160 KVA, 180 KVA & 320 KVA). This should be completed before obtaining CTO from TNPCB.
- xiii. The Authority considered the proposal in the 331st SEIAA meeting held on 09.08.2018 and decided to issue Environment Clearance to the project. Considering the site conditions and status of the project, the Pre-Construction phase condition and construction phase condition has not been included as the same has already been constructed for this project, as per the inspection report.

Part A: Common conditions applicable for Pre-Operation and Operational Phases

Part B: Conditions for Pre-Operation Phase.

Part C: Conditions for Operation Phase/Entire Life of the Project

Validity:

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



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Part - A – Common conditions applicable for Pre-Operation 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 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.
3. 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.
4. 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.
5. A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.
6. 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.
7. The Regional Office of the Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.



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8. 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.
9. 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.
10. The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.
11. 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.
12. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; PM₁₀, PM_{2.5}, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.
13. 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.
14. 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



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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.

15. 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.
16. 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.
17. 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.
18. The Plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management & Handling) Rules 2016.
19. 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.
20. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of six months. If not the bank guarantee will be forfeited to TNPCCB without further notice.
21. Regarding land use, the land is under the category of unclassified land for certain survey Nos. (as classified in 2008). Even though construction of institution building is permissible in unclassified land, the proponent was directed to obtain land use conversion from unclassified land to institution use land. This should be submitted before obtaining CTO from TNPCCB.
22. Regarding storm water drainage and rainwater harvesting system – 20 rainwater recharge pits have already been built to trap roof water runoff. 3 open wells are




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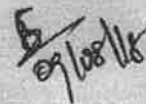
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there to which the runoff from open paved areas are directed for collection and reuse. There are 6 more open wells which have been abandoned. The technical team directed the proponent to construct 15 more recharge pits and revive the use of the 6 open wells which are not in use now in order to increase the amount of rainwater harvested. This should be completed before obtaining the CTO from TNPCB.

23. In addition to the existing 300 KLD STP, another 300 KLD STP will be constructed. Work has already been started. STP work should be completed before obtaining CTO from TNPCB.
24. The proponent is directed to procure and install organic waste converter for MSW management before issue of EC.
25. The proponent is directed to construct an ETP for treatment of effluents from laboratory and operation theatres. This should be completed before obtaining CTO from TNPCB.
26. The proponent is directed to treat the effluent generated from the laboratories, operation theatres and laundries separately and provide the dedicated ETP with separate RO system for the same. The RO permeate from the RO system shall be reused for laundry and RO reject shall be disposed through elevated solar evaporation pan with adequate size.
27. The proponent shall not use the laundry for discarded linen, mattresses, beddings contaminated with blood fluid and soiled waste. They should be washed through the vendors authorized by competent authority. Materials other than the materials listed above can be washed and cleaned in the laundry attached to the hospital.
28. The proponent is directed to provide stacks for the D.G. Sets with appropriate stack height as per CPCB norms especially for larger capacity D.G. Sets (125 KVA, 140 KVA, 160 KVA, 180 KVA & 320 KVA). This should be completed before obtaining CTO from TNPCB.
29. The EMP cost of Rs. 563 Lakhs shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually




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30. The project proponent has to provide rain water collection tank of 6250 cu.m capacity in order to recover and reuse the rain water during normal rains in addition to other structure proposed for rain water harvesting.
31. The Biodiversity identified should be protected and conserved by creating baseline data. Annual studies to be conducted on biodiversity and check list of all species of flora and fauna to be maintained.
32. The students should be involved in species assessment and awareness created on ecology of the campus.
33. The NCC, NSS, Green Corps students should be involved in creation of water bodies and conservation of the Natural water sources within the campus.
34. The project proponent shall have alternative options for disposal of excess treated sewage by identified the water bodies in consultation with competent authority.
35. The project proponent shall have alternative options for disposal of excess treated sewage by identified the water bodies in consultation with competent authority

Part B- Conditions for Pre Operation phase:

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



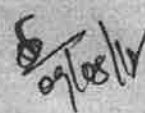
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4. "Consent to Operate" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.
5. The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of firefighting equipment's, etc as per National Building Code including protection measures from lightning etc.
6. Design of buildings should be in conformity with the Seismic Zone Classifications.
7. The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.
8. No construction activity of any kind shall be taken up in the OSR area.
9. Consent of the local body concerned should be obtained for using the treated sewage in the OSR area for gardening purpose. The quality of treated sewage shall satisfy the bathing quality prescribed by the CPCB.
10. The height and coverage of the constructions shall be in accordance with the existing FSI/FAR norms as per Coastal Regulation Zone Notification, 2011.
11. The proponent shall prepare completion plans showing Separate pipelines marked with different colours with the following details
 - i. Location of STP, compost system, underground sewer line.
 - ii. Pipe Line conveying the treated effluent for green belt development.
 - iii. Pipe Line conveying the treated effluent for toilet flushing
 - iv. Water supply pipeline
 - v. Gas supply pipe line, if proposed
 - vi. Telephone cable
 - vii. Power cable
 - viii. Storm water drains, and
 - ix. Rain water harvesting system., etc., and it shall be made available to the owners
12. A First Aid Room shall be provided in the project site during the entire operation phases of the project.
13. There shall not be any threat to the biodiversity due to the proposed development.
14. The present land use surrounding the project site shall not be disturbed at any point of time.




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15. The existing land use shall not be altered due to the project and shall be consistent with the surroundings.
16. During the operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.
17. The EMP cost shall be printed in the Brochure / Pamphlet for preparation of the sale of the property and should also mention the component involved.
18. There should be Fire fighting plan and all required safety plan.
19. The building should not spoil the green views and aesthetics of surroundings and should provide enough clean air space.
20. 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.
21. A disaster management plan should be in place in case of emergency.
22. The Building activity should not be impair the movement of migratory birds.

Part C- Conditions for Operation Phase/Entire Life of the Project:

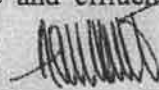
1. The Project Proponent shall ensure compliance of EC conditions related to pre-operational phase before the facility is handed over for occupancy and shall report to SEIAA, verified by Regional Office, MoEF& CC, Chennai.
2. The entire water requirement during operation phase may be met from ground water source from the source with approval of the PWD Department of water resources/ may be out sourced.
3. The ground water shall be drawn only after obtaining necessary permission from the Competent Authority.
4. Ground water quality to be checked for portability and if necessary RO plant shall be provided.
5. 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.

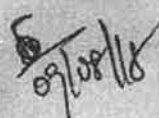


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6. The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.
7. Green belt should not be concretised at any cost and all the footpaths, cycle tracks etc., within it, if constructed, should be free from any concretisation to permit infiltration/percolation of water into the ground.
8. The project proponent should also inform either by displaying at a conspicuous place within the project site, all the conditions of EC and the commitment of the project proponent for fulfilment of the conditions, so that all the people will aware of the conditions of EC and commitment to be fulfilled by the project proponent towards environment.
9. 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.
10. 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.
11. 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.
12. The Proponent shall operate STP continuously by providing stand by DG set in case of power failure.
13. 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.
14. Adequate measures should be taken to prevent odour emanating from solid waste processing plant and STP.
15. The implementation of Environmental Management Plan in regard operation and maintenance of STP, reuse and disposal of untreated sewage and effluent from



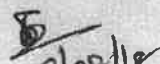

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- swimming pool, Solid waste Management, and CSR Activities should be carried out, as proposed and committed. Regular monitoring should be carried out during operation phase.
16. It is proposed to use organic waste convertor for managing the municipal solid waste (Organic components). Care should be taken to operate and maintain the OWC such a way that there is no problem to the nearby residents.
 17. The Municipal solid waste generated shall be collected, segregated and disposed as per Solid Waste Management Rules, 2016.
 18. The chemicals used for swimming pool shall be stored in a separate closed shed and the spillages shall be disposed scientifically.
 19. The E - waste generated should be collected and disposed to a nearby authorized e-waste centre as per E- waste (Management & Handling), Rules 2016.
 20. Diesel power generating sets proposed as source of back-up power during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986.
 21. The noise level shall be maintained as per MoEF/CPCB/TNPCB guidelines/norms both during day and night time.
 22. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed as per the Hazardous & other Wastes (Management & Transboundary Movement) Rules 2016. Spent oil from D.G sets should be disposed off through registered recyclers.
 23. The proponent 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



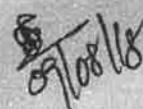

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- without disrupting the adjacent public. Adequate harvesting of the storm water should also be ensured.
24. The proponent/ Owner shall ensure that roof rain water collected from the covered roof of the buildings, etc shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.
 25. 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.
 26. 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.
 27. 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.
 28. 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. 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. Use of solar panels may be done to the extent possible.
 29. 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/DTCP norms. The traffic department shall be consulted and any cost effective traffic regulative facility shall be met.
 30. A First Aid Room shall be provided during operation of the project, with necessary equipments and life- saving medicines and should be manned all the 24 hours any day.




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31. The buildings should have adequate distance between them to allow free movement of fresh air and passage of natural light, air and ventilation.
32. 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.


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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, Parivesh Bhavan,
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,
Paryavaran Bhavan, CGO Complex, New Delhi 110003.
6. The Commissioner, Madhuranthagam Panchayat Union, Madhuranthagam Taluk,
Kancheepuram District.
7. Stock File.

