

# ENVIRONMENTAL MONITORING REPORT

(April 2023 – September 2023)

*For*

**M/s. G. Kuppuswamy Naidu Memorial Hospital**



*At*

T. S. Nos. 1020, 1027, 1055/2, Krishnarayapuram Village  
Pappanaickenpalayam Post, Coimbatore North Taluk  
Coimbatore District, Tamil Nadu

*By*

M/s. G. Kuppuswamy Naidu Memorial Hospital  
P.B. No. 6327, Nethaji Road,  
Pappanaickenpalayam,  
Coimbatore – 641 037

## Table of Contents

1.0	Introduction.....	1
2.0	Project components .....	1
3.0	Project status .....	1
4.0	Environmental Clearance and Compliance .....	1
5.0	Environmental Monitoring .....	2

## List of Annexures

Annexure – I	Copy of EC & EC Compliance Report	3
Annexure – A	Public Notice	57
Annexure – B	CTO Expansion Direct from TNPCB	59
Annexure – C	Greenbelt Development	76
Annexure – D	CER Activities	79
Annexure - II	Monitoring Reports	84

## **1.0 INTRODUCTION**

The hospital is located at T. S. Nos. 1020, 1027, 1055/2, Krishnarayapuram Village Pappanaickenpalayam Post, Coimbatore North Taluk, Coimbatore District, Tamil Nadu. The topography of the land is gradually slope from North towards South.

## **2.0 PROJECT COMPONENTS**

We G. Kuppuswamy Naidu Memorial Hospital has expanded our hospital facility to accommodate 750 beds capacity. The total land area is about **50,168 Sqm**. The total built up area of the hospital building is **58,060.20 Sqm**. Our hospital consists of A Block (G + 4 Floors), B Block (B + G + 2 Floors), C Block (G + 2 Floors), D Block (G + 4 Floors), E Block (2B + G + 3 Floors), Nurses Quarters (G + 2 Floors), Washing & Laundry Building (G + 3 Floors), New ATM & Shop (Ground Floor), Annex Block (B + G + 1 Floor), New Chiller Building (B + G + 2 Floors), Old Chiller Plant (G + 1 Floor), Doctors Quarters – I & Garage, Doctors Quarters – II (G + 2 Floors) Principal Quarters & Garage (G + 2 Floors), Old Children Ward, Dietitian office & ATM (G + 2 Floors), Security room, OHT, Shop, Mortuary Cabin & Other Utilities (Ground Floor). The capacity of inpatient is 750 Nos. and estimated outpatients are to be 1200 Nos. per day. The working population including doctors, nurses, administrative staffs and maintenance staffs are 1560 Nos. per day.

## **3.0 PROJECT STATUS**

The expansion activity has been completed and accommodated 750 beds.

## **4.0 ENVIRONMENTAL CLEARANCE AND COMPLIANCE**

This project has been accorded Environmental Clearance (EC) on 29.11.2022. The copy of the EC and compliance statement for the EC is enclosed as **Annexure - I**.

Consent to Operate Direct for the expansion activity from TNPCB was awarded on 18.10.2023 valid up to 31.03.2025. Hazardous waste authorization application is under process with TNPCB.

## 5.0 ENVIRONMENTAL MONITORING

The environmental monitoring will be carried out regularly at site at the required intervals so as to ensure that the pollutants do not exceed the prescribed limits. The frequency of monitoring is given in the table below and the monitoring done at site is discussed briefly in the subsequent sections.

**Details of Environmental Monitoring**

<b>S. No.</b>	<b>Description</b>	<b>Frequency</b>	<b>Location</b>
1	Stack Emission Monitoring	Three Months Once	6
2	Noise Level Monitoring	Three Months Once	7
3	Treated STP Water Analysis	Once in a month	1
4	Treated ETP Water Analysis	Once in a month	1

---

**ANNEXURE I – COPY OF EC &  
EC COMPLIANCE REPORT**

ENVIRONMENTAL  
CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,  
and Virtuous Environmental Single-Window Hub)



Government of India  
Ministry of Environment, Forest and Climate Change  
(Issued by the State Environment Impact Assessment  
Authority(SEIAA), Tamil Nadu)

To,

The chief executive officer  
G KUPPUSWAMY NAIDU MEMORIAL HOSPITAL  
krishnarayapuram village, pappanaickenpalayam post Coimbatore North  
Taluk -641037

**Subject:** Grant of Environmental Clearance (EC) to the proposed Project Activity  
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)  
in respect of project submitted to the SEIAA vide proposal number  
SIA/TN/MIS/204022/2021 dated 16 Mar 2021. The particulars of the environmental  
clearance granted to the project are as below.

- |                                               |                                         |
|-----------------------------------------------|-----------------------------------------|
| 1. EC Identification No.                      | EC23B038TN166906                        |
| 2. File No.                                   | 6415                                    |
| 3. Project Type                               | New                                     |
| 4. Category                                   | B2                                      |
| 5. Project/Activity including<br>Schedule No. | 8(a) Building and Construction projects |
| 6. Name of Project                            | G. Kuppuswamy Naidu Memorial Hospital   |
| 7. Name of Company/Organization               | G KUPPUSWAMY NAIDU MEMORIAL<br>HOSPITAL |
| 8. Location of Project                        | Tamil Nadu                              |
| 9. TOR Date                                   | N/A                                     |

The project details along with terms and conditions are appended herewith from page  
no 2 onwards.

Date: 10/01/2023

(e-signed)  
Thiru. Deepak S. Bilgi  
Member Secretary  
SEIAA - (Tamil Nadu)

*Note: A valid environmental clearance shall be one that has EC identification  
number & E-Sign generated from PARIVESH. Please quote identification  
number in all future correspondence.*

*This is a computer generated cover page.*

**Compliance Report for the conditions mentioned in Environmental Clearance dated 29.11.2022**

S. No.	Conditions	Compliance
<b><i>Part- A - Common conditions applicable for Pre-construction, Construction and Operational Phases</i></b>		
1	The project Proponent shall carry out the works assigned under ecological damage, natural, resource augmentation and community resource augmentation within a Period of one year as committed. If not, the bank guarantee will be forfeited to TNPCB without further notice.	Noted and agreed
2	Any appeal against this environmental clearance shall be 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.	Noted
3	The construction of STP, Solid Waste Management facility, E-waste management facility, DG sets, etc., should be made in the earmarked area only. In any case, the location of these utilities should not be changed later on.	We assure that STP, Solid Waste Management facility, E-waste management facility, DG sets, etc., are located in their earmarked area only and location of these utilities will not be changed later on in any case.
4	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.	We ensure that environmental safeguards mentioned in our application implemented in the letter and spirit.
5	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	We have obtained the necessary statutory clearances from Fire and Rescue Services Department and other concerned competent authorities.



Dr. G. MANOHARAN, M.D.,  
Chief Medical Officer  
Reg. No: 31472  
G. Kuppuswamy Naidu Memorial Hospital  
Pappansickampalayam, Coimbatore - 641 037.

	competent authorities.	
6	The SEIAA reserves the right to add additional safeguard measures subsequently, if noncompliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.	We agree to comply with all the EC conditions and will abide by any additional measures added by SEIAA in the future.
7	A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.	We assure that proper records for compliance of EC conditions will be maintained and the same will be made available at all the times.
8	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.	The environmental statement and status of compliance of environmental clearance conditions will be updated as mandated.
9	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.	We assure that full Cooperation will be extended to officers of regional office by furnishing the requisite data / information / monitoring reports.
10	"Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.	We have obtained CTO Expansion Direct from TNPCB and a copy of the same is enclosed as Annexure.
11	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.	We assure that a fresh appraisal from SEAC/ SEIAA will be sought if any changes are made in the scope of the project.
12	The conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air	We assure that we will follow the applicable rules and regulations.

  
 Dr. G. MANOHARAN, M.D.,  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappansickampalayam, Coimbatore - 641 037.



	(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.	
13	The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.	We assure that we will abide by all applicable rules and will not claim any relaxation on the grounds of Environmental Clearance.
14	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.	Noted and agreed
15	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.	Periodical monitoring of the environmental parameters has been done and reports are enclosed here as Annexure.
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	Noted and we assure that all the data submitted are true to the best of our knowledge.

  
**Dr. G. MANOHARAN, M.D.,**  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappansickampalayam, Coimbatore - 641 037.

	environmental clearance.	
17	This 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.	Noted and agreed
18	The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection, even during the subsequent period.	Noted and agreed
19	The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.	Noted and understood that the environmental clearance obtained does not absolve obligation to obtain other statutory and administrative clearances.
20	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.	Noted and agreed
21	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization and the shortfall shall be strictly reviewed and addressed.	A separate environmental management cell with qualified personnel under supervision of Senior Executive is under operation and the same will be followed for expansion activity also.
22	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.	Noted
23	Trees, herbs and shrubs listed should not be disturbed during any phase of the project.	We assure that Trees, herbs and shrubs listed will not be disturbed at any stage of the project.
24	Necessary permission should be obtained from PWD/Wetland Authority, Tamil Nadu before commencement of the project.	Necessary permission from the competent authority has been obtained before the commencement of the project.
25	The EMP cost shall be deposited in a nationalized bank by opening	Noted and all the EMP activities have been developed.

	separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually	
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	We assure that the ban on one time use and throwaway plastics irrespective of thickness will not be violated.
27	The proponent shall furnish the permission/ NOC of water supply from the competent authority before obtaining CTO from TNPCB.	We ensure that permission for water supply from the competent authority has been obtained
28	The Project Proponent has to provide percolation pits-25 Nos and 8 nos of Rain water Harvesting sump capacity each 5 KL of rain water provided in order to recover and reuse the rain water during normal rains as reported.	We ensure that 12 Nos of rain water harvesting pits, 2 Nos of Rain water Harvesting sump capacity of 450 KL & 100 KL have been provided in order to recover and reuse the rain water during normal rains as reported
29	The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval.	Noted and complied
30	As per MoEF & CC, Gol, Office Memorandum dated 30.03,2015, prior clearance from Forestry & Wildlife angle including clearance from obtaining committee of the National Board for Wildlife as applicable shall be obtained before starting the operation, if the project site is located within 10KM from National Park and Sanctuaries.	There is no national park or wildlife sanctuary with in 10km from the project site.
31	The Environmental Clearance is issued based on the documents furnished by the project proponent. In case any documents found to be incorrect/not in order at a later date the Environmental Clearance issued to the project will be deemed to be revoked/ cancelled.	We assure that all the document and information presented are true to the best of our knowledge.

  
**Dr. G. MANOHARAN, M.D.,**  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappansickampalayam, Coimbatore - 641 037.

<b>Part - B - Specific Conditions-Pre construction phase</b>		
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.	Advertisement was given in local newspaper both in local language and English and copy of the same is enclosed as Annexure.
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.	We assure that We will make fresh appraisal to SEAC/SEIAA if any changes made in the scope of the project.
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.	Complied. A copy of the clearance letter has been sent to the local body. We also assure that the same will be uploaded on our website.
4	The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of firefighting equipment, etc., as per National Building Code including protection measures from lightning etc., before commencement of the work	All approvals have been obtained from the competent authority relating to structural safety of the building, which comply National Building codes and includes protection from lightening too.
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.	All sanitary and hygienic measures were in place before our construction and the same have been maintained throughout the construction phase.
6	Design of buildings should be in conformity with the Seismic Zone Classifications.	We ensure that the design of buildings is 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	We ensure that the construction of the structures have been undertaken as per the plans approved by the concerned

  
 Dr. G. MANOHARAN, M.D.,  
 Chief Medical Officer  
 Reg. No: 31472.  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappansickampalayam, Coimbatore - 641 037.

	administration.	local authorities/local administration.
8	No construction activity of any kind shall be taken up in the OSR area.	Complied
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.	We assure that consent from the local body obtained for using the treated sewage for gardening purposes and the treated water will meet the bathing water quality standards as prescribed by 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.	The total height of the building and constructions were in accordance with the FSI norms and CRZ notification 2011.
11	The basement of the building shall be above the maximum flood level documented by the Water Resource Department, PWD, Government of Tamil Nadu in consultation with the CCMC.	Noted and We ensure that Basement is provided above maximum flood level documented by the Water Resource Department, PWD, Government of Tamil Nadu in consultation with the CCMC.
12	The proponent shall prepare completion plans showing separate pipelines marked with different colors with the following details; Location of STP, Compost System, Underground sewer line Pipeline conveying the treated effluent for greenbelt development Pipeline conveying the treated effluent for toilet flushing Water Supply pipeline Gas Supply Pipeline, if proposed Telephone Cable Power Cable Strom water drains and Rainwater harvesting system, etc., and it shall be made available to the owners.	We assure that all the utility drawings were made available.
13	A first Aid Room shall be provided in the project site during the entire construction and operation phases of the project	As the project is a health care facility, we did not need a separate first aid room.



Dr. G. MANOHARAN, M.D.,  
Chief Medical Officer  
Reg. No: 31472  
G. Kuppuswamy Naidu Memorial Hospital  
Pappansickampalayam, Coimbatore - 641 037.

14	The structural design of the proposed building must be vetted by premier academic institutions like Anna University, IIT Madras, etc., and the fact shall be informed to SEIAA.	The structural design has been vetted and approved by third party and construction has been done in accordance with the laws.
15	There shall not be any threat to the biodiversity due to the proposed development	Noted and We assure that there will not be any threat to the biodiversity at any time.
16	The present land use surrounding the project site shall not be disturbed at any point of time.	Noted and We assure that present land use will not be disturbed.
17	The greenbelt area shall be planted with indigenous native trees.	As instructed greenbelt area has been planted with trees of native species. The photographs of greenbelt development is enclosed as Annexure
18	Natural vegetation listed particularly the trees shall not be removed during the construction / operation phase. In case any trees are likely to be disturbed, shall be replanted.	Noted and assured to comply
19	During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.	We assure that the aquatic eco – system within and outside the project area will remain undisturbed at all stages of the project
20	The provisions of Forest Conservation Act 1980, Wild Life Protection Act 1972 & Bio Diversity Act 2002 should not be violated.	We assure that there will not be any violation with respect to the Forest Conservation Act, Wild Life Protection Act & Bio Diversity Act.
21	There should be firefighting plan and all required safety plan.	We assure that firefighting plan and all required safety plan were provided.
22	Regular fire drills should be held to create awareness among employees.	Complied.  Periodical drills have been conducted for the workers involved in construction and for the occupants of the project.

  
**Dr. G. MANOHARAN, M.D.,**  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappansickampalayam, Coimbatore - 641 037.

<b>Part - C - Specific Conditions - Construction Phase</b>		
1	<b>Construction Schedule:</b>	
	The project proponent shall have to furnish the probable date of commissioning of the project supported with necessary bar charts to SEIAA-TN.	The project is commissioned and the bar chart was furnished already.
2	<b>Labour Welfare:</b>	
	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.	Regular health camps were conducted for the construction workers 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.	Protective respiratory devices and adequate training has been given for All personnel working in our site for their health & safety aspects. Occupational health surveillance program also conducted at periodical intervals.
	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.	Periodical medical examination of the workers had been carried out and records of the same were maintained. All workers were provided with personnel protective equipment's like masks, gloves and boots etc.,
3	<b>Water Supply:</b>	
	i. The entire water requirement during construction phase may be met from ground water source from the source with approval of the PWD Department of water resources / may be out sourced.	Our entire water requirements for the construction phase were met from authorized private tankers.

  
**Dr. G. MANOHARAN, M.D.,**  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappansickampalayam, Coimbatore - 641 037.

	ii. Provision shall be made for the housing labor 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.	No temporary labour hutments were proposed. Local laborers from nearby areas were hired for the work. Proper sanitation facilities for them have been provided at site.
	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.	Adequate drinking water and sanitary facilities were provided for the construction workers at site. Waste water and solid waste during construction phase has been disposed safely.
	iv. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices prevalent.	We used premixed concrete, curing agents and other best practices to reduce water consumption throughout my construction phase.
	v. Fixtures for showers, toilet flushing and drinking water should be of low flow type by adopting the use of aerators / pressure reducing devices / sensor-based control.	Fixtures for showers and toilet flushing and drinking water had low flow type by adopting the use of aerators / pressure reducing devices / sensor-based control.
4	<b>Solid Waste Management:</b>	
	i. The solid waste in the form of excavated earth excluding the top soil generated from the project activity shall be scientifically utilized for construction of approach roads and peripheral roads, as reported.	The solid wastes in the form of excavated earth excluding the top soil generated from the project activity have been utilized properly as reported.
	ii. The proponent shall comply with the Bio Medical Waste Management Rules 2016, as amended.	Noted.
	iii. The project proponent shall ensure to provide adequate elevated closed area earmarked for collection, segregation, storage & disposal of wastes generated within the premises as per provisions of Solid Waste Management Rules, 2016,	Separate area has been earmarked for the disposal of waste generated.

  
**Dr. G. MANOHARAN, M.D.,**  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappansickampalayam, Coimbatore - 641 037.



	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 Trans boundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016 & Batteries (Management and Handling) Rules, 2001.	
5	<b>Top Soil Management:</b>	
	All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	Top soils excavated during construction were used within my site for the landscape and greenbelt development to retain the native species.
6	<b>Construction Debris Disposal:</b>	
	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	Construction debris arise during construction were used to fill the low-lying areas within my site and no outside disposal carried out. The construction and demolition waste were 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.	Adequate attention given to avoid leachate from Construction spoils including bituminous material and other hazardous materials into the nearby lakes/streams.

  
**Dr. G. MANOHARAN, M.D.,**  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappansickampalayam, Coimbatore - 641 037.

7	<b>Diesel Generator Sets:</b>	
	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.	Low sulfur diesel was used for the DG sets during construction phase. The air & noise emission not exceeded the standards prescribed in the rules under the Environment (Protection) Act, 1986.
	ii. The diesel required for operating stand by DG sets shall be stored in underground tanks fulfilling the safety norms and if required, clearance from Chief Controller of Explosives shall be taken.	Noted and agreed
	iii. The acoustic enclosures shall be installed at all noise generating equipment's such as DG sets, air conditioning systems, cooling water tower etc.	All noise generating equipment were provided with acoustic enclosures to reduce the noise emanating from them.
8	<b>Air &amp; Noise Pollution Control:</b>	
	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.	Vehicles used during construction were in good condition and complied the standards prescribed by TNPCB/CPCB. Also, we operated the vehicles during non-peak hours only.
	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.	Ambient air and noise levels have been confirmed to the residential standards prescribed by the TNPCB during day and night hours. No incremental pollution load noticed during the construction phase.
	iii. Traffic congestion near the entry & 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.	Noted and complied

  
**Dr. G. MANOHARAN, M.D.,**  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappansickampalayam, Coimbatore - 641 037.

	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.	Noted and complied
	v. The background noise levels prevailing at the site already exceeds permissible noise levels. Hence, the proponent should develop thick greeneries all around the project boundary in order to contain the noise levels.	Noted and We ensure that thick greeneries have been developed around the project site
	<b>Building Material:</b>	
9	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 27 <sup>th</sup> August, 2003 and Notification No. S.O. 2807 (E) dated: 03.11.2009	Fly ash blocks were used to certain extent and all other construction material used were in conformance to the NBC norms.
	ii. Ready-mix concrete shall alone be used in building construction and necessary cube-tests should be conducted to ascertain their quality.	Ready mix concrete of high quality was used in building construction and necessary cube tests were conducted to ascertain the 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.	We ensure that good quality thick glass was used and electricity consumption, load on air conditioning have been reduced to the maximum extent.
	<b>Storm Water Drainage:</b>	
10	Storm water management around the site and on site shall be established by following the guidelines laid down by the storm water manual.	We ensure that proper storm water management is in function as per guidelines storm water manual

  
**Dr. G. MANOHARAN, M.D.,**  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappanickampalayam, Coimbatore - 641 037.

11	<b>Energy Conservation Measures:</b>	
	i. Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfill the requirement.	Appropriate thermal insulation material has been used on roof to fulfill the ECBC requirements.
	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.	Appropriate thermal insulation has been provided for opaque wall to fulfill the ECBC requirements.
	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.	Solar water heaters were provided.
	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.	Noted.
	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 months' time.	Noted. Our design confirms to ECBC norms and requirements.
	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.	Noted and complied
12	<b>Fire Safety:</b>	
	i. Adequate fire protection equipment and rescue arrangements should be made as per the prescribed standards.	All required fire protection equipment and rescue arrangements were made as per the prescribed standards.

  
**Dr. G. MANOHARAN, M.D.,**  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappansickampalayam, Coimbatore - 641 037.

	ii. Proper and free approach road for fire-fighting vehicles up to the buildings and for rescue operations in the event of emergency shall be made.	Proper arrangements were in place for easy approach of fire fighting vehicles and for the rescue operations during emergency.
13	<b>Green Belt Development:</b>	
	i. The project proponent shall plant tree species with large potential for carbon capture in the proposed greenbelt area based on the recommendation of the Forest department well before the project is completed.	Noted and tree species with large potential for carbon capture have been planted in the greenbelt area based on the recommendation of the Forest department.
	ii. The project proponent has to develop thick greeneries all-round the project boundary in order to contain the noise levels.	Noted and thick greeneries with tree have been developed around the project site
14	<b>Sewage Treatment Plant:</b>	
	i. The Sewage Treatment Plant (STP) & Effluent Treatment plant (ETP) installed should be certified by an independent expert / reputed Academic institution 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.	Noted and complied
	ii. The proponent shall install STP & ETP as furnished. Any alterations to satisfy the bathing quality shall be informed to SEIAA – TN.	STP & ETP has been installed and in operation. Also, we assure that alterations to satisfy the bathing quality will be informed to SEIAA – TN, if any.
15	<b>Rain Water Harvesting:</b>	
	i. The proponent shall ensure that roof rainwater 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	We ensure that proper rain water harvesting arrangements were made with rain water sumps and rain water percolation pits for the beneficial use of rain water.

  
**Dr. G. MANOHARAN, M.D.,**  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappansickampalayam, Coimbatore - 641 037.

	water shall be reused.	
	ii. Rainwater harvesting for surface run-off, as per plan submitted should be implanted. Before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil & grease, etc. The proponent shall provide adequate number of bore wells / percolation pits/ etc. as committed. The bore wells / percolation pits etc. for rainwater recharging should be kept at least 5 mts. above the highest ground water table.	Proper rain water harvesting arrangements were provided with adequate number of rainwater storage sumps and percolation pits, proper pretreatment arrangements also provided with screens, settlers etc. for the removal of suspended matter, oil & grease, etc.
16	<b>Building Safety:</b>	
	i. Lightening arrester shall be properly designed and installed at the top of the building and wherever is necessary.	Lightening arrester with proper design is installed in required places.
	ii. The operation of demolition of the existing building should be carried out only during day time with adequate measures to contain the noise and dust in a way that it does not affect the residents who are living very close (at about 20m from the project site).	There is no demolition activity in my project.
<b>Part – D – Specific Conditions – Operation phase/Post Construction phase/Entire life of the project</b>		
1	There should be firefighting plan and all required safety plan.	We ensure that firefighting plan and all required safety plan have been provided
2	Regular fire drills should be held to create awareness among owners / residents.	Noted and We ensure that periodical drills have been conducted for the workers involved in construction and for the occupants of the project
3	The building should not spoil the green views and aesthetics of surroundings and should provide enough clean air space.	We assure that the building will not spoil the green views and aesthetics of surroundings and enough clean air space is provided.
4	The EMP cost shall be printed in the Brochure / Pamphlet for the	Noted

  
**Dr. G. MANOHARAN, M.D.,**  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappansickampalayam, Coimbatore - 641 037.

	preparation of the sale of the property and should also mention the component involved.	
5	The Project proponent shall get due permission from the wetland Authority before the commencement of the work.	Noted
6	The project activities should in no way disturb the manmade structures	Noted and We assure that project activity will not disturb the manmade structures
7	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.	Noted and complied
8	"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.	We assure that we will obtain CTO Expansion Direct from the Tamil Nadu pollution Control Board.
9	The ground water shall be drawn only after obtaining necessary permission from the Competent Authority.	Noted and agreed
10	Ground water quality to be checked for portability and if necessary, RO plant shall be provided.	Noted and agreed
11	The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.	Noted and agreed
12	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.	We ensure that treated sewage from STP will be reused for flushing, laundry, HVAC requirement and greenbelt development to the maximum extent and quality of treated sewage will be within the standards prescribed by the board at all time. And also, necessary measures have been made to mitigate the odour and mosquito problem from STP.

13	The Proponent shall operate STP continuously by providing stand by DG set in case of power failure.	Stand by DG set was provided for continuous operation of STP in case of power failure.
14	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.	We assure that treated sewage reused for greenbelt development will not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc.
15	Adequate measures should be taken to prevent odour emanating from solid waste processing plant and STP.	We ensure that adequate measures have been taken to prevent odour emanating from solid waste processing plant and STP.
16	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.	Note and assured to comply
17	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.	DG sets were provided with acoustic enclosures and the stack height was provided as per CPCB norms
18	The noise level shall be maintained as per MoEF/CPCB/TNPCB guideline/norms both during day and night time.	We assure that the noise level will be maintained as per MoEF/CPCB/TNPCB guideline/norms both during day and night time.
19	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 & Trans boundary Movement) Rules 2016. Spent oil from D.G sets should be disposed off through registered recyclers.	Noted. Spent oil from DG sets will be collected in HDPE drums and disposed through CPCB authorized recyclers after obtaining Hazardous waste Authorization from TNPCB.
20	The proponent shall ensure that storm water drain provided at the project site shall be maintained without choking or without causing	We ensure that storm water drain provided at site will be maintained without any choking or any stagnation.

  
**Dr. G. MANOHARAN, M.D.,**  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappanickampalayam, Coimbatore - 641 037.



	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.	Adequate harvesting will also be carried out.
21	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	Noted and We assure that used CFLs and TFLs will be disposed properly as per guidelines of authority.
22	A copy of the Environmental clearance (EC) letter shall be made available to all the allottees along with the allotment order / sale deed.	Noted. Hence, it is Hospital, not applicable.
23	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.	Noted and we assure that we will comply all the conditions mentioned in the Environmental clearance.
24	The Environmental Clearance is issued based on the documents furnished by the project proponent. In case any documents found to be incorrect/not in order at a later date the Environmental Clearance issued to the project will be deemed to be revoked/ cancelled.	Noted and we assure that all the details provided for obtaining Environmental clearance is true to the best of our knowledge

  
**Dr. G. MANOHARAN, M.D.,**  
 Chief Medical Officer  
 Reg. No: 31472  
 G. Kuppuswamy Naidu Memorial Hospital  
 Pappansickampalayam, Coimbatore - 641 037.