Annexure 1
Fire License and PESO License

TAMIL NADU FIRE & RESCUE SERVICES

FIRE LICENCE

Under Section 13 of the Tamil Nadu Fire Service Act No.40 of 1985 and with Tamil Nadu fire Service Rules 1990-Appendix-III

License No: 41 **/2025** **Date: 20.01.2025**
R.C.No. 220/A/ 2025

License is here by granted under section 13 of the Tamil Nadu Fire Service Act 1985 for to run **AN AUDITORIUM (Ground Floor Only)** (Mention Whichever is applicable) within the Jurisdiction of **CHINNA KOLAMBAKKAM** Village/ Panchayat in the Name of Company **M/S.KARPAGA VINAYAGA INSTITUTE OF MEDICAL SCIENCES & RESEARCH CENTRE, GST ROAD, CHINNA KOLAMBAKKAM, PALAYANOOR POST, MADURANTHAGAM TALUK, CHENGALPATTU DISTRICT** subject to the conditions noted there on and such other conditions as may be prescribed. Inspected by **S.SENTHILKUMARAN, ASSISTANT DISTRICT OFFICER, CHENGALPATTU** on 13.01.2025 and this license is valid up to 19.01.2026 **(Valid up to one year)**

CONDITIONS

- As per National Building code of India 2016, Part – IV Fire and Life Safety, Periodical maintenance and care should be taken to all fire protection equipment's with good working condition at all times and a register should be maintained.
- Staffs should be trained in preliminary firefighting as per G.O.NO:713 Home (Police-17), Dated:17.08.2005 with Fire and Rescue Services Department.
- The First aid firefighting equipment's should be maintained at all floors in accordance with the ISO 2190:2010 requirements.
- Fire drill should be conducted at least once in every six months with the local Fire and Rescue Service authorities and a permanent register should be maintained in part-1
- All there Fire Extinguishers have to be recharged and maintained periodically as per code practice in ISO 2190/2010
- Advise to train the employee to operate the fire Extinguisher.
- If there is any deviation from the Govt. rule and Act the LICENSE issued will stand cancelled.

(Office Seal)

மாவட்ட அலுவலர் அலுவலகம்
21 JAN 2025
செங்கல்பட்டு
தீயணைப்பு மற்றும் மீட்பு பணிகள்

District Officer,
Fire and Rescue Services,
Chengalpattu District,
Chengalpattu.

20/01

To:

M/S.KARPAGA VINAYAGA INSTITUTE OF MEDICAL SCIENCES & RESEARCH CENTRE,
GST ROAD, CHINNA KOLAMBAKKAM, PALAYANOOR POST,
MADURANTHAGAM TALUK, CHENGALPATTU DISTRICT.

Copy to: The Dy.Director, North-Western Region. T.N.F.R.S. Vellore.

TAMIL NADU FIRE & RESCUE SERVICES

FIRE LICENCE

Under Section 13 of the Tamil Nadu Fire Service Act No.40 of 1985 and with Tamil Nadu fire Service Rules 1990-Appendix-III

License No: 42 **/2025** **Date: 20.01.2025**
R.C.No. 221/A/ 2025

License is here by granted under section 13 of the Tamil Nadu Fire Service Act 1985 for to run **DENTAL COLLEGE (G+4)** (Mention Whichever is applicable) within the Jurisdiction of **MOOSIVAKKAM** Village/ Panchayat in the Name of Company **M/S.KARPAGA VINAYAGA EDUCATIONAL TRUST, GST ROAD, MOOSIVAKKAM, CHINNA KOLAMBAKKAM, MADURANTHAGAM TALUK, CHENGALPATTU DISTRICT** subject to the conditions noted there on and such other conditions as may be prescribed. Inspected by **S.SENTHILKUMARAN, ASSISTANT DISTRICT OFFICER, CHENGALPATTU** on 13.01.2025 and this license is valid up to 19.01.2026 **(Valid up to one year)**

CONDITIONS

- As per National Building code of India 2016, Part – IV Fire and Life Safety, Periodical maintenance and care should be taken to all fire protection equipment's with good working condition at all times and a register should be maintained.
- Staffs should be trained in preliminary firefighting as per G.O.NO:713 Home (Police-17), Dated:17.08.2005 with Fire and Rescue Services Department.
- The First aid firefighting equipment's should be maintained at all floors in accordance with the ISO 2190:2010 requirements.
- Fire drill should be conducted at least once in every six months with the local Fire and Rescue Service authorities and a permanent register should be maintained in part-1
- All there Fire Extinguishers have to be recharged and maintained periodically as per code practice in ISO 2190/2010
- Advise to train the employee to operate the fire Extinguisher.
- If there is any deviation from the Govt. rule and Act the LICENSE issued will stand cancelled.

(Office Seal)

மாவட்ட அலுவலர் அலுவலகம் 21 JAN 2025 செங்கல்பட்டு தீயணைப்பு மற்றும் மீட்பு பணிகள்

District Officer,
Fire and Rescue Services,
Chengalpattu District,
Chengalpattu.

20/01 20/01

To:

M/S.KARPAGA VINAYAGA EDUCATIONAL TRUST,
GST ROAD, MOOSIVAKKAM,
CHINNA KOLAMBAKKAM,
MADURANTHAGAM TALUK,
CHENGALPATTU DISTRICT.

Copy to: The Dy.Director, North-Western Region. T.N.F.R.S. Vellore.

TAMIL NADU FIRE & RESCUE SERVICES

FIRE LICENCE

Under Section 13 of the Tamil Nadu Fire Service Act No.40 of 1985 and with Tamil Nadu fire Service Rules 1990-Appendix-III

License No: 43 **/2025** **Date: 20.01.2025**
R.C.No. 222/A/ 2025

License is here by granted under section 13 of the Tamil Nadu Fire Service Act 1985 for to run **NURSING COLLEGE (G+3)** (Mention Whichever is applicable) within the Jurisdiction of **CHINNA KOLAMBAKKAM** Village/ Panchayat in the Name of Company **M/S.KARPAGA VINAYAGA COLLEGE OF NURSING, GST ROAD, CHINNA KOLAMBAKKAM, PALAYANOOR POST, MADURANTHAGAM TALUK, CHENGALPATTU DISTRICT** subject to the conditions noted there on and such other conditions as may be prescribed. Inspected by **S.SENTHILKUMARAN, ASSISTANT DISTRICT OFFICER, CHENGALPATTU** on 13.01.2025 and this license is valid up to 19.01.2026 **(Valid up to one year)**

CONDITIONS

- As per National Building code of India 2016, Part – IV Fire and Life Safety, Periodical maintenance and care should be taken to all fire protection equipment's with good working condition at all times and a register should be maintained.
- Staffs should be trained in preliminary firefighting as per G.O.NO:713 Home (Police-17), Dated:17.08.2005 with Fire and Rescue Services Department.
- The First aid firefighting equipment's should be maintained at all floors in accordance with the ISO 2190:2010 requirements.
- Fire drill should be conducted at least once in every six months with the local Fire and Rescue Service authorities and a permanent register should be maintained in part-1
- All there Fire Extinguishers have to be recharged and maintained periodically as per code practice in ISO 2190/2010
- Advise to train the employee to operate the fire Extinguisher.
- If there is any deviation from the Govt. rule and Act the LICENSE issued will stand cancelled.

(Office Seal)

மாவட்ட அலுவலர் அலுவலகம்
21 JAN 2025
செங்கல்பட்டு
தீயணைப்பு மற்றும் மீட்பு பணிகள்

District Officer,
Fire and Rescue Services,
Chengalpattu District,
Chengalpattu.

To:

M/S.KARPAGA VINAYAGA COLLEGE OF NURSING,
GST ROAD, CHINNA KOLAMBAKKAM,
PALAYANOOR POST,
MADURANTHAGAM TALUK,
CHENGALPATTU DISTRICT

Copy to: The Dy.Director, North-Western Region. T.N.F.R.S. Vellore.

TAMIL NADU FIRE & RESCUE SERVICES

FIRE LICENCE

Under Section 13 of the Tamil Nadu Fire Service Act No.40 of 1985 and with Tamil Nadu fire Service Rules 1990-Appendix-III

License No: 44 **/2025** **Date: 20.01.2025**
R.C.No. 223/A/ 2025

License is here by granted under section 13 of the Tamil Nadu Fire Service Act 1985 for to run **EDUCATIONAL INSTITUTE (G+3)** (Mention Whichever is applicable) within the Jurisdiction of **CHINNA KOLAMBAKKAM** Village/ Panchayat in the Name of Company **M/S.KARPAGA VINAYAGA COLLEGE OF ENGINEERING, GST ROAD, MOOSIVAKKAM, CHINNA KOLAMBAKKAM, PALAYANOOR POST, MADURANTHAGAM TALUK, CHENGALPATTU DISTRICT** subject to the conditions noted there on and such other conditions as may be prescribed. Inspected by **S.SENTHILKUMARAN, ASSISTANT DISTRICT OFFICER, CHENGALPATTU** on 13.01.2025 and this license is valid up to 19.01.2026 **(Valid up to one year)**

CONDITIONS

- As per National Building code of India 2016, Part – IV Fire and Life Safety, Periodical maintenance and care should be taken to all fire protection equipment's with good working condition at all times and a register should be maintained.
- Staffs should be trained in preliminary firefighting as per G.O.NO:713 Home (Police-17), Dated:17.08.2005 with Fire and Rescue Services Department.
- The First aid firefighting equipment's should be maintained at all floors in accordance with the ISO 2190:2010 requirements.
- Fire drill should be conducted at least once in every six months with the local Fire and Rescue Service authorities and a permanent register should be maintained in part-1
- All there Fire Extinguishers have to be recharged and maintained periodically as per code practice in ISO 2190/2010
- Advise to train the employee to operate the fire Extinguisher.
- If there is any deviation from the Govt. rule and Act the LICENSE issued will stand cancelled.

(Office Seal)

மாவட்ட அலுவலர் அலுவலகம் 21 JAN 2025 செங்கல்பட்டு தீயணைப்பு மற்றும் மீட்பு பணிகள்

District Officer,
Fire and Rescue Services,
Chengalpattu District,
Chengalpattu.

To:

M/S.KARPAGA VINAYAGA COLLEGE OF ENGINEERING,
GST ROAD, MOOSIVAKKAM, CHINNA KOLAMBAKKAM,
PALAYANOOR POST, MADURANTHAGAM TALUK,
CHENGALPATTU DISTRICT.

Copy to: The Dy.Director, North-Western Region. T.N.F.R.S. Vellore.

TAMIL NADU FIRE & RESCUE SERVICES

FIRE LICENCE

Under Section 13 of the Tamil Nadu Fire Service Act No.40 of 1985 and with Tamil Nadu fire Service Rules 1990-Appendix-III

License No: 45 **/2025** **Date: 20.01.2025**
R.C.No. 224/A/ 2025

License is here by granted under section 13 of the Tamil Nadu Fire Service Act 1985 for to run **MEDICAL COLLEGE (G+4)** (Mention Whichever is applicable) within the Jurisdiction of **MOOSIVAKKAM** Village/ Panchayat in the Name of Company **M/S.KARPAGA VINAYAGA EDUCATIONAL TRUST, GST ROAD, MOOSIVAKKAM, CHINNA KOLAMBAKKAM, MADURANTHAGAM TALUK, CHENGALPATTU DISTRICT** subject to the conditions noted there on and such other conditions as may be prescribed. Inspected by **S.SENTHILKUMARAN, ASSISTANT DISTRICT OFFICER, CHENGALPATTU** on 13.01.2025 and this license is valid up to 19.01.2026 **(Valid up to one year)**

CONDITIONS

- As per National Building code of India 2016, Part – IV Fire and Life Safety, Periodical maintenance and care should be taken to all fire protection equipment's with good working condition at all times and a register should be maintained.
- Staffs should be trained in preliminary firefighting as per G.O.NO:713 Home (Police-17), Dated:17.08.2005 with Fire and Rescue Services Department.
- The First aid firefighting equipment's should be maintained at all floors in accordance with the ISO 2190:2010 requirements.
- Fire drill should be conducted at least once in every six months with the local Fire and Rescue Service authorities and a permanent register should be maintained in part-1
- All there Fire Extinguishers have to be recharged and maintained periodically as per code practice in ISO 2190/2010
- Advise to train the employee to operate the fire Extinguisher.
- If there is any deviation from the Govt. rule and Act the LICENSE issued will stand cancelled.

(Office Seal)

மாவட்ட அலுவலர் அலுவலகம் 21 JAN 2025 செங்கல்பட்டு தீயணைப்பு மற்றும் மீட்பு பணிகள்

District Officer,
Fire and Rescue Services,
Chengalpattu District,
Chengalpattu.

To:

M/S.KARPAGA VINAYAGA EDUCATIONAL TRUST,
GST ROAD, MOOSIVAKKAM, CHINNA KOLAMBAKKAM,
MADURANTHAGAM TALUK, CHENGALPATTU DISTRICT.

Copy to: The Dy.Director, North-Western Region. T.N.F.R.S. Vellore.

TAMIL NADU FIRE & RESCUE SERVICES

FIRE LICENCE

Under Section 13 of the Tamil Nadu Fire Service Act No.40 of 1985 and with Tamil Nadu fire Service Rules 1990-Appendix-III

License No: 46 **/2025** **Date: 20.01.2025**
R.C.No. 225/A/ 2025

License is here by granted under section 13 of the Tamil Nadu Fire Service Act 1985 for to run **HOSPITAL (G+3)** (Mention Whichever is applicable) within the Jurisdiction of **MOOSIVAKKAM** Village/ Panchayat in the Name of Company **M/S.KARPAGA VINAYAGA EDUCATIONAL TRUST, GST ROAD, MOOSIVAKKAM, CHINNA KOLAMBAKKAM, PALAYANOOR POST, MADURANTHAGAM TALUK, CHENGALPATTU DISTRICT** subject to the conditions noted there on and such other conditions as may be prescribed. Inspected by **S.SENTHILKUMARAN, ASSISTANT DISTRICT OFFICER, CHENGALPATTU** on 13.01.2025 and this license is valid up to 19.01.2026 **(Valid up to one year)**

CONDITIONS

- As per National Building code of India 2016, Part – IV Fire and Life Safety, Periodical maintenance and care should be taken to all fire protection equipment's with good working condition at all times and a register should be maintained.
- Staffs should be trained in preliminary firefighting as per G.O.NO:713 Home (Police-17), Dated:17.08.2005 with Fire and Rescue Services Department.
- The First aid firefighting equipment's should be maintained at all floors in accordance with the ISO 2190:2010 requirements.
- Fire drill should be conducted at least once in every six months with the local Fire and Rescue Service authorities and a permanent register should be maintained in part-1
- All there Fire Extinguishers have to be recharged and maintained periodically as per code practice in ISO 2190/2010
- Advise to train the employee to operate the fire Extinguisher.
- If there is any deviation from the Govt. rule and Act the LICENSE issued will stand cancelled.

(Office Seal)

மாவட்ட அலுவலர் அலுவலகம் 21 JAN 2025 செங்கல்பட்டு தீயணைப்பு மற்றும் மீட்பு பணிகள்

District Officer,
Fire and Rescue Services,
Chengalpattu District,
Chengalpattu.

To:

M/S.KARPAGA VINAYAGA EDUCATIONAL TRUST,
GST ROAD, MOOSIVAKKAM, CHINNA KOLAMBAKKAM,
PALAYANOOR POST, MADURANTHAGAM TALUK,
CHENGALPATTU DISTRICT.

Copy to: The Dy.Director, North-Western Region. T.N.F.R.S. Vellore.

भारत सरकार/Government of India
वाणिज्य और उद्योग मंत्रालय/Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो) /Petroleum & Explosives Safety Organisation (PESO)
A और D - विंग, व्लॉक 1-8, दूसरा तल, शास्त्री भवन, 26 हड्डोउस रोड, नुंगम्बक्कम
चेन्नै- 600006
A & D - Wing, Block 1-8, IInd Floor, Shastri Bhavan, 26 Haddous Road, Nungambakkam,
Chennai - 600006

ई-मेल:/E-mail : jtccechennai@explosives.gov.in
फोन / फ़ैक्स नंबर:/Phone/Fax No : 044 - 28287118,28281023,28281041,28287119/28284848

अनुज्ञप्ति सं./No : S/SC/TN/03/168(S100231)

दिनांक/Dated : 21/09/2022

सेवा में/To,

Mr. Karpaga Vinayaga Institute Of Medical Science & Research Centre,
GST Road, Chinnakolambakkam, Palayanoor(P.O), M,
Chinnakolambakkam,
Maduranthakam,
Taluka: Maduranthakam,
District: KANCHIPURAM,
State: Tamil Nadu
PIN: 603308

विषय :/Sub : Survey No, 112/1, Plot No 112 1 GST Road Chinna Kolambakkam Palayanur Post Madurantakam Taluk Chengalpattu District 603 308, Chinnakolambakkam, Maduranthakam, Taluka: Maduranthakam, District: KANCHIPURAM, State: Tamil Nadu, PIN: 603308 स्थित MEDICAL OXYGEN, गैस के संपीडित पात्र / पात्रों में भंडारण के लिए स्थिर एवं गतिशील दाब पात्र (अज्वलित) नियम, 2016 के अधीन स्वीकृत अनुज्ञप्ति संख्या S/SC/TN/03/168 के नवीनीकरण संबंध में /Storage of NMEDICAL OXYGEN gas in pressure vessels at Survey No, 112/1, Plot No 112 1 GST Road Chinna Kolambakkam Palayanur Post Madurantakam Taluk Chengalpattu District 603 308, Chinnakolambakkam, Maduranthakam, Taluka: Maduranthakam, District: KANCHIPURAM, State: Tamil Nadu, PIN: 603308 - Licence No : S/SC/TN/03/168 grant in form LS-1A of SMPV(U) Rules, 2016-Renewal of Licence Regarding

महोदय/Sir(s),

कृपया आपके दिनांक : 12/09/2022 के पत्र संख्या: **OIN1152130** का संदर्भ ग्रहण करें I/Please refer to your application No.**OIN1152130** dated 12/09/2022 .

अनुज्ञप्ति संख्या : **S/SC/TN/03/168** का नवीकरण दिनांक 30th सितंबर 2027 तक कर इसके साथ अग्रेषित की जा रही हैं । Licence Number: **S/SC/TN/03/168** is renewed and is valid upto **30th September 2027** is forwarded herwith.

दिनांक 30/09/**2027** . से आगे अनुज्ञप्ति नवीनीकरण हेतु उपरोक्त नियम के नियम 55 के प्रावधानों का पालन किया जाएं । विलंब शुल्क से बचने हेतु शुल्क के साथ मूल अनुज्ञप्ति तथा अन्य दस्तावेज अधिकतम दिनांक : 30 सितंबर, **2027** तक **The Jt. Chief Controller of Explosives, South Circle, Chennai** में जरूर पहुंच जाने चाहिए ।
The provisions of the Rule 55 of the above said rules shall be followed for further renewal of the licence beyond 30/9/**2027**. The renewal application along with fees, Original licence and other documents shall reach in the Office of **The Jt. Chief Controller of Explosives, South Circle, Chennai**, latest by 30th September,**2027** to avoid late fee.

कृपया अनुज्ञप्ति प्राप्ति की पावती दें I/Please acknowledge the receipt of the licence.

भवदीय/Yours faithfully,

((पी.सीनीराज)
(P. SEENIRAJ))
उप मुख्य विस्फोटक नियंत्रक
Dy. Chief Controller of Explosives
कृते संयुक्त मुख्य विस्फोटक नियंत्रक
For Jt. Chief Controller of Explosives
चेन्नै/Chennai

(For more information regarding status,fees and other details please visit our website http://peso.gov.in)

Note:-This is system generated document does not require physical signature.

Digitally signed by P SEENIRAJ
Reason: Licence No. : S/SC/TN/03/168
Location: South Circle Office [S:1000231]
Date: 2022.09.21 10:38:23 +05:30

FORM LS-1A/प्ररुप - एलएस–1क

(See Rules 50, 51, 54 and 55)/(नियम 50 , 51, 54 और 55 देखें)

Licence to Store Compressed gas in pressure vessel or vessels

दाब पात्र या पात्रों में संपीड़ित गैस भण्डारकरण के लिए अनुज्ञप्ति

अनुज्ञप्ति सं/Licence No. : **S/SC/TN/03/168(S100231)** फीस रुपए/Fee Rs. **25000**/- per year/प्रति वर्ष

Licence is hereby granted to Karpaga Vinayaga Institute Of Medical Science & Research Centre, GST Road, Chinnakolambakkam, Palayanoor(P.O), M ,Chinnakolambakkam,Maduranthakam, Taluka: Maduranthakam, District: KANCHIPURAM , State: Tamil Nadu PIN: 603308 valid only for the storage of compressed gas in 1 Number(s) of pressure vessels as indicated below in the licensed premises described below and shown in the plan No.S/SC/TN/03/168(S100231) dated 03/01/2022 subject to the provisions of the Indian Explosives Act, 1884 (4 of 1884) and the rules made thereunder and to the further conditions of this licence.

श्री Karpaga Vinayaga Institute Of Medical Science & Research Centre, GST Road, Chinnakolambakkam, Palayanoor(P.O), M ,Chinnakolambakkam,Maduranthakam, Taluka: Maduranthakam, District: KANCHIPURAM , State: Tamil Nadu PIN: 603308 को नीचे वर्णित अनुज्ञप्त परिसरों में और रेखांकन संख्या S/SC/TN/03/168(S100231) dated 03/01/2022 में भारतीय विस्फोटक अधिनियम, 1884 (1884 का 4) और उसके अधीन बनाए गए नियमों तथा इस अनुज्ञप्ति की अन्य शर्तो पर 1 दाब पात्र / पात्रों में संपीड़ित गैस के भण्डारण के लिए अनुज्ञप्ति मंजूर की जाती है।

यह अनुज्ञप्ति 30 सितंबर 2027 तक प्रवृत्त रहेगी।

The Licence shall remain in force till the **30th September2027.**

Vessel No./वेसल नंबर	Name of Gas/ गैस का नाम	State of Gas/ गैस की स्थिति	Water Capacity in cubic meter/ जल क्षमता (घ.मी.)	Max. working Pre.(kg/cm^2)/ अधिकतम वर्किंग प्रेशर	Quantity Granted in kgs(Liquified gas)/किलोग्रॅम में जारी मात्रा (लिक्विफाईड गैसेस)
21T2978	MEDICAL OXYGEN	Liquified	12.66	17.335	13728
Total Water capacity			**12.66**		

December 7, 2021

For Jt. Chief Controller of Explosives
SC, Chennai
कृते संयुक्त मुख्य विस्फोटक नियंत्रक
वर्धा

DESCRIPTION AND LOCATION OF THE LICENSED PREMISES/अनुज्ञप्त परिसर का विवरण और अवस्थिती

The licensed premises, the layout boundaries and other particulars of which are shown in the attached approved plan No. S/SC/TN/03/168 dated 03/01/2022 are situated at MaduranthakamChinnakolambakkam and consists of 1 Number(s) vessel(s) for storage of :/अनुज्ञप्त परिसर, प्रदर्शित सीमा और अन्य विवरण जो संलग्न अनुमोदित रेखाचित्र क्र.S/SC/TN/03/168 दिनांक 03/01/2022 में दर्शाए गए है MaduranthakamChinnakolambakkam पर स्थित है और इसमे 1 वेसल सम्मिलित है।

a) Flammable/Corrosive/Toxic Gases :/ज्वलनशील / संक्षारक / विषैली गैसों:

b) Non-Toxic Gases :/अविषैली गैसों : MEDICAL OXYGEN

and is situated at SurveyNo : 112/1, Village/Town : MaduranthakamChinnakolambakkam, Police Station : Padalam, District : KANCHIPURAM, State : Tamil Nadu , Pin : 603308.

/प्लाट संख्या SurveyNo : 112/1, गांव या नगर : MaduranthakamChinnakolambakkam, पुलीस थाना : Padalam, जिला : KANCHIPURAM, राज्य : Tamil Nadu , Pin : 603308 में स्थित है।

SPACE FOR ENDORSEMENT OF RENEWALS/नवीकरण के पृष्ठांकन के लिए स्थान

	Date of Renewal/ नवीकरण की तारीख	Date of Expiry/ अनुज्ञप्ति की समाप्ति की तारीख	Signature and stamp of the licensing authority/अनुज्ञापन प्राधिकारी के हस्ताक्षर और कार्यालय की मुद्रा
This licence shall be renewable without any concession in fee for three years in the			

absence of contravention of the provision of the Indian Explosives Act, 1884, or the Static and Mobile Pressure Vessles (Unfired) Rules,2016, framed thereunder or of the conditions of the licence./अनुज्ञप्ति, भारतीय विस्फोटक अधिनियम, 1884 या उसके अधीन अधीन बनाए गए स्थिर एवं गतिशील दाब पात्र (अज्वलित) नियम, 2016 या इस अनुज्ञप्ति की शर्तों का उल्लंघन न होने की दशा में, फीस में बिना किसी छूट के तीन वर्ष तक नवीकृत की जाएगी।	21/09/2022	30/09/2027	P. SEENIRAJ DCCE For Jt. Chief Controller of Explosives Chennai

This licence is liable to be cancelled if the licenced premises are not found conforming to the description and conditions attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable with imprisonment for the term which may extend to two years or with fine which may extend to three thousand rupees or with both./यदि निरीक्षण के समय अनुज्ञप्त परिसर इससे उपाबद्ध विवरण और शर्तों के अनुरुप नहीं पाया जाता है और जिन नियमों और शर्तो के अधीन यह अनुज्ञप्ति मंजूर की गई है, उनमे से किसी का उल्लंघन होता है तो उस दशा में यह अनुज्ञप्ति रद्द की जा सकती है और अनुज्ञप्ति का धारक कारावास से, जिसकी अवधि दो वर्ष तक की हो सकेगी, या जुर्माने से, जो तीन हजार रुपये तक का हो सकेगा, या दोनों से दण्डनीय भी होगा।

Note:-This is system generated document does not require physical signature.

Digitally signed by P SEENIRAJ
Reason: Licence No. : S/SC/1N/03168
Location: South Circle Office [S1001]
Date: 2022.09.21 10:56:35 +05:30

Annexure 2

Ground Water NOC &
Local Body Water Letter

GOVERNMENT OF TAMIL NADU
WATER RESOURCES DEPARTMENT

From:
Er. S. Prabakaran, B.E.,
Chief Engineer, WRD,
State Ground & Surface Water
Resources Data Centre
Tharamani, Chennai 600 113.
Phone : 91-44-22542223 (Direct)
91-44-22541526/27(Board)
Email: cegwchennai@gmail.com
Web site:www.groundwatertnpwd.org.in.

To:
M/s. Karpaga Vinayaga Educational Trust,
GST Road,
Chinnakolambakkam,
Palayanoor Post,
Maduranthakam Taluk,
Chengalpattu District-603 308.

Lr.No.DD(G)/OT 9/G-3/878/Renewal-NOC/Chennai/2023/dated: 31.10.2023

Sir,

Sub: **"Renewal of No Objection Certificate"** for drawal of ground water to "**M/s. Karpaga Vinayaga Educational Trust",** Moocivakkam Village, Vaiyavur Firka, Madhuranthakam Taluk, Chengalpattu District -3rd Renewal of NOC - Reg.

Ref:
1. This Office Lr.No. OT 9/G-3/972/ Renewal NOC/ Chennai/ 2022/dt: 29.12.2022.
2. The Institution Renewal of NOC application dated: 19.07.2023.
3. SE/GWC/Chennai/Lr.No;236CE/AD(GP)/GWC/CH/F30/NOC /2023 / Dt. 11.10.2023.

Please find the enclosed **"Renewal of No Objection Certificate",** for drawal of ground water to "**M/s. Karpaga Vinayaga Educational Trust",** Moocivakkam Village, Vaiyavur Firka, Madhuranthakam Taluk, Chengalpattu District. You are requested to strictly adhere to the quantity permitted and conditions mentioned in the certificate and **apply for renewal of NOC** before two months from the date of expiry **16.09.2026** without fail. If you fail to apply for renewal of NOC, it will be treated as "illegal" and informed to the District Monitoring Committee to seal the open wells and bore well in your Institution as per Madras High Court orders in WP.No.28535/2014 & WP.No.16299/2018.

Enclosure:

1. **Renewal of No Objection Certificate & Conditions**

31/10/2023

Chief Engineer (SG &SWRDC),
WRD, Tharamani, Chennai-113

Certificate No.878/2023 (R-3) **Dated: 31.10.2023.**

GOVERNMENT OF TAMIL NADU

WATER RESOURCES DEPARTMENT

STATE GROUND & SURFACE WATER RESOURCES DATA CENTRE

CHENNAI – 113

Renewal of No Objection Certificate

This is to certify that **"M/s. KARPAGA VINAYAGA EDUCATIONAL TRUST"**, Moocivakkam Village, Vaiyavur Firka, Madhuranthakam Taluk, Chengalpattu District is hereby given the **"Renewal of No Objection Certificate"** for the drawal of total quantity of **90,000 LPD** (Ninety Thousand litres per day) of ground water for the purpose of **"Domestic/Infrastructure"** from the Ground water structures listed below with strict adherence of stipulated conditions.

Sl. No	Referred Wells / Bore Wells & S.F.No	Village/ Firka	Co-ordinates		Quantity restricted & Permitted for pumping in LPD
			Latitude	Longitude	
1.	Open Well-1/ 119	Moocivakkam / Vaiyavur	12°35'13"N	79°54'25"E	**55,000**
2.	Open Well-2/ 127		12°35'26"N	79°54'25"E	**20,000**
3.	Bore Well/ 50/1&2		12°35'25"N	79°55'27"E	**15,000**
				Total	**90,000**

This renewal certificate is valid from 17.09.2023 to 16.09.2026 and the renewal NOC is issued under the conditions laid down.

31/10/2023

Chief Engineer (SG &SWRDC),
WRD, Tharamani, Chennai-113

Renewal NOC Conditions pertaining to M/s. Karpaga Vinayaga Educational Trust, Chengalpattu District.

1 **This No Objection certificate issued for ground water extraction applies to the referred ground water abstraction structure only.**

2 All the **other ground water abstraction structures** (dug wells/bore wells/dug-cum bore wells) other than the permitted one inside the plant area **should not be considered** for this permission.

3 Such structures as said in Condition No.2 should be closed or used only for **Rain water harvesting** purposes.

4 This Certificate is applicable for drawal of permitted Quantity of ground water only and **not for transportation.**

5 The Institution should install necessary "flow meters" to the referred well /bore well and monitor the quantity which should not exceed the permitted level. **Proper Records** should be maintained continuously from the date of drawal. Monthly statement of daily drawal of water should be sent to the Executive Engineer, Groundwater Division, Chennai.

6 As and when the officials of Ground Water Wing of WRD inspect the site/premises, perusal of drawal records and water quality observations should be allowed.

7 **Rain water harvesting structure** is to be established as per the direction of this department. Rain water harvesting structures already exist inside the plant premises, it should be maintained properly.

8 **Violation of the above stipulations in any form may lead to cancellation of the permission accorded by the Government.**

9 The Institution should be ready to pay the **levy/charges for drawal of ground water** for commercial purposes, if Government / Ground Water Authority imposes any such orders in future.

10 It is also informed that during the renewal of the NOC, depending upon the hydrogelogical condition the category of the area and the site conditions, the quantity will be vary from permitted quantity.

11 The handed over Bore Well to this Department for Water Level monitoring purpose should be maintained properly. The Institution has to take the water level in the first week of every month & maintain a monthly water level Register and the Assistant Geologist concerned should monitor the water level data and also check whenever required.

12 This No Objection Certificate is applicable only for the purpose of **"Domestic/ Infrastructure"**, if any deviation in the usage of ground water is found, the NOC accorded is automatically deemed to be cancelled.

13 As per the G.O.(Ms).No 142 PW(R2)Dept, dt;23.07.2014, NOC for the Non water based industries must be renewed three years once.

14 The **Executive Engineer, Ground Water Division/ The Assistant Director (G), Groundwater Sub Division/The Assistant Geologist, Groundwater Section** of the respective District **would inspect** either the rain water harvesting structures established in the premises of the firm or the records maintained or even the drawal of ground water as and when needed and it is the mandatory of the firm to maintain the Rain water harvesting structure/ structures properly and show the records needed.

15 **If any information / Documents submitted by this firm is found to false / in correct or any data provided by the firm is found to be incorrect, the NOC issued to the firm will be cancelled by this department without any prior notice.**

30/10/2017

Chief Engineer, SG &SWRDC,
WRD, Tharamani, Chennai-113.

திராவிட முன்னேற்ற கழகம்

M.M.காமராஜ்

வையாவூர் ஊராட்சி மன்ற தலைவர்

நெ.21, மாம்பட்டு கிராமம், மதுராந்தகம் தாலுக்கா, செங்கல்பட்டு மாவட்டம்.

Cell : 9894643469, 7708880162

தேதி : 13.09.2025

பெறுநர்:

நிர்வாக இயக்குனர்
கற்பக விநாயகா கல்வி அறக்கட்டளை
GST சாலை,சின்ன கொலம்பாக்கம்,
மதுராந்தகம் தாலுகா
செங்கல்பட்டு மாவட்டம்

ஐயா,

பொருள்: தடையில்லா சான்று –செங்கல்பட்டு மாவட்டம் , மதுராந்தகம் ஊராட்சி ஒன்றியம் Survey no 42/4A, 43/4,49/1,2,3,4,50/1,3 & 51/4B,53/2 – பழையனூர்கிராமம்&கொலம்பாக்கம்கிராமம், Survey no 108/1,109/1A,1B,2A1,2A2,2A3, 3A1, 3A2, 3A3,& 4, 110/1,2,3,4 , 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,119/1AJ,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 மூசிவாக்கம் கிராமத்தில் அமைந்துள்ளகற்பக விநாயகா கல்வி அறக்கட்டளையின் மருத்துவ அறிவியல் மற்றும் ஆராய்ச்சி மையத்தின் திட்ட விரிவாக்க பணிகளுக்காக நாளொன்றுக்கு சுமார் 470KLDகுடிநீர்வழங்கவேண்டிமற்றும்கழிவு நீரை மறு சுழற்சி செய்தபின் மீதமுள்ள 225.5KLDஉபரிநீரை
சாலையோரபூங்காமற்றும்மரங்களுக்குபயன்படுத்தவேண்டிவிண்ணப்பம்.
–தொடர்பாக.

பார்வையில்காணும்கடிதத்தில், செங்கல்பட்டு மாவட்டம் , மதுராந்தகம் ஊராட்சி ஒன்றியம் Survey no 42/4A, 43/4,49/1,2,3,4,50/1,3 & 51/4B,53/2 – பழையனூர்கிராமம்&கொலம்பாக்கம் Survey no108/1,109/1A,1B,2A1,2A2,2A3, 3A1, 3A2, 3A3,& 4, 110/1,2,3,4 , 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,119/1AJ,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 மூசிவாக்கம் கிராமத்தில் அமைந்துள்ளகற்பக விநாயகா கல்வி அறக்கட்டளையின் மருத்துவ அறிவியல் மற்றும் ஆராய்ச்சி மையத்தின் திட்ட விரிவாக்க பணிகளுக்காக நாளொன்றுக்கு சுமார் 470KLDகுடிநீர்வழங்கவேண்டிமற்றும்கழிவு நீரை மறு சுழற்சி செய்தபின் மீதமுள்ள 225.5 KLD உபரிநீரை
சாலையோரபூங்காமற்றும்மரங்களுக்குபயன்படுத்திக்கொள்ளதடையில்லா சான்றுகோரி விண்ணப்பித்துள்ளார்

அதன்படி, நிர்வாகம் கோரியுள்ளவாறு,தங்களது மருத்துவ அறிவியல் மற்றும் ஆராய்ச்சி மையத்திற்கு தேவையான 470 KLD குடிநீர்,ஊராட்சி அனுமதியுடன் அதற்குரிய குடிநீர் கட்டணத்தினை செலுத்தி பெற்றுக்கொள்ளவும், பயன்படுத்தப்பட்டு வெளியேறும் கழிவுநீரை, மறுசுழற்சி மூலம் சுத்[illegible]தப்பட்டு,

தலைவர் / செயல் அலுவலர்
வையாவூர் ஊராட்சி
மதுராந்தகம் ஊராட்சி ஒன்றி[illegible]

தங்களது மருத்துவ அறிவியல் மற்றும் ஆராய்ச்சி மையத்தின் கழிவறை மற்றும் பசுமை தோட்டங்களுக்கு பயன்படுத்தியது போக எஞ்சிய 225.5 KLD சுத்திகரிக்கப்பட்ட கழிவுநீரைபசுமை போர்வை மேம்பாடு, சாலையோர மரங்கள் மற்றும் பூங்காக்களுக்கு பராமரித்தல் பணிகளுக்கு பயன்படுத்தி கொள்ள, கீழ்கண்ட நிபந்தனைகளுக்கு உட்பட்டு பயன்படுத்ததெரிவிக்கப்படுகிறது.

நிபந்தனைகள்

சுத்திகரிக்கப்பட்ட கழிவுநீரைபசுமை போர்வை மேம்பாடு, சாலையோர மரங்கள் மற்றும் பூங்காக்களுக்கு பராமரித்தல் பணிகளுக்கு ஆகும் செலவுகளை உங்களது சொந்த செலவில் மேற்கொள்ள வேண்டும்.

நன்றி

இப்படிக்கு

தலைவர் / செயல் அலுவலர்
வையாவூர் ஊராட்சி
மதுராந்தகம் ஊராட்சி ஒன்றியம்
செங்கல்பட்டு மாவட்டம்

Annexure 3
Form V

Karpaga Vinayaga Educational Trust

Regd. Office :
3108, East Second Street,
PUDUKKOTTAI - 622 001. TAMILNADU.

Communication Address :
G.S.T. Road, Chinna Kolambakkam (Po.),
Madhuranthagam (Tk.) Chengalpattu Dt. - 603 308.
Phone : 044 7156 5100 to 7156 5299
website : www.kims.edu.in / E-mail : finance@kims.edu.in

Date : 28.11.2025

To

The District Environmental Engineer,
Tamil Nadu Pollution Control Board,
Maraimalai Nagar,
Chengalpattu District, 603209

Dear Sir,

Sub: Submission of Environmental Statement (Form V)

Ref: Proceedings No. T2/TNPCB/F.2929MMN/RL/MMN/A&W/2024 Dated: 28.08.2024

Our Educational Institution and Hospital in the name of M/s. Karpaga Vinayaga Educational Trust located at S.F.No. 42/4A,43/4,49/1,2,3,4,50/1,3 & 51/4B,53/2 ofNo.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, Pazhayanur Village, MaduranthagamTaluk, Chengalpattu District.

We here with submit our Environmental statement for the FY 2024 – 2025 and request your goodself office to acknowledge the same.

Yours Faithfully,

For KARPAGA VINAYAGA EDUCATIONAL TRUST

For M/s. Karpaga Vinayaga Educational Trust

Authorized Signatory Trustee

28 NOV 2025

ENVIRONMENTAL STATEMENT

FORM V

(See rule 14 of Environment (Protection) Rules, 1986)

Environmental statement for the financial year ending the 31st March 2025

PART - A

(i) Name and Address of the owner/occupier of the industry operation or process:	Dr.Annamalai Managing Director Karpaga Vinayaga Educational Trust 108/, Chinnakolambakkam,Palaiyanur Post,Kancheepuram Dist..
(ii) Industry category Primary – (STC Code) Secondary – (SIC Code)	1063-Building and construction projects [i. having built up area more than 20,000 sq.m and having waste water generation 100 KLD and above] [ii. having built up area upto 20,000 sq.m and having waste water generation 100 KLD and above]
(iii) Production capacity – Units	Educational Institution with Hospital
(iv) Year of Establishment	2001
(v) Date of last environmental statement submitted	-

PART – B

Water consumption m^3/day	**During the previous financial year (2023-24)**	**During the current financial year (2024-25)**
WC-II: Domestic	**545**	**549**

Product output

Name of Products	**During the previous financial year (2023-24)**	**During the current financial year (2024-25)**
Educational Institution with Hospital	Not applicable as the project is Educational Institutionwith Hospital.	

(ii) Raw material consumption -

Name of raw materials	**Consumption of raw material per unit of product output**	
	During the previous financial year (2023-24)	**During the current financial year (2024-25)**

For KARPAGA VINAYAGA EDUCATIONAL TRUST

Trustee

Educational Institution with Hospital.	Not applicable as the project is Educational Institution with Hospital.

* Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART – C

Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

Periodical monitoring of ambient air quality, emission from DG sets and testing of sewage is carried out to ensure the adherence the norms as specified by TNPCB.

PART – D

Hazardous Wastes
(As specified under Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008)

Hazardous wastes	Total Quantity (TPA.)	
	During the previous financial year (2023-24)	During the current financial year (2024-25)
5.1. Used Oil	0.1	0.17

PART – E
Solid Wastes

Solid wastes	Total Quantity (Kg/Day)	
	During the previous financial year (2023-24)	During the current financial year (2024-25)
Bio-Degradable Wastes	986	978
Non-Bio-degradable Waste	670	664
STP Sludge	43	38
ETP Sludge	0.75	0.72
Biomedical waste	245	243

PART – F

Please specify the characteristics (in terms of consumption of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

For KARPAGA VINAYAGA EDUCATIONAL TRUST

Trustee

Type of Waste	Quantity TPA	Characteristics	Disposal Method
5.1. Used Oil	0.17	Oily, Recyclable	Disposed through TNPCB authorized recyclers
35.3. ETP Sludge	0.26	Organic, Semi Solid	Disposed through TNPCB authorized Pre processors
Bio degradable Waste	342.3	Organic food waste	Composted within premises
Non bio degradable Waste	232.4	Plastics, packaging material	Sent to municipal waste management
STP Sludge	13.87	Organic, Semi Solid	Used as Manure for Greenbelt
Bio Medical Waste	88.69	Solid/Liquid	Disposed through CBMWTDF

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production

- Treated Sewage from STP is fully recycled and utilized for Toilet flushing, HVAC and greenbelt development, reducing fresh water demand
- Air, noise and stack emissions are regularly monitored and found to be within TNPCB Norms.
- Greenbelt Area has been enhanced using native species, contributing to microclimate regulation.
- Energy Saving measures such as LED lights, solar Panels and Solar water heater have helped in reducing power consumption.
- DG Sets installed with acoustic enclosure to attenuate noise
- Installed OWC for convert biodegradable organic waste and used as greenbelt manure
- Encouraging the use of bicycles for movement within the premises

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution

- **Existing Environmental Initiatives:**
  - **Elimination of Single Use Plastics:**
    Complete elimination of single-use plastics (less than 120 microns) from all premises, in compliance with the Plastic Waste Management Rules. Alternatives such as paper cups, Stainless Steel, glass and other single-use eco-friendly cups.
  - **Storm Water Management:**
    The rooftop runoff will be directed to recharge pits then connected to open well within project site. Existing Rain Water Harvesting Pits of 35 Nos and Existing Open Wells of 9

For KARPAGA VINAYAGA EDUCATIONAL TRUST

Trustee

Nos. Rainwater runoff from the rooftop will also be collected in rainwater collection Tank with a total capacity of 6250 m^3.

- **Solar Energy Utilization:**
  Existing rooftop solar panels are used for common area lighting, and solar water heater has also been installed, contributing to energy conservation and reduced reliance on conventional power sources.

- **Proposed Environmental Initiatives:**
  - **Storm Water Management:**
    Additionally, an aquifer of 1500 KL capacity will be established within the OSR area to collect stormwater runoff from open lands, paved areas, and greenbelt zones for groundwater recharging.
  - **Environmental Awareness Programmes:**
    Environmental awareness programmeswill be conducted in institutions and hospitals to promote sustainable practices, resource conservation, and environmentally responsible behavior among staff, students, and patients.

PART – I

Any other particulars for improving the quality of the environment

- Awareness and Conservation programmes on plantation and conservation of native species
- Minimization of vehicular movement within premises to control air and noise emissions.

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Trustee

Signature of the Occupier

Date: 28.11.2025

Place:Madhuranthagam

Annexure 4

Ambient air, Noise, DG Stack Monitoring Reports

CHENNAI
Testing redefined
TESTING LABORATORY PRIVATE LIMITED

CIN : U93000TN2000PTC043869

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TC-14314

TEST REPORT

Test Report No & Date	**CTL/CH/N-21114/2025-26 & 08.10.2025**
Sample Number	**N-21114/25-26**
Name of the Customer	**M/s. Karpaga Vinayaga Educational Trust,**
Address	P.O, GST Road, Chinna Kolambakkam, Palayanoor,Maduranthakam- 603 308.
Sample Drawn by	Laboratory
Sample Name	Ambient Air
Sample Description	**Ambient Air Quality**
Sampling Location	**NEAR ADMINISTRATIVE OFFICE (AUDITORIUM)**
Sample Drawn on	29.09.2025 & 12.15 to 20.15
Sample Received on	29.09.2025
Sampling Plan & Procedure	CTL/QSP/F-89 & IS 5182 (Part V) and (Part XIV)
Sample Quantity	1 No
Equipment used for Sampling	Respirable Dust Sampler :S.No.174-C-22
Analysis Started on	29.09.2025
Analysis Completed on	08.10.2025

ENVIRONMENTAL CONDITION:

RELATIVE HUMIDITY	58%
AMBIENT TEMPERATURE	34°C
WIND DIRECTION	WSW
WEATHER CONDITION	Clear Sky

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	NAAQS*
1	PARTICULATE MATTER ($PM_{2.5}$)	IS 5182 (Part 24)	$\mu g/m^3$	25.6	60
2	PARTICULATE MATTER (PM_{10})	IS 5182 (Part 23)	$\mu g/m^3$	56.7	100
3	SULPHUR DIOXIDE (SO_2)	IS 5182 (Part 2)	$\mu g/m^3$	9.6	80
4	OXIDES OF NITROGEN (NO_2)	IS 5182 (Part 6)	$\mu g/m^3$	21.0	80
5	OZONE (O_3)	CTL/SOP/AIR/08	$\mu g/m^3$	25.0	180
6	LEAD (Pb)	IS 5182 (Part 22)	$\mu g/m^3$	BLQ(LOQ:0.05)	1
7	CARBON MONOXIDE (CO)	CTL/SOP/AIR/23	mg/m^3	BLQ(LOQ:1.15)	4
8	AMMONIA (NH_3)	IS 5182 (Part 25)	$\mu g/m^3$	11.0	400
9	ARSENIC (As)	CTL/SOP/AIR/06	ng/m^3	BLQ(LOQ:1.0)	6
10	NICKEL (Ni)	IS 5182 (Part 26)	ng/m^3	BLQ(LOQ:2.0)	20
11	BENZENE (C_6H_6)	IS 5182 (Part 11)	$\mu g/m^3$	BLQ(LOQ:1.0)	5
12	BENZO(a)PYRENE	IS 5182 (Part 12)	ng/m^3	BLQ(LOQ:0.5)	1

*National Ambient Air Quality Standards

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

END OF REPORT

Verified by

For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

G.MANIKANDAN
SENIOR MANAGER
(CHEMICAL)

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India

Phone : +91-44-2250 1757 | E-mail : chennaitesting@chennaitestinglab.com www.ctllabs.in

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CIN : U93000TN2000PTC043869

TC-14314

TEST REPORT

Test Report No & Date	**CTL/CH/N-21120/2025-26 & 08.10.20**
Sample Number	**N-21120/25-26**
Name of the Customer	**M/s. Karpaga Vinayaga Educational Trust**
Address	P.O, GST Road, Chinna Kolambakkam, Palayanoor,Maduranthakam- 603 308.
Sample Drawn by	Laboratory
Sample Name	Noise
Sample Description	**AMBIENT NOISE**
Sample Drawn on	29.09.2025
Sampling Plan & Procedure	CTL/QSP/F-89 & IS 9989
Equipment used for Sampling	Sound Level Meter Instrument S.NO:554062

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	LOCATION	NOISE LEVEL dB (A)Leq	LIMITS*	NOISE LEVEL dB (A) Leq	LIMITS*
		Day Noise		Night Noise	
1	NEAR ADMINISTRATIVE OFFICE (AUDITORIUM)	47.8	55	38.2	45

* CPCB Limits (Day &Night Time)

END OF REPORT

Verified by

For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

G.MANIKANDAN
SENIOR MANAGER
(CHEMICAL)

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CIN : U93000TN2000PTC043869

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TEST REPORT

Test Report No & Date	**CTL/CH/N-21119/2025-26 & 08.10.2025**
Sample Number	**N-21119/25-26**
Name of the Customer	**M/s. Karpaga Vinayaga Educational Trust,**
Address	P.O, GST Road, Chinna Kolambakkam, Palayanoor,Maduranthakam- 603 308.
Sample Drawn by	Laboratory
Sample Name	NOISE
Sample Description	**NOISE - DG**
Sample Drawn on	29.09.2025
Sampling Plan & Procedure	CTL/QSP/F-89 & IS 9989
Equipment used for Sampling	Sound Level Meter S.No:554062

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

S. NO	LOCATION	dB(A)	Insertion loss Difference dB(A)	LIMITS
1	DG SET 140 KVA (WITH OUT ACOUSTIC)	101.3	28.7	> 25 dB(A)
	DG SET 140 KVA (WITH ACOUSTIC)	72.6		
2	DG SET 320 KVA (WITH OUT ACOUSTIC)	101.0	27.2	
	DG SET 320 KVA (WITH ACOUSTIC)	73.8		
3	DG SET 180 KVA - I (WITH OUT ACOUSTIC)	96.0	25.5	
	DG SET 180 KVA - I (WITH ACOUSTIC)	70.5		
4	DG SET 160 KVA - II (WITH OUT ACOUSTIC)	98.6	25.6	
	DG SET 160 KVA - II (WITH ACOUSTIC)	73.0		

Note: The Acoustic enclosure or acoustic treatment of the room shall be desined for minimum 25 db(A) insertion loss or for meeting the ambient noise standards,

*****END OF REPORT*****

Verified by

For Chennai Testing Laboratory Pvt ltd

Authorised Signatory

G.MANIKANDAN
SENIOR MANAGER
(CHEMICAL)

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TC-14314

TEST REPORT

Test Report No & Date	**CTL/CH/N-21116/2025-26 & 08.10.2025**
Sample Number	**N-21116/25-26**
Name of the Customer	**M/s. Karpaga Vinayaga Educational Trust,**
Address	P.O, GST Road, Chinna Kolambakkam, Palayanoor,Maduranthakam- 603 308.
Sample Drawn by	Laboratory
Sample Name	Stack Emission
Sample Description	**Stack**
Sampling Location	**Stack attached with DG SET 320 KVA**
Sample Drawn on	29.09.2025
Sample Received on	29.09.2025
Sampling Plan & Procedure	CTL/QSP/F-89 & IS 11255
Sample Quantity	1 No
Equipment used for Sampling	Stack Kit S.No.288 DTI 2020
Analysis Started on	29.09.2025
Analysis Completed on	08.10.2025

PHYSICAL PARAMETERS:

STACK TEMPERATURE (K)	488.0
STACK VELOCITY (m/s)	16.2
STACK GAS FLOW RATE (Nm^3/hr)	627.1
DIAMETER OF STACK AT PORTHOLE (m)	0.15
*APCM STATUS AT THE TIME OF SAMPLING	Nil

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHOD	UNITS	RESULTS	LIMITS
1	OXIDES OF NITROGEN NOx(as NO_2)	IS 11255 PART 7	g/kw-hr	0.926	≤ 4.0
			mg/Nm^3	378	-
2	SULPHUR DIOXIDE (SO_2)	IS 11255 PART 2	mg/Nm^3	20	NA
3	PARTICULATE MATTER(PM)	IS 11255 PART 1	g/kw-hr	0.123	≤ 0.2
			mg/Nm^3	50.1	-
4	CARBON MONOXIDE (CO)	CTL/SOP/STACK/10 (Flue Gas Analyser)	g/kw-hr	0.294	≤ 3.5
			mg/Nm^3	120	-

*Air Pollution Control Measures

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification.

LIMITS - EMISSION LIMITS FOR NEW DIESEL ENGINES (UPTO 800 KW) FOR GENERATOR SETS

END OF REPORT

Verified by

For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

G.MANIKANDAN
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(CHEMICAL)

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TC-14314

TEST REPORT

Test Report No & Date	**CTL/CH/N-21117/2025-26 & 08.10.2025**
Sample Number	**N-21117/25-26**
Name of the Customer	**M/s. Karpaga Vinayaga Educational Trust,**
Address	P.O, GST Road, Chinna Kolambakkam, Palayanoor,Maduranthakam- 603 308.
Sample Drawn by	Laboratory
Sample Name	Stack Emission
Sample Description	**Stack**
Sampling Location	**Stack attached with DG SET 180 KVA - I**
Sample Drawn on	29.09.2025
Sample Received on	29.09.2025
Sampling Plan & Procedure	CTL/QSP/F-89 & IS 11255
Sample Quantity	1 No
Equipment used for Sampling	Stack Kit S.No.288 DTI 2020
Analysis Started on	29.09.2025
Analysis Completed on	08.10.2025

PHYSICAL PARAMETERS:

STACK TEMPERATURE (K)	451.0
STACK VELOCITY (m/s)	15.9
STACK GAS FLOW RATE (Nm^3/hr)	296
DIAMETER OF STACK AT PORTHOLE (m)	0.1
*APCM STATUS AT THE TIME OF SAMPLING	Nil

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHOD	UNITS	RESULTS	LIMITS
1	OXIDES OF NITROGEN NOx(as NO_2)	IS 11255 PART 7	g/kw-hr	0.567	≤ 4.0
			mg/Nm^3	276	-
2	SULPHUR DIOXIDE (SO_2)	IS 11255 PART 2	mg/Nm^3	17	NA
3	PARTICULATE MATTER(PM)	IS 11255 PART 1	g/kw-hr	0.096	≤ 0.2
			mg/Nm^3	46.6	-
4	CARBON MONOXIDE (CO)	CTL/SOP/STACK/10 (Flue Gas Analyser)	g/kw-hr	0.236	≤ 3.5
			mg/Nm^3	115	-

*Air Pollution Control Measures

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification.

LIMITS - EMISSION LIMITS FOR NEW DIESEL ENGINES (UPTO 800 KW) FOR GENERATOR SETS

END OF REPORT

Verified by

For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

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CIN : U93000TN2000PTC043869

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TC-14314

TEST REPORT

Test Report No & Date	**CTL/CH/N-21118/2025-26 & 08.10.2025**
Sample Number	**N-21118/25-26**
Name of the Customer	**M/s. Karpaga Vinayaga Educational Trust,**
Address	P.O, GST Road, Chinna Kolambakkam, Palayanoor,Maduranthakam- 603 308.
Sample Drawn by	Laboratory
Sample Name	Stack Emission
Sample Description	**Stack**
Sampling Location	**Stack attached with DG SET 160 KVA - II**
Sample Drawn on	29.09.2025
Sample Received on	29.09.2025
Sampling Plan & Procedure	CTL/QSP/F-89 & IS 11255
Sample Quantity	1 No
Equipment used for Sampling	Stack Kit S.No.288 DTI 2020
Analysis Started on	29.09.2025
Analysis Completed on	08.10.2025

PHYSICAL PARAMETERS:

STACK TEMPERATURE (K)	468.0
STACK VELOCITY (m/s)	15.7
STACK GAS FLOW RATE (Nm^3/hr)	281.7
DIAMETER OF STACK AT PORTHOLE (m)	0.1
*APCM STATUS AT THE TIME OF SAMPLING	Nil

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHOD	UNITS	RESULTS	LIMITS
1	OXIDES OF NITROGEN NOx(as NO_2)	IS 11255 PART 7	g/kw-hr	0.522	≤ 4.0
			mg/Nm^3	237	-
2	SULPHUR DIOXIDE (SO_2)	IS 11255 PART 2	mg/Nm^3	15	NA
3	PARTICULATE MATTER(PM)	IS 11255 PART 1	g/kw-hr	0.088	≤ 0.2
			mg/Nm^3	40.0	-
4	CARBON MONOXIDE (CO)	CTL/SOP/STACK/10 (Flue Gas Analyser)	g/kw-hr	0.229	≤ 3.5
			mg/Nm^3	104	-

*Air Pollution Control Measures

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification.

LIMITS - EMISSION LIMITS FOR NEW DIESEL ENGINES (UPTO 800 KW) FOR GENERATOR SETS

END OF REPORT

Verified by

For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

G.MANIKANDAN
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Annexure 5

Six Compliance submission Acknowledgement

Your (Half Yearly Compliance Report) has been Submitted with following details

Proposal No	SEIAA-TN/F 440/2010
Compliance ID	1201033978
Compliance Number(For Tracking)	EC/M/COMPLIANCE/1201033978/2026
Reporting Year	2025
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	07-01-2026
RO/SRO Name	V Geroge Jenner
RO/SRO Email	tr025@ifs.nic.in
State	TAMIL NADU
RO/SRO Office Address	Integrated Regional Offices, Chennai

Note:- SMS and E-Mail has been sent to V Geroge Jenner, TAMIL NADU with Notification to Project Proponent.

Gmail in:sent

Compose

Inbox 5
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Labels

1 of 3

Six month compliance submission for December 2025

KVET 2025 <kvet2025@gmail.com> 5:00 PM (0 minutes ago)
to envcompseiaatn

Sub: Proposed expansion in Construction of Institutional Buildings by M/s. **KARPAGA VINAYAGA EDUCATIONAL TRUST** located at S. No: 42/4A,43/4, 49/1,2,3,4, 50/1,2,3, 51/4B, 53/2, of No:24, Palayanoor, Kolambakkam Village and S. No: 94/2B2B, 2C, 3B, 4B2, 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, 2A1, 112/1, 2, 3, 4, 5, 113, 114/1, 2, 3, 4, 5, 6, 7, 115, 116/1,2A,2B,119/ 1A1,1B,1C,1F1,1F2,1G2, 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, Moosivakkam village, Madhuranthagam Taluk, Chengalpattu District., Tamil Nadu – 603308- **Submission of Six Monthly Compliance Report of Environmental Clearance – December 2025-reg.**

Ref: 1. EC Letter No: SEIAA/TN/F.440/2011/EC/8(a)/605/2018

Dear Sir,

We have obtained Environmental Clearance for Proposed expansion in Construction of Institutional Buildings to be built in the land area of 2,83,849.81Sq.m & the total builtup area is 1,24,667 Sq.m. We herewith submit the Six Monthly Compliance Report of Environmental Clearance for the period: December 2025 for your kind perusal.

Thanking you
Yours faithfully
M.Daniel

3 Attachments • Scanned by Gmail Add all to Drive

Covering Letter-S.

Six month EC co...

EC Annexures.pdf

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Annexure 6
Environmental Management Cell

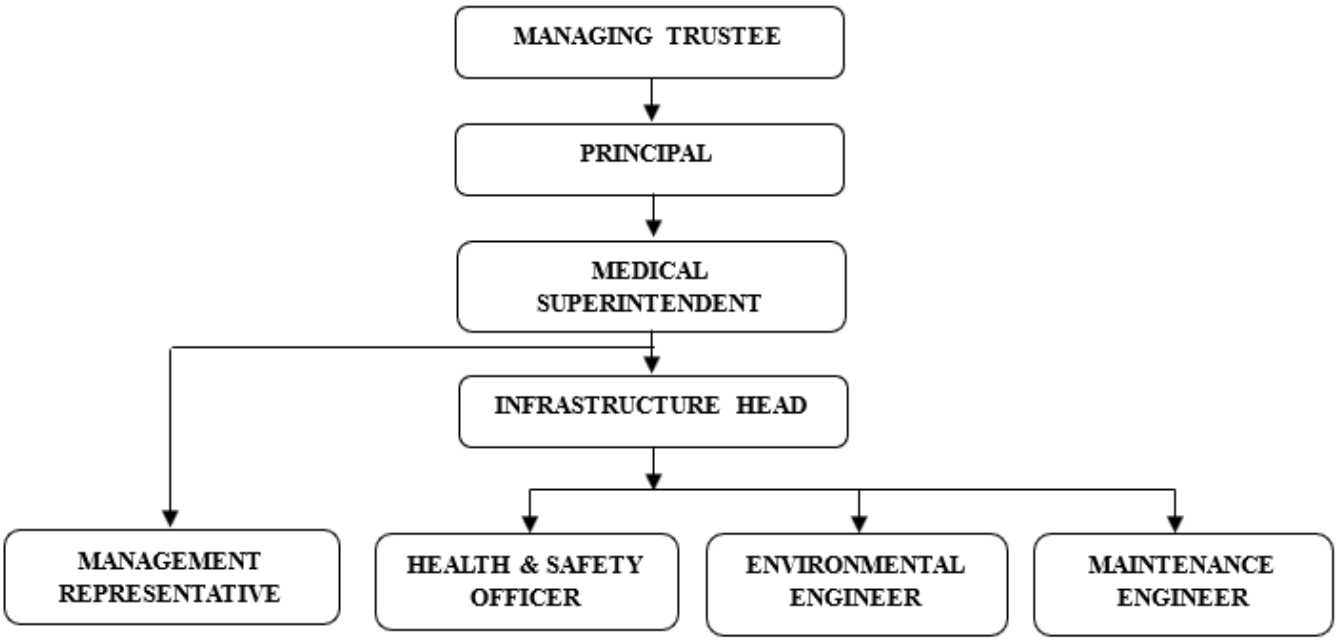
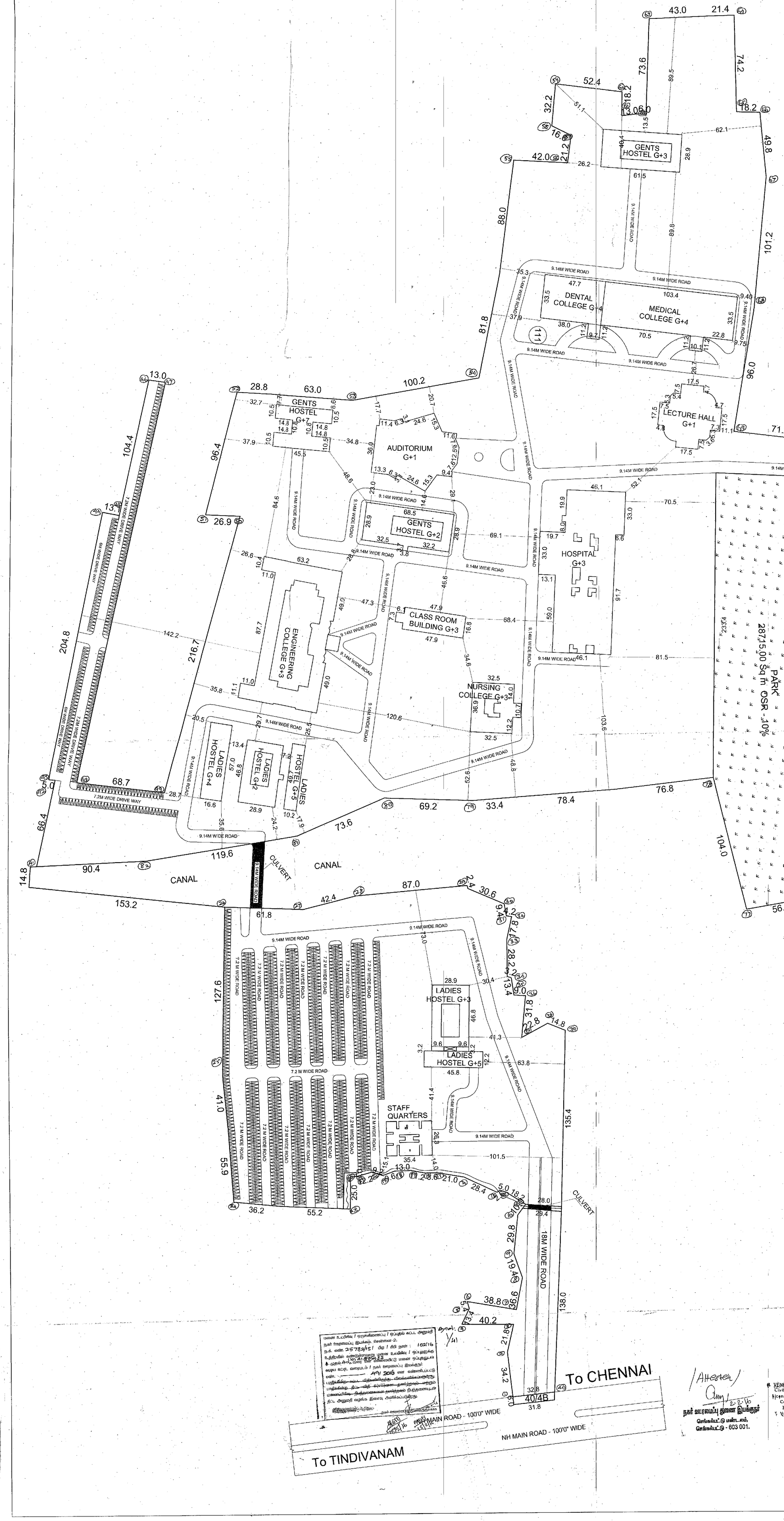


Table 36 Responsibility for EMP implementation

S. No	Organization Role	Responsibility
1	Managing Trustee	Decision-maker on applicable policies. Oversee Implementation of EMP. Implementation of all the environment conditions as specified in the Environment Clearance Letter/Consent Letters & Environment norms as amended by MOEF&CC time to time. To apply for various awards/rewards by Government of India.
2	Principal	Principal academic and executive officer for developmental of academic programmes Entitled to be present and speak in any meeting of any other authority or committee. Ensure directions issued by chancellor are strictly complied and implemented.
3	Medical Superintendent	Establishing & applying quality benchmarks Facilitating learner-centric environment Ensures the institution adheres to quality standards. Co-ordinating with different departments for continuous improvements Preparing and submitting Annual Quality Assurance Report highlighting institution quality initiatives and achievements.
4	Infrastructure Head	Liaison with the Government officials regarding the Environment Clearance, Consents etc. Overall responsibility for EMP implementation during the construction and operating phase. Review reports of the Environmental Monitoring Consultant (EMC).
	Management Representative	Coordinating data collection from different departments, analyzing feedback received from stakeholders. Conducting periodic academic and administrative audits to assess the effectiveness of the programs including EMP implemented.

S. No	Organization Role	Responsibility
5		Agreement with the vendors recognized by Tamil Nadu Pollution Control Board for E-waste management, Solid Waste Management, Hazardous Waste Management and Bio medical waste management. Overall supervisory role during the construction phase. Responsible for changes to the EMP as part of an adaptive approach to environmental and social management. Form filling and waste return filing at regular intervals. Submission of environmental performance report of the project to MoEF&CC. Initiate corrective and preventive action for deviation in environmental compliances in consultation with Infrastructure Head. Reporting the project compliance to MoEF&CC regarding EMP performance as part of an overall commitment to continual improvement.
6	Health & Safety Officer	Responsible for overall health & Safety practices in the institution. Implementation of best practices related to health & safety of the stake holders in the institution. Assisting contractors with implementation of Health & Safety requirements. Conducting perifocal Health & safety awareness program for the Staffs & Workers during construction & Operation phase. Periodical Review of safety practices and reporting any kind of deviation observed to the infrastructure head. Initiate corrective and preventive action for deviation in Health & Safety compliances in consultation with Infrastructure Head.
7	Environmental Engineer	Oversight, implementation, monitoring and compliance of the EMP and any approval conditions, including construction, supervision and performance of all staff, contractors and all subcontractors Review of EMP performance and implementation of correction action, or stop work procedures, in the event of breaches of EMP conditions, that may lead to serious impacts on local communities, or affect the reputation of the project. Assisting the contractors with implementation of EMP sub-plans Organizing Environment week and relating awareness programs. Preparation of environmental performance report. Reporting regarding any kind of deviation to Infrastructure head. Ensuring adequate training and education of all staffs those involved in environmental supervision
8	Maintenance Engineer	Operation and maintenance of STP and ETP through operators Maintenance of landscape and green area and guidance to gardeners. Managing human resources for environment department. Working under the guidance of environment engineer to implement all the mandatory compliance & other measures for betterment of environment. Supervision of contractor performance of implementation of the Construction. Implementation of all the measures being suggested during the audit. Reporting of deviation observed on the site, if any. Reporting any incidents or non-compliance with the EMP to the TNPCB. Ensuring adequate training and education of all staffs those involved in environmental supervision. Report to project manager/environmental officer on project compliance with environmental and social commitments in the EMP, EIA and other applicable standards.

Annexure 7
Approved Plan and Land use NOC



W
SOUTH NORTH
E

PLAN SHOWING THE KARPAGA VINAYAGA EDUCATIONAL TRUST BUILDINGS, AT G.S.T ROAD,S.NOS. 42/4A,43/4,49/1,2,3,4, 50/1,3, 51/4B, 53/2, OF NO:24,PALAYANOOR,KOLAMBAKKAM VILLAGE AND S.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, MOOSIVAKKAM VIILAGE, MADHURNATHAGAM TALUK, KANCHEEPURAM DISTRICT.

SPECIFICATIONS:

- FOUNDATION CONCRETE IN PCC 1:4:8, OVER SAND FILLING.
- SAND FILLING FOR BASEMENT AND BELOW FOUNDATION.
- BRICK WORK IN CM 1:6 USING CLASS ONE BRICKS.
- ALL RCC ITEMS IN CC 1:1.5:3 WITH NECESSARY REINFORECEMENT.
- FLOORING CONCRETE IN PCC 1:4:8 FINISHING WITH TILES.
- ROOF SHALL BE OF RCC SLAB IN RCC 1:1.5:3 AND AC SHEET
- ROOFING WITH STEEL TUBLAR TRUSS & PURLINS AS SHOWN
- PLASTERING IN CM 1:4, FINISHING WITH WHITE AND COLOUR WASH
- JOINERY IN BEST COUNTRY/TEAK WOOD AND IN STEEL GRILL WORKS.

AREA DETAILS

SITE AREA 283849.81 Sqm.

STAFF QUARTERS

AREA DETAILS	sqm.
GROUND FLOOR AREA	805.52
FIRST FLOOR AREA	832.42
SECOND FLOOR AREA	832.42
THIRD FLOOR AREA	832.42
FOURTH FLOOR AREA	832.42
FIFTH FLOOR AREA	832.42
Total	4967.62

LADIES HOSTEL - 1 (G+5)

AREA DETAILS	sqm.
GROUND FLOOR AREA	558.35
FIRST FLOOR AREA	545.03
SECOND FLOOR AREA	545.03
THIRD FLOOR AREA	545.03
FOURTH FLOOR AREA	545.03
FIFTH FLOOR AREA	545.03
Total	3283.5

LADIES HOSTEL-2 (G+5)

AREA DETAILS	sqm.
GROUND FLOOR AREA	421.11
FIRST FLOOR AREA	542.07
SECOND FLOOR AREA	542.07
THIRD FLOOR AREA	542.07
FOURTH FLOOR AREA	542.07
FIFTH FLOOR AREA	542.07
Total	3131.46

LADIES HOSTEL G+3

AREA DETAILS	sqm
GROUND FLOOR AREA	1009.42
FIRST FLOOR AREA	1001.00
SECOND FLOOR AREA	1001.00
THIRD FLOOR AREA	1001.00
Total	4012.42

LADIES HOSTEL G+2

AREA DETAILS	sqm.
GROUND FLOOR AREA	1001.00
FIRST FLOOR AREA	1001.00
SECOND FLOOR AREA	1001.00
Total	3003.00

LADIES HOSTEL G+4

AREA DETAILS	sqm
GROUND FLOOR AREA	946.83
FIRST FLOOR AREA	965.55
SECOND FLOOR AREA	965.55
THIRD FLOOR AREA	965.55
FOURTH FLOOR AREA	965.55
Total	4809.03

NURSING COLLEGE

AREA DETAILS	sqm.
GROUND FLOOR AREA	1143.96
FIRST FLOOR AREA	1078.89
SECOND FLOOR AREA	1078.89
THIRD FLOOR AREA	1078.89
Total	4380.63

CLASS ROOM BUILDING

AREA DETAILS	sqm.
GROUND FLOOR AREA	842.91
FIRST FLOOR AREA	798.32
SECOND FLOOR AREA	798.32
THIRD FLOOR AREA	798.32
Total	3237.87

ENGINEERING BLOCK G+3

AREA DETAILS	sqm
GROUND FLOOR AREA	3648.26
FIRST FLOOR AREA	3603.88
SECOND FLOOR AREA	3596.03
THIRD FLOOR AREA	3624.80
Total	14472.97

GENTS HOSTEL G+2

AREA DETAILS	sqm.
GROUND FLOOR AREA	1431.66
FIRST FLOOR AREA	1431.66
SECOND FLOOR AREA	1431.66
Total	4294.98

GENTS HOSTEL G+7

AREA DETAILS	sqm
GROUND FLOOR AREA	1080.32
FIRST FLOOR AREA	1080.32
SECOND FLOOR AREA	1080.32
THIRD FLOOR AREA	1080.32
FOURTH FLOOR AREA	1080.32
FIFTH FLOOR AREA	1080.32
SIXTH FLOOR AREA	1080.32
SEVENTH FLOOR AREA	1080.32
Total	8642.56

AUDITORIUM BUILDING

AREA DETAILS	sqm.
GROUND FLOOR AREA	2728.15
FIRST FLOOR AREA	320.74
Total	3048.89

LECTURE HALL

AREA DETAILS	sqm.
GROUND FLOOR AREA	1655.43
FIRST FLOOR AREA	1579.89
Total	3235.32

GENTS HOSTEL G+3

AREA DETAILS	sqm.
GROUND FLOOR AREA	1227.39
FIRST FLOOR AREA	1157.00
SECOND FLOOR AREA	1157.00
THIRD FLOOR AREA	1157.00
Total	4698.39

MEDICAL & DENTAL COLLEGE G+4

AREA DETAILS	sqm.
GROUND FLOOR AREA	5081.34
FIRST FLOOR AREA	4947.28
SECOND FLOOR AREA	4947.28
THIRD FLOOR AREA	4947.28
FOURTH FLOOR AREA	4947.28
Total	24870.46

HOSPITAL BUILDING G+3

AREA DETAILS	sqm.
GROUND FLOOR AREA	5900.16
FIRST FLOOR AREA	5531.72
SECOND FLOOR AREA	5531.72
THIRD FLOOR AREA	5531.72
Total	22495.32

GRAND TOTAL AREA	116601.26
PLOT COVERAGE	29648.39 / 283849.81 - 10.44%
FSI	116601.26 / 283849.81 - 0.41
TOTAL NO OF BEDS	570 NOS
BEDED AREA	1,2,3 floors(Hospital) 16595.16 Sqm
NON BEDED AREA	100006.16 Sqm
BEDED AREA PARKING	570/15 = 38 nos
NON BEDED AREA PARKING	100006.16/100 = 1000 nos
TOTAL CAR PARKING REQUIRED	1000+38 = 1038 nos
CAR PARKING PROVIDED	1230 nos

SCALE - 1: 1000

For KARPAGA VINAYAGA EDUCATIONAL TRUST,

Trustee

OWNER SIGNATURE

Ms. ANUSHYA M.S.S. M. Arch
Registered Architect
Council of Architects
CA / 2010 / 47799
38/74, Bazullah Road
T. Nagar, Chennai - 600 017.

ARCHITECT SIGNATURE

VENKATA SUBBA RAO, B.E., M.I.E.
Civil and Structural Engineer
Licensed Surveyor, Class-I (99)
Corporation of Chennai
38/74, Bazullah Road,
T. Nagar, Chennai - 600 017

Attested
2.2.16
நகர் ஊரமைப்பு துணை இயக்குநர்
செங்கல்பட்டு மண்டலம்,
செங்கல்பட்டு - 603 001.

COLOUR CODE REFERENCE

PROPOSED	
EXISTING	
ROAD	
SITE BOUNDRY	

ந.க.1790/2017/ஆ1
நாள் 13.06.2018

மாவட்ட ஆட்சியர் அலுவலகம்
காஞ்சிபுரம்

தடையின்மைச் சான்று

காஞ்சிபுரம் மாவட்டம், மதுராந்தகம் வட்டம், செ.நெற்குணம் கிராமம் நன்செய் புல எண்.109/3 மற்றும் சில மற்றும் செ.24 மதுராந்தகம் மதுரா கொளம்பாக்கம் கிராமம் நன்செய் புல எண்கள் 42/4 மற்றும் சில மொத்தம் 21.86.7 ஹெக்டேர் நன்செய் நிலத்திற்கு திரு கற்பக விநாயகா கல்வி அறக்கட்டளை நிர்வாகி திரு Dr.M. அண்ணாமலை தடையின்மை சான்று கோரி விண்ணப்பித்துள்ளதன் பேரில் கீழ்க்கண்டவாறு தடையின்மைச் சான்று அளிக்கப்படுகிறது. மேற்படி மனுதாரர் தடையின்மைச்சான்று கோரும் புலங்கள் கிராம கணக்குகளில் பின்வருமாறு பட்டாவாக தாக்கலாகியுள்ளது.

நெற்குணம் கிராமம்

வ.எண்	புல எண்	விஸ்தீரணம்	வகைபாடு	பட்டா எண்	பட்டாதாரர் பெயர்
1	112/1	0.16.50	நன்செய்	327	கற்பக விநாயகா கல்வி அறக்கட்டளை
2	112/2	0.14.50			
3	112/3	0.17.00			
4	112/4	0.34.0			
5	114/1	0.51.0			
6	114/2	0.32.0			
7	114/3	0.23.0			
8	114/5	0.18.0			
9	115	2.87.0			
10	116/1	0.44.0			
11	127/3	0.35.0			
12	127/4	0.18.0			
13	109/3அ1	0.37.0			
14	109/3அ2	0.02.0			
15	109/4	0.94.0			
16	110/3	0.56.5			
17	110/5	0.57.0			
18	116/2அ	1.29.5			
19	116/2ஆ	1.32.5			
20	127/1	0.14.0			
21	127/2	0.06.0			
22	127/5	0.14.0			
23	127/6	0.14.0			
	மொத்தம்	11.68.30			

24	109/1ඇ	0.75.0			
25	109/2ආ2	0.03.0			
26	110/1	0.47.0			
27	110/2	0.48.5			
28	110/4	0.50.5			
29	111/1ආ1	0.14.0			
30	111/1ආ2	0.13.5			
31	111/1ඉ	0.28.0			
32	111/1ඒ	0.27.0			
33	111/1ඔ1	0.06.5			
34	111/1ඔ2	0.07.0			
35	111/1ක	0.13.5	[illegible]	333	[illegible]
36	111/1ඛ	0.39.5			
37	113/2ඒ	0.21.0			
38	112/5	1.05.0			
39	113	0.26.5			
40	114/6	0.54.5			
41	114/7	0.13.0			
42	119/1ආ1	0.23.5			
43	119/1ඉ	0.38.5			
44	119/1ආ2	0.20.0			
45	119/1ක2	0.25.0			
46	119/2ආ	0.25.0			
47	128/1	0.33.5			
48	128/2	0.38.5			
49	128/3	0.30.0			
50	128/4	0.32.0			
51	130/1ඇ	0.14.0			
52	130/1ඉ	0.19.0			
53	130/1ඌ	0.14.5			
54	130/1ඔ	0.19.0			
55	106/1	0.81.0			
56	109/2ආ1	0.33.0			
57	114/4	0.17.5			
58	119/1ඔ	0.38.5	[illegible]	333	
59	129/3	0.31.0			

60	131/7ஏ	0.04.5			கற்பக விநாயக கல்வி அறக்கட்டளை
61	131/7பி	0.04.0			
62	131/5	0.03.0			
63	131/6	0.05.5			
	மொத்தம்	11.27.00			
64	111/2ஏ	0.18.2	நன்செய்	605	கற்பக விநாயக எஜுகேஷனல் டிரஸ்ட்
65	109/1பி	0.11.0	நன்செய்	583	கற்பக விநாயக எஜுகேஷனல் டிரஸ்ட்
66	109/2ஏ3	0.06.5			
67	109/1ஏ3	0.05.5			
	மொத்தம்	0.23.0			
68	94/2சி	0.18.5	நன்செய்	600	கற்பக விநாயக கல்வி அறக்கட்டளை
69	94/3பி	0.12.0			
	மொத்தம்	0.30.5			
70	94/2பி2பி	0.21.0	நன்செய்	327	கற்பக விநாயக கல்வி அறக்கட்டளை
71	94/4பி2	0.18.0			
	மொத்தம்	0.39.0			
மொத்த விஸ்தீரணம்		24.09.0			
		மேற்படி 24 மாநகராட்சி சர்வேயில்			
72	42/4ஏ	0.46.0	நன்செய்	893	கற்பக விநாயகர் கல்வி அறக்கட்டளை
73	43/4	0.52.0			
74	49/1	0.28.0			
75	49/2	0.40.0			
76	49/3	0.87.0			
77	49/4	0.58.5			
78	50/1	0.29.5			
79	50/2	0.29.5			
80	50/3	0.16.5			
81	55/2	2.09.0			
	மொத்தம்	5.96.0			
மொத்த விஸ்தீரணம்		29.66.5			

நிபந்தனைகள்

1.	மனுதாரரின் மேல்கண் நன்செய் நிலங்களாக உள்ளதால் அவற்றில் வீட்டுமனைப் பிரிவுகள் அமைக்க நில வகைமாற்றம் செய்யப்பட வேண்டும்
2.	மனுதாரரின் தடையின்மைச் சான்று கோரும் நிலங்களுக்கு மேற்கு திசையில் அமைந்துள்ள கொளம்பாக்கம் ஓடையின் மூலம் எதிர்காலத்தில் நீர் மூழ்கலை பாதிப்பிலிருந்து தவிர்க்கும் பொருட்டும், மனுதாரரின் நிலங்களின் தற்போதைய நில மட்டத்தினை நில புலி அமைப்பிற்கு ஏற்றவாறு (+) 26.000 மீ முதல் 25.700 மீ மட்ட அளவுகளில் கொளம்பாக்கம் ஓடையின் உச்ச நீர் மட்ட அளவிற்கு மேல் 1.60 மீ உயரத்திற்கும் மற்றும் தேசிய நெடுஞ்சாலை மட்ட அளவுக்கு மண் கொட்டி சீராக தட்டவகையில் உள்ளவாறு நிரப்பப்பட வேண்டும். அதாவது 0.005 மீ முதல் அதிகபட்சமாக 1.970 மீ உயரத்திற்கு மாறுபட்ட அளவில் மண் கொட்டி சமப்படுத்திடல் வேண்டும்.
3.	மனுதாரரின் நிலங்களின் நில அமைப்பிற்கு ஏற்கெனவே கிராமத்தில் அமைந்துள்ள புல எண்களில் மேற்கு திசையிலிருந்து கிழக்கு திசை நோக்கியும், பழையனூர் கிராம புல எண்களில் கிழக்கு திசையிலிருந்து மேற்கு திசை நோக்கி சரிவு ஏற்படுத்தி ஒரு பிரதான நீர் வடிப்புக்கால்வாய் (Catchment Drain) 1.20 மீ X 0.90 மீ அளவுகளில் மனுதாரரின் நிலங்களுக்கு சற்றுமுன்னும் முழுவதும் அமைக்கப்பட்டு அதில் கிடைக்கப்பெறும் மழை நீர் மனுதாரரின் நிலங்களுக்கு மத்தியில் செல்லும் கொளம்பாக்கம் ஓடையில் சேரும் வண்ணம் அமைக்கப்பட வேண்டும். மேலும் இந்நிறுவனங்களுக்குள் உட்கால்வாய்கள் 0.60 X 0.90 மீ அளவுக்கு அமைக்கப்பட்டு அதை பிரதான கால்வாயில் இணைக்கப்பட வேண்டும்.
4.	மனுதாரரால் தன் சொந்த செலவில் மழை நீர் சேகரிப்பு அமைப்பு வசதியினை செய்து கொள்ளப்பட வேண்டும்.
5	மனுதாரரின் நிலத்திற்கு மத்தியில் உள்ள பழையனூர் புல எண்.45,48,42/1 ல் உள்ள ஓடை மற்றும் கால்வாய் புறம்போக்கு, மனுதாரரின் நிலத்திற்கு நடுவில் உள்ள பழையனூர் புல எண். 47ன் அனாதினம் புறம்போக்கு மற்றும் மேற்கு திசையில் உள்ள ஏரிவாக்கம் புல எண்.108/3,4 தரிசு புறம்போக்கு நிலங்களில் எவ்வித ஆக்கிரமிப்பு நடவடிக்கைகளும் மேற்கொள்ளப்படக்கூடாது. மேலும் கொளம்பாக்கம் ஓடையில் எவ்வித கழிவு நீரும் கலக்கக்கூடாது.

6	மனுதாரரின் நிலங்கள் முழுவதும் எல்லைக் கற்கள் பதித்து அரசு புறம்போக்கு நிலங்களில் எவ்வித ஆக்கிரமிப்பும் செய்யாமல் பராமரிக்கப்பட வேண்டும்.
7.	மனுதாரரின் நிலங்களுக்குள் செல்லும் பாதை காவல்துறை பட்டா காவல்துறையாக இருந்தாலும் இந்நிலங்களுக்கு கீழ் உள்ள பாதை நிலங்களுக்கு தண்ணீர் செல்வதற்கு ஏதுவாக 0.60 X 0.90 மீ அளவில் சிமெண்ட் கால்வாய் அமைத்து பாதை வசதி கொடுக்கப்பட வேண்டும். அவர்களுக்கு தடைகள் ஏதும் ஏற்படுத்தக்கூடாது.
8.	மனுதாரரின் நிலத்திற்குள் வரும் நீர் வந்தடைய அவரது சொந்த செலவில் ஏற்படுத்திக்கொள்ள வேண்டும்.
9.	மனுதாரரின் நிலங்களுக்கு செல்லும் பழையனூர் பிரை புல எண்.46,48 மற்றும் 47ல் புல. மற்றும் காவல்காவலில் பாதைகள் கட்ட இத்துறையின் மூலம் வழங்கப்பட அனுமதியில் படி கட்டப்பட வேண்டும். மேலும் ஒவ்வொரு வருடமும் மழை காலங்களுக்கு முன் இந்நிலங்களுக்கான மனுதாரர் அவருடைய சொந்த செலவில் தண்ணீர் சீராக செல்ல ஏதுவாக இந்நிலங்களுக்கான பராமரிக்கப்பட வேண்டும்.
10.	மனுதாரர் நிலங்களுக்கு நடுவில் உள்ள பழையனூர் புல எண்.47 அனாதினம் புறம்போக்கு நிலங்களில் எவ்வித ஆக்கிரமிப்பு நடவடிக்கை மேற்கொள்ளாமல் அரசு பயன்பாட்டிற்கு தடை ஏற்படுத்தக்கூடாது.
11.	மனுதாரரின் நிலங்களுக்கு அணுகுசாலை தேசிய நெடுஞ்சாலையிலிருந்து அமைந்துள்ளது. மனுதாரர் நிலங்களுக்கு இடையே உள்ள காவல்வாய் கடந்து செல்ல இத்துறையின் முன் அனுமதி பெறப்பட்டுள்ளது. இவ்வழிதடத்தில் உள்ளவாறு பாலங்கள் அமைக்கப்பட வேண்டும்.
12.	இத்தடையின்மை சான்றானது மனுதாரர் வழங்கிய ஆவணங்களின் அடிப்படையில் வழங்கப்படுகிறது. ஆவணங்களின் உண்மை தன்மைக்கு மனுதாரே முழு பொறுப்பாவர் என்பதை தெரிவித்துக்கொள்ளப்படுகிறது.
13.	மனுதாரரின் நிலத்தினை பொதுப்பணித்துறை அலுவலர்கள் ஆய்வு செய்திடும் பொழுது எவ்விதத்திலும் தடை ஏற்படுத்தக்கூடாது.
14	புல்செய் அனாதீனம் புல எண். 47/1, 2 ஆகியவற்றில் மேற்படி கல்வி அறக்கட்டளை நிறுவனம் எவ்வித ஆக்ரமணமும் செய்யகூடாது.
15	வருவாய்த்துறை ஆவணங்களின்படி உள்ள வாய்க்கால், சாலை போன்ற அரசு நிலத்தில் ஆக்கிரமிப்பு செய்யக்கூடாது அல்லது வேறு உபயோகத்திற்கு பயன்படுத்தக்கூடாது. மற்றும் அரசு அனாதினம் புல எண். 47 நிலங்களில் மொத்த பரப்பிற்கும், புல எண். 46 உள்ள தரை மட்டத்திற்கும் தூர்வாரி கரையை பலப்படுத்த வேண்டும்.

	இருபுறங்களிலும், இரு கரைகளிலும் சரியான மற்றும் கவர் கான்கிரீட் கட்டடம் தற்போது இருப்பது போல் நிறுவனத்தார் தன் சொந்த செலவில் அமைத்து பாதுகாக்கப்பட வேண்டும்.
16	மதுராந்தகம் வட்டம், பரையனூர் மற்றும் கொளம்பாக்கம் கிராமம், புல எண். 42/1, 46, 47 மற்றும் 48-ல் அமைந்துள்ள கால்வாயில் பொதுப்பணித்துறையினர் குறிப்பிட்டுள்ள அளவுகள் மற்றும் வரைபடத்தில் குறிப்பிட்டுள்ளவாறு தற்காலிகமாக நான்கு சிறுபாலங்கள் மட்டும் நிறுவனத்தார் தன் சொந்த செலவில் அமைக்கப்பட வேண்டும். மேற்படி நீர்வழித்தடங்களில் நிலங்களை பாதிக்கின்ற வகையில் அல்லது வேறு எவ்வித குறுக்கு கட்டிடங்கள் அனுமதியின்றி கட்டக்கூடாது.
17	மேற்படி கட்டப்படும் பாலத்தில் சொறுக்கள் செல்ல வர எவ்வித ஆட்சேபணையும் நிறுவனத்தார் செய்யக்கூடாது.
18	நிலத்தடிநீருக்கோ / பாலத்திற்கோ / வேறு நீர் ஓடையில் தங்குதடையின்றி செல்லும் வகையில் சிறுபாலத்தில் குப்பைகள் சேராதவண்ணம் அவ்வப்போது அறக்கட்டளை நிறுவனத்தாரால் பராமரிக்கப்பட வேண்டும்.
19	கற்பக வித்யா கல்வி அறக்கட்டளை நிறுவனத்திற்கு சொந்தமான இடத்தில் உள்ள பகுதிகளிலிருந்து கழிவு நீர் ஏதும் கால்வாயில் கலக்கவிடாமல் பாதுகாக்கப்பட வேண்டும். கழிவு நீர் / கந்திகேரிவு உள்கட்டமைப்பு வசதிகளை தமது நிலப்பகுதியிலேயே தனது சொந்த செலவில் அமைத்துக்கொள்ளப்பட வேண்டும்.
20	பாலத்திற்கு உண்டான அனைத்து கட்டுமானங்கள் (construction of Abutment Wing Wall, Return wall etc) யாவும் மனுதாரின் நிலப்பகுதியிலே அமைத்துக்கொள்ளப்பட வேண்டும். மேலும் வருவாய்த்துறை ஆவணங்களின்படி நீர்நிரப்பு நீர்நிலை நிலங்களில் எவ்வித கட்டுமானங்களும் செய்யக்கூடாது.
21	பாலம் மற்றும் சாலைப்பணிகள் நடைபெறும் பொழுது கரைக்கோ அல்லது கால்வாய்க்கோ சேதம் ஏற்பட்டால் அறக்கட்டளை நிறுவனம் தனது சொந்த செலவில் சீரமைத்து கொடுக்கப்பட வேண்டும்.
22.	மனையிடத்தில் கட்டப்பட்டுள்ள கட்டுமானங்களுக்கு மனையிடத்தில் கட்டப்பட்டுள்ள கட்டுமானங்களுக்கு நகர் ஊரமைப்பு துறையின் அனுமதி பெறப்பட வேண்டும்.
23.	உதிரித இடத்தில் கற்பக வித்யாக மருத்துவ கல்லூரி (ம) மருத்துவமனை (ம) இதர கல்வி நிறுவன கட்டிடங்கள் நன்செய் நில வகைமாற்ற நடைமுறைகளைச் சார்ந்து பெறும் விதிகளுக்கு முன்னரே உள்ளாட்சி அனுமதி பெற்று இயங்கி வருகிறது எனவே, நகர் ஊரமைப்பு ஆணையர், சென்னை அவர்களின் செயல்முறை கடிதம் ந.க.எண்.25782/2015/சிபி நாள் 11.02.2016-ல் வ.எண்.9-ல் குறிப்பிட்டுள்ள சிறப்பு நிபந்தனைகளின் அடிப்படையில் மனுதாருக்கு நடைமுறைச் சார்ந்து வழங்கலாம் எனவும்

24	ஆக்கட்டு ஏரி புறம்போக்கு பாசன வாய்க்கால்களை ஆக்கிரமிப்புகள் செய்தல் கூடாது
25	அருகாமையிலுள்ள நீர்நிலைகளில் Sanitary/Waste water disposals மேற்கொள்வதை மாசுபடுத்துதல் கூடாது
26	உத்தேச இடத்தில் மேற்கொள்ளப்படும் அபிவிருத்திகளுக்கு சம்பந்தப்பட்ட துறைகளிடம் முறையான அனுமதி பெறப்பட வேண்டும்
27	பிளாட்டு புலங்களை ஒட்டி செல்லும் பாசனக்கால்வாய்கள் நீர் இதர புலங்களில் சாகுபடி பணி மேற்கொள்வதற்கு இடையூறோ தடங்கலோ ஏற்படுத்தப்படாத வண்ணம் பராமரிக்க வேண்டும்
28	மனுதாரர் தடையின்மைச் சான்று கோரியுள்ள புலங்கள் தொடர்பாக நீதிமன்ற வழக்குகள் மற்றும் ஆட்சேபணைகள் ஏதேனும் மாவட்ட ஆட்சியரின் கவனத்திற்கு வரப்பெற்றால் இத்தடையின்மைச் சான்று ரத்து செய்யப்படும்
29	இத்தடையின்மைச் சான்றில் குறிப்பிடப்பட்டுள்ள புலங்களில் எவையேனும் தமிழ்நாடு நில உச்சவரம்பு சட்ட விதிமுறைகளுக்கு உட்படுமாயின் இத்தடையின்மைச் சான்றும் அதற்கு உட்பட்டதாகும்
30	மேற்படி நிபந்தனைகளை மீறும் பட்சத்தில் தடையின்மைச் சான்றினை எப்பொழுது வேண்டுமானாலும் ரத்து செய்ய மாவட்ட ஆட்சித்தலைவருக்கு அதிகாரம் உண்டு
31	இச்சான்று அரசாணை எண் 303வீட்டு வசதி மற்றும் நகர்ப்புற வளர்ச்சி துறை நாள் 29.12.2010 மற்றும் இயக்குநர், வீட்டு வசதி மற்றும் நகர்ப்புற வளர்ச்சி சென்னை-02 அவர்களின் ந.க.24935/2010 நிதுர் நாள் 7.3.2011ல் குறிப்பிட்டுள்ளவாறு, மேற்படி நிபந்தனைகள் அடிப்படையில், அரசு விதிகளின்படியும் நன்செய் நிலங்களில் கல்லூரி கட்டிடம், பொது மருத்துவமனை மற்றும் இதர பயன்பாட்டிற்காக தடையின்மைச் சான்று வழங்கப்படுகிறது.

மாவட்ட ஆட்சித் தலைவர்,
காஞ்சிபுரம்

பெறுநர்
திரு. கற்பக விநாயகா கல்வி அறக்கட்டளை,
ஜி.எஸ்.டி. சாலை, [illegible], சின்ன கோளம்பாக்கம்,
பாலமுத்தூர் அஞ்சல், படாளம் (வழி),
மதுராந்தகம் வட்டம்,
காஞ்சிபுரம் மாவட்டம்.

நகல்
1.செயற்பொறியாளர், பொதுப்பணித்துறை நீ.ஆ.து காஞ்சிபுரம்.
2.வருவாய் கோட்ட அலுவலர், செங்கல்பட்டு
3.துணை இயக்குநர் (நகர ஊரமைப்பு), செங்கல்பட்டு
4.வட்டாட்சியர், மதுராந்தகம்

Annexure 8
Rain water harvesting system

STORM WATER DRAINAGE & RAIN WATER SYSTEM

Open Wells

RWH Pits

Storm/Rain Water Trench Line

No. of Open Wells within Site – 9 Nos. No. oF Rain Water Harvesting Pits Within Site – 35 Nos.

Annexure 9
Sewage Treatment Plan

SEWAGE TREATMENT PLANT – SBR PROCESS - 600 KLD

Collection Tank

Settling Tank

Aeration Tank

PSF/ACF

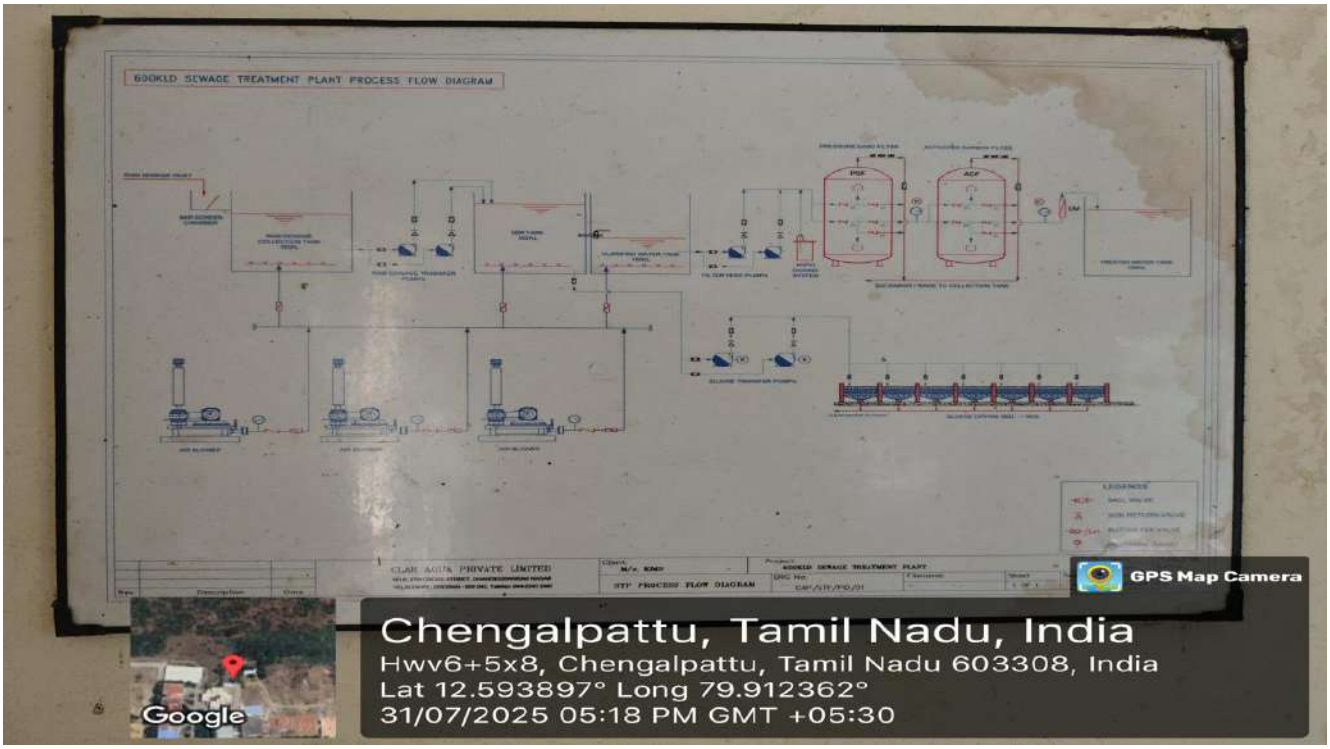
Flow Meter

UV System

Sludge Drying Bed

OCMS System

DIMENSIONS – 600 KLD STP



Name of the Treatment Unit	No. of Units	Dimension
Bar Screen Chamber	1	1.0 m x 1.0 m x 0.75 m
Oil & Grease Trap	1	10-50 LPH
Collection Tank	1	7.0 m x 5.0 m x 4.5 m
SBR Tank	1	6.5 m x 8.4 m x 4.0 m
Clarified Water Tank	1	4.0 m x 2.5 m x 2.0 m
Sludge holding tank	1	3.5 m x 2.5 m x 1.8 m.
Sludge drying beds	7	1.0 m x 1.2 m
Pressure sand filter	1	2.0 m Dia x 1.5 m Ht.
Activated carbon filter	1	2.0 m Dia x 1.5 m Ht.
Hypo dosing system	1	100 Liters
UV system	1	30000 LPH
Treated water tank	1	7.0 m x 5.0 m x 4.3 m

Annexure 10
OWC

Photos of OWC

Annexure 11
Effluent Treatment Plant

EFFLUENT TREATMENT PLANT

Disinfection

Collection Tank

Aeration Tank

Air Blower

Sludge Drying Bed

Dosing System

ETP – 10 KLD

Name of the Treatment Unit	No. of Units	Dimension
Hypo dosing System	1	0-5 LPH at 5.0 kg / cm2 pressure
Collection Tank	1	2.0 m X 1.5 m X 2.0 m
Aeration tank	1	2.25 m X 1.5 m X 1.5 m
Settling tank	1	1.25 m X 1.25 m X 2.5 m
Filter feed Tank	1	1.25 m X 1.25 m X 2.5 m
Dual media Filter	1	0.3 Dia X 1.3 Ht
Sludge Drying Bed	3	1.25 m x 1.0 m x 1.0 m.

Annexure 12
Bio Medical Waste Authorization

FORM III

(See Rule 10)

AUTHORISATION No: 24BAZ62493679 Dated 09/10/2024

Proceeding No: JCEE-M/CPZ/TNPCB/F.2929MMN/BWA/RL/MMN/2024 dated 09/10/2024

Sub: Tamil Nadu Pollution Control Board – Bio-Medical Waste Authorization - Renewal-HCF-M/s.KARPAGA VINAYAGA EDUCATIONAL TRUST, S.F.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, PAZHAYANUR village, MADURANTHAGAM Taluk, Chengalpattu District - Authorization under Rule 10 of the Bio-Medical Waste Management Rules, 2016 enacted under Environment (Protection) Act, 1986 – Issued- Reg. (Industry User ID- R18SPR18645426)

Ref:
1. BMWA Proc. No:T3/TNPCB/F.2929MMN/BWA/RL/MMN/2022 Dated: 23/12/2022.
2. RCO Proc. No.T2/TNPCB/F.2929MMN/RL/MMN/A/2024 dated: 28/08/2024.
3. Unit's OCMMS Application No. 62493679 dated:25.09.2024.
4. BMW-IR.No: F.2929MMN/BWA/RL/DEE/MMN/2024 dated: 09/10/2024.

****

AUTHORISATION FOR OPERATING A FACILITY FOR GENERATION, COLLECTION, RECEPTION, TREATMENT, STORAGE, TRANSPORT AND DISPOSAL OF BIO-MEDICAL WASTES

1. File number of authorization: 24BAZ62493679 and date of issue: 09/10/2024
2. The Managing Director of M/s. KARPAGA VINAYAGA EDUCATIONAL TRUST, an occupier or operator of the facility located at S.F.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, PAZHAYANUR Village, MADURANTHAGAM Taluk, Chengalpattu District is hereby granted an Authorisation for Generation, Segregation, Collection, Storage, Packaging, Disposal of Bio-Medical Waste
3. M/s. KARPAGA VINAYAGA EDUCATIONAL TRUST is hereby authorized for handling of Bio-Medical waste as per the capacity given below.

i)	Number of beds of HCF	570		Nos
ii)	Quantity of Bio-Medical Waste handled, treated or disposed			
	Category	**Type of Waste**	**Quantity permitted for handling**	**Unit**
	Yellow	a) Human Anatomical Waste	95	Kg/day
		b) Animal Anatomical Waste	0	Kg/day
		c) Soiled Waste	140	Kg/day
		d) Expired or Discarded Medicines	17	Kg/day
		e) Chemical Solid Waste		Kg/day
		f) Chemical Liquid Waste in KLD	8	KLD
		g) Discarded linen, mattresses, beddings contaminated with blood or body fluid routine mask and gown	2	Kg/day
		h) Microbiology, Biotechnology and other clinical laboratory waste	1	Kg/day

	Category	**Type of Waste**	**Quantity permitted for handling**	**Unit**
	Red	Contaminated waste (Recyclable)	2	Kg/day
	White(Translucent)	Waste sharps including Metals	12	Kg/day
	Blue	Glassware	1	Kg/day
		Glassware Metallic Body	1	Kg/day

4. The authorization shall be in force for a period up to 31/03/2027

5. The authorization is issued subject to the conditions stated below and to such other conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986.

Joint Chief Environmental Engineer-Monitoring
Tamil Nadu Pollution Control Board
Chengalpattu

TERMS AND CONDITIONS OF AUTHORIZATION

1. The authorization shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the Tamil Nadu State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the Bio-Medical wastes without obtaining prior permission of Tamil Nadu State Pollution Control Board.

4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.
5. It is the duty of the authorized person to take prior permission of the Tamil Nadu Pollution Control Board to close down the facility and such other termsand conditions may be stipulated by Tamil Nadu Pollution Control Board.
6. Any other conditions for compliance as per the Guidelines issued by the MoEF&CC or CPCB from time to time.

ADDITIONAL CONDITIONS

1. The HCF shall collect the Bio Medical Waste as per the waste categorization & colour coding system prescribed in the BMW Notification 2016.
2. The HCF shall possess valid consents of the Board under Water and Air Acts at all times.
3. The HCF shall ensure that there shall be no secondary handling of segregated biomedical waste and the same shall be handed over directly to the operator of a common bio-medical waste treatment and disposal facility in the manner as specified in Schedule-I of the BMW Notification 2016.
4. The HCF shall provide training to all its health care workers and others, involved in handling of bio medical waste and to provide regular immunisation facility to protect them against diseases.
5. The HCF shall have valid agreement with CBMWTDF all the time for safe and timely disposal of Bio-medical waste.
6. The HCF shall adhere to the CPCB guidelines for handling, treatment, & disposal of Covid -19 Biomedical waste (BMW).
7. The HCF shall maintain records on the purchase & utilisation of Sodium Hypochlorite solution and to be furnished during inspection.
8. The HCF shall apply for fresh authorization under BMW Rules, 2016 if there is any increase in the quantity of bio medical waste than the authorized quantity.

SPECIAL CONDITIONS - HCF

1	All the provisions of the Bio-Medical Waste Management Rules, 2016 must be complied with.
2	The HCF shall take all necessary steps to ensure that bio-medical waste is handled without any adverse effect to human health and the environment and in accordance with the Bio-Medical Waste (BMW) Management Rules, 2016.
3	The HCF shall make a provision within the premises for a safe, ventilated and secured location for storage of segregated biomedical waste in colored bags or containers in the manner as specified in Schedule I of the BMW Rules, 2016. It shall be ensured that there shall be no secondary handling, pilferage of recyclables or inadvertent scattering or spillage by animals and the bio-medical waste from such place or premises shall be directly transported in the manner as prescribed in these rules to the common bio-medical waste treatment facility or for the appropriate treatment and disposal, as the case may be, in the manner as prescribed in Schedule I of the BMW Management Rules, 2016.
4	The HCF shall pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilization on-site in the manner as prescribed by the World Health Organization (WHO) guidelines on safe management of wastes from health care activities and WHO Blue Book, 2014 and then sent to the Common bio-medical waste treatment facility for final disposal
5	The HCF shall phase out use of chlorinated plastic bags(excluding blood bags) and gloves by 27th March, 2019

6	The HCF shall dispose of solid waste other than bio-medical waste inaccordance with the provisions of respective waste management rules made under the relevant laws and amended from time to time.
7	The HCF shall not give treated bio-medical waste with municipal solid waste.
8	The HCF shall establish a Bar-Code System for bags or containers containing bio-medical waste to be sent out of the premises or for the further treatment and disposal in accordance with the guidelines issued by the Central Pollution Control Board by 27th March, 2019
9	The HCF shall ensure segregation of liquid chemical waste at source and also ensure pre-treatment or neutralization prior to mixing with other effluent generated from health care facilities
10	The HCF shall ensure treatment and disposal of liquid waste in accordance with the Water (Prevention and Control of Pollution) Act, 1974(6 of 1974).
11	The HCF shall maintain and update on day to day basis the bio-medical waste management register and display the monthly record on its website according to the bio-medical waste generated in terms of category and colour coding as specified in Schedule I of the BMW Management Rules, 2016.
12	The HCF shall inform to TNPCB immediately in case the operator of a CBMWTF does not collect the bio-medical waste within the intended time or as per the agreed time.
13	The HCF shall establish a system to review and monitor the activities related to bio-medical waste management by forming a new committee and the Committee shall meet once in every six months and the record of the minutes of the meetings of the committee shall be submitted along with the annual report to the prescribed authority.
14	It is the responsibility of the occupier of the HCF that the only segregated bio-medical waste as per the Schedule-I of the BMW Management Rules, 2016 shall be handed over to common bio-medical waste treatment facility for treatment, processing and final disposal.
15	It shall be ensured that no untreated bio-medical waste shall be mixed with other wastes.
16	The bio-medical waste shall be segregated into containers or bags at the point of generation in accordance with Schedule I of the BMW Management Rules, 2016 prior to its storage, transportation, treatment and disposal.
17	The containers or bags referred to in sub-rule (2) shall be labeled as specified in Schedule IV of the BMW Management Rules, 2016. The bar code and global positioning system shall be added by the Occupier and common bio-medical waste treatment facility in one year time.
18	Untreated human anatomical waste, animal anatomical waste, soiled waste and biotechnology waste shall not be stored beyond a period of forty–eight hours:Provided that in case for any reason it becomes necessary to store such waste beyond such a period, the occupier shall take appropriate measures to ensure that the waste does not adversely affect human health and the environment and inform the prescribed authority along with the reasons for doing so.
19	Dead Fetus below the viability period (as per the Medical Termination of Pregnancy Act 1971, amended from time to time) can be considered as human anatomical waste. Such waste should be handed over to the operator of common bio-medical waste treatment and disposal facility in yellow bag with a copy of the official Medical Termination of Pregnancy certificate from the Obstetrician or the Medical Superintendent of hospital or healthcare establishment.
20	Cytotoxic drug vials shall not be handed over to unauthorized person under any circumstances. These shall be sent back to the manufactures for necessary disposal at a single point. As a second option, these may be sent for incineration at common bio-medical waste treatment and disposal facility or TSDFs or plasma pyrolys is at temperature >1200^{0}C.
21	Residual or discarded chemical wastes, used or discarded disinfectants and chemical sludge can be disposed at hazardous waste treatment, storage and disposal facility. In such case, the waste should be sent to hazardous waste treatment, storage and disposal facility through operator of common bio-medical waste treatment and disposal facility only.

22	On-site pre-treatment of laboratory waste, microbiological waste, blood samples, blood bags should be disinfected or sterilized as per the Guidelines of World Health Organization or National AIDS Control Organization and then given to the common bio-medical waste treatment and disposal facility.
23	Syringes should be either mutilated or needles should be cut and or stored in tamper proof, leak proof and puncture proof containers for sharps storage.
24	The HCF shall maintain records related to the generation, collection, storage, transportation, treatment, disposal or any other form of handling of bio-medical waste.
25	The HCF shall submit an Annual Report to the prescribed authority (TNPCB) in Form-IV, on or before the 30th June of every year for the period from January to December of the preceding year.
26	The HCF shall make available the annual report on its web-site within a period of two years from the date of publication of Bio-Medical Waste management (Amendment) Rules, 2018
27	In case of any change in the bio-medical waste generation, handling, treatment and disposal for which authorization was earlier granted, the occupier or operator of HCF shall intimate to the prescribed authority about the change or variation in the activity and shall submit a fresh application in Form II for modification of the conditions of Authorization.
28	In case of any major accident at any institution of HCF facility or any other site while handling bio-medical waste, the authorized person shall intimate immediately to the prescribed authority about such accident and forward a report within twenty-four hours in writing regarding the remedial steps taken in Form I.
29	The HCF shall ensure occupational safety of all its health care workers and others involved in handling of bio-medical waste by providing appropriate and adequate personal protective equipments.
30	The occupier of the HCF or an operator of a common bio-medical waste treatment facility shall be liable for all the damages caused to the environment or the public due to improper handling of bio- medical wastes. The occupier or operator of common bio-medical waste treatment facility shall be liable for action under section 5 and section 15 of the Act, in case of any violation.

31	The HCF shall adopt the following treatment and disposal methods as described in the BMW Management Rules, 2016 i. Chemical treatment using at least 1% to 2% Sodium Hypochlorite having 30% residual chlorine for twenty minutes or any other equivalent chemical reagent that should demonstrate Log104 reduction efficiency for microorganisms as given in Schedule- III. ii. Mutilation or shredding must be to an extent to prevent unauthorized reuse.

Joint Chief Environmental Engineer-Monitoring
Tamil Nadu Pollution Control Board
Chengalpattu

To

The Managing Director
KARPAGA VINAYAGA EDUCATIONAL TRUST
108/1CHINNAKOLAMBAKKAM,PALAIYANUR POST,CHENGALPATTU DIST.
Pin: 603038

Copy to:

1. Copy submitted to the Member Secretary, Tamil Nadu Pollution Control Board, Chennai for favour of kind information
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, MARAIMALAI NAGAR

Bio Medical Waste Storage Photos

Annexure 13
DG Stack

DG SETS WITH STACK

Annexure 14
EMP Expenses

Proof of EMP Expenses

S.no	Components	Description	Capital Cost (in Lakhs)	Operational Cost (in Lakhs)	Evidences
1.	Sewage Treatment Plant and ETP	The waste water from domestic use is treated in a sewage treatment plant of 600 KLD capacity. The effluent from the laboratory is treated in ETP	**125**	**6.25**	   
2.	Water supply-Provision of Storage tank	Water is sourced from Ground water and local body	**3.0**	**150**	  

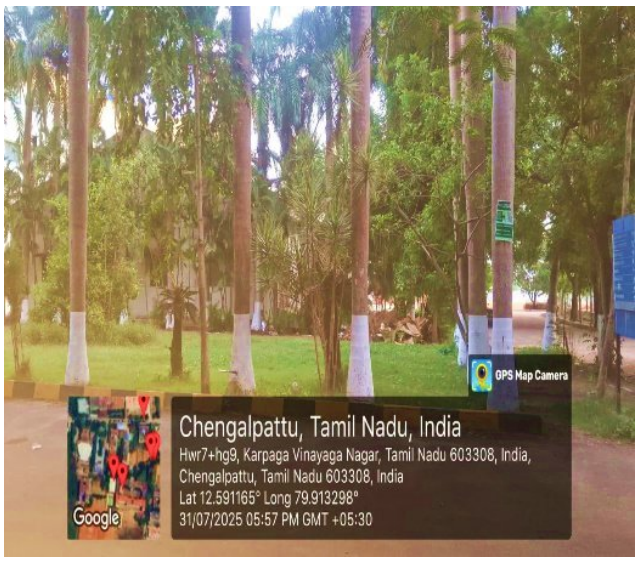
3.	Air Pollution Control & Noise	DG sets provided with adequate stack with acoustic enclosures are maintained. Greenbelt developed. Vehicles with valid PUC certificates.	**25**	**2.5**	  
4.	Solid waste Management	The bio-degradable waste will be treated in organic waste convertor and used as manure for greenbelt. Bio medical waste collection and storage shed.	**25.9**	**23.0**	 
5.	Rainwater harvesting	Rainwater harvesting system has been constructed and maintained in the project site.	**72**	**3.0**	 

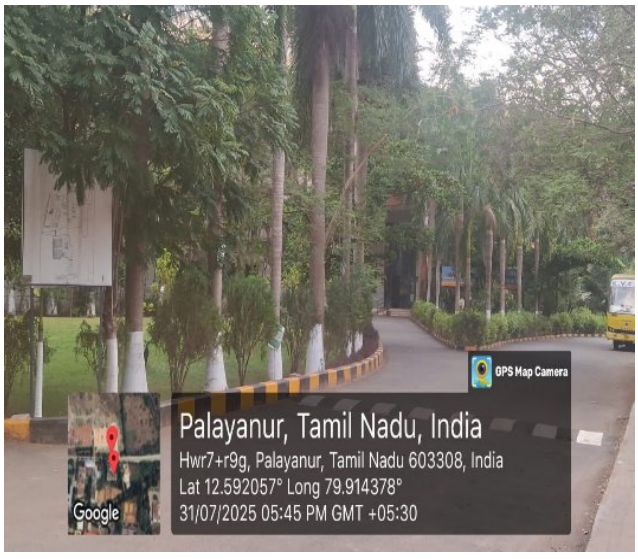
6	Energy conservation	LED Light fittings, Star rated equipment, Solar panel covered on roof area with Solar water heater	**10.0**	**0.5**	 
7	Green belt area Development	Green belt developed within the premises as per the proposal.	**83.5**	**6.5**	 
8	Environmental Monitoring	Periodical monitoring of ambient air, Noise, Stack, STP, ETP carried and online monitoring systems installed for STP.	**6.0**	**1.0**	

9	Fire Safety	Adequate Fire Fighting system installed and maintained.	**20.0**	**0.5**		
TOTAL			**370.4**	**193.23**	**Total – 563.65**	

Annexure 15
Greenbelt Details

Photos of Greenbelt





KVEG Campus Tree Population

S.No	Tree Name	Quantity
01	Pungam	189
02	Silver Oak	05
03	Red Sandal	06
04	Indian Almond (Vadham)	82
05	Indian Ash Tree(Udhiya maram)	59
06	Gulmohar	243
07	Neem	253
08	Teak	18
09	Manilla Tamarind	14
10	Coconut	142
11	Guava	29
12	Indian Tropical Tree(Iluppai)	26
13	Peepal Tree(Arasan)	15
14	Banyan Tree(Alamaram)	03
15	Rain Tree	18
16	Noni Tree	18
17	Date palm(Echamaram)	54
18	Peltophorum	194
19	Papaya	14
20	Tamarind	12
21	Spathodea	43
22	Malai Vembu	23
23	Punnai Tree	05
24	Bauhinia Tree	12
25	Fig Tree	13
26	Elu Ilai Palai	11
27	Jamun Tree	35
28	Mango	34
29	Star fruit	01
30	Banana	257
31	Areca Palm	99
32	Royal Palm	233
33	Traveler Palm	10
34	Lemon	18
35	Sapota	04
36	Custard Apple	07
37	Mahilam	17
38	Rosy Trumpet Tree	19
39	MahaVilvam	24
40	Indian Goose Berry	05
41	Mahagony	32
42	River Tamarind (Soundil)	22
43	Karumaruthu	04
44	Kumil	06

45	Kadambu	18
46	Ashoka	08
47	Sorgham Tree	12
48	Semmai Konnari	03
49	Lagerstroemia	04
50	Benjamina Ficus	17
51	Drumstick Tree	07
52	Sissoo Tree	09
53	Frangipani Tree	16
54	Ber Tree	06
55	Vilvam	03
56	Thenmaram	06
57	Palm Tree	08
58	Red Bead Tree	22
59	Tree Jasmine	28
60	Perumaram	14
61	Terminalia	13
62	Golden Shower	06
63	Jakaranda	03
64	Kuthirai Pudukku	06
65	Venkadambu	22
66	Casuarina	22,640
67	Eucalyptus	04
68	Maruthamaram	32
69	Neer Maruthu	14
70	Seng Karungali	03
71	Ettimaram	01
72	Sandal	01
73	Karungali	01
74	Palasu	02
75	Jack Fruit	14
	TOTAL	**25,271**

Annexure 16
NCC and NSS Camp

NCC & NSS Camping Photos

Annexure 17
Newspaper Advertisement

PUBLIC NOTICE

This is to inform that Construction of Institute of Medical Science & Research Centre 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, Madhurnathagam Taluk, Kancheepuram District, has been granted environmental clearance by the State Environmental Impact Assessment Authority of Tamil Nadu (SEIAA). The copies of the said clearance are available with Tamil Nadu Pollution Control board and may also be seen on the website of the State Environmental Impact Assessment Authority of Tamil Nadu at www.environmentclearance.nic.in

Karpaga Vinayaga Educational Trust
GST Road, Chinna Kolambakkam,
Palayanoor P.O., Madhurantagam Tk.,
Kancheepuram – 603 308.

பொது அறிவிப்பு

காஞ்சிபுரம் மாவட்டம், மதுராந்தகம் வட்டம், பழையனூர் மற்றும் கொலம்பாக்கம் கிராமம், சர்வே எண்கள்: 42/4A, 43/4, 49/1, 2, 3, 4, 50/1, 3 & 51/4B, 53/2, மூசிவாக்கம் கிராமம் சர்வே எண்கள்: 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 உள்ளடக்கிய நிலங்களில் அமைந்துள்ள கற்பக விநாயகா கல்வி அறக்கட்டளையின் மருத்துவ அறிவியல் மற்றும் ஆராய்ச்சி மையத்தின் சுற்றுசூழல் இசைவாணையை, மாநில சுற்றுசூழல் மதிப்பீட்டு ஆணையம் (SEIAA) வழங்கியுள்ளது. இசைவாணையின் நகல், தமிழ்நாடு மாசு கட்டுபாட்டு வாரியத்தில் கிடைக்கும். மேலும் இவ்வாணையை மாநில சுற்றுசூழல் மதிப்பீட்டு ஆணையத்தின் இணையதளத்திலும் www.environmentclearance.nic.in காணலாம்

Karpaga Vinayaga Educational Trust
GST Road, Chinna Kolambakkam, Palayanoor P.O.,
Madhurantagam Tk., Kancheepuram – 603 308.

Annexure 18
EC Submission to Local Body

Karpaga Vinayaga Educational Trust

Regd. Office :
3108, East Second Street,
PUDUKKOTTAI - 622 001. TAMILNADU.

Communication Address :
G.S.T. Road, Chinna Kolambakkam (Po.),
Madhuranthagam (Tk.) Chengalpattu Dt. - 603 308.
Phone : 044 7156 5100 to 7156 5299
website : www.kims.edu.in / E-mail : finance@kims.edu.in

Date : 08.09.2018

பெறுநர்:

தலைவர் / செயல் அலுவலர்
பழையனூர் ஊராட்சி
மதுராந்தகம் ஊராட்சி ஒன்றியம்
செங்கல்பட்டு மாவட்டம்.

ஐயா,

பொருள் : சுற்றுச்சூழல் அனுமதிச் சான்றிதழ் சமர்ப்பித்தல் – தொடர்பாக

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

செங்கல்பட்டு மாவட்டம் , மதுராந்தகம் ஊராட்சி ஒன்றியம் Survey no 42/4A, 43/4,49/1,2,3,4,50/1,3 & 51/4B,53/2 – பழையனூர்கிராமம்&கொலம்பாக்கம்கிராமம் Survey no108/1,109/1A,1B,2A1,2A2,2A3, 3A1, 3A2, 3A3,& 4, 110/1,2,3,4 , 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,119/1AJ,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 மூசிவாக்கம் கிராமத்தில் அமைந்துள்ளகற்பக விநாயகா கல்வி அறக்கட்டளையின் மருத்துவ அறிவியல் மற்றும் ஆராய்ச்சி மையகட்டுமானத்திற்கான சுற்றுச்சூழல் அனுமதியை நாங்கள் பெற்றுள்ளோம்.

எனவே சுற்றுச்சூழல்அனுமதி கடிதத்தை தங்களின் பார்வைக்கு சமர்ப்பிக்கிறோம்.

நன்றி

இப்படிக்கு

கற்பக விநாயகா கல்வி அறக்கட்டளை

தலைவர் / செயல் அலுவலர்
வையாவூர் ஊராட்சி
மதுராந்தகம் ஊராட்சி ஒன்றியம்
செங்கல்பட்டு மாவட்டம்

Annexure 19
CTO A&W

Category of the Industry :

RED

CONSENT ORDER NO. 2408258204194 DATED: 28/08/2024.

PROCEEDINGS NO.T2/TNPCB/F.2929MMN/RL/MMN/A/2024 DATED: 28/08/2024

SUB: Tamil Nadu Pollution Control Board - RENEWAL OF CONSENT –M/s. KARPAGA VINAYAGA EDUCATIONAL TRUST , S.F.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, PAZHAYANUR village, Maduranthagam Taluk and Chengalpattu District - Renewal of Consent for the operation of the plant and discharge of emissions under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) –Issued- Reg. (Industry User ID- R18SPR18645426)

REF: 1. Application no. 58204194 dated: 10.04.2024.
2. IR.No : F.2929MMN/RL/AE/MMN/2024 dated 23/08/2024.

RENEWAL OF CONSENT is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) (hereinafter referred to as “The Act”) and the rules and orders made there under to

The Managing Director

M/s . KARPAGA VINAYAGA EDUCATIONAL TRUST

S.F 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,131/5,6,7 A &7B OF MOOSIVAKKAM VILLAGE

PAZHAYANUR Village

Maduranthagam Taluk

Chengalpattu District.

Authorizing the occupier to operate the industrial plant in the Air Pollution Control Area as notified by the Government and to make discharge of emission from the stacks/chimneys.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This RENEWAL OF CONSENT is valid for the period ending **March 31, 2027**

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

SPECIAL CONDITIONS

1. This renewal of consent is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
	Product Details		
1.	EDUCATIONAL INSTITUTION COMPRISING STAFF QUARTERS,LADIES HOSTEL - 1 (G+5),LADIES HOSTEL -2(G+5),LADIES HOSTEL -(G+3),LADIES HOSTEL - (G+2),LADIES HOSTEL(G+4),NURSING COLLEGE,CLASS ROOM BUILDING,ENGINEERING BLOCK (G+3),GENTS HOSTEL (G+2),GENTS HOSTEL (G+7),AUDITORIUM BUILDING,LECTURE HALL,GENTS HOSTEL (G+3),MEDICAL & DENTAL COLLEGE(G+4),HOSPITAL BUILDING - 570 BEDS (G+3) WITH TOTAL BUILTUP AREA OF	116601.26	SQ.MTS

2. This renewal of consent is valid for operating the facility with the below mentioned emission/noise sources along with the control measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent/Amendment has to be obtained.

I	Point source emission with stack :			
Stack No.	**Point Emission Source**	**Air pollution Control measures**	**Stack height from Ground Level in m**	**Gaseous Discharge in Nm3/hr**
1	DG SET 25 KVA	Acoustic enclosures with stack	17.5	
2	DG SET 40 KVA	Acoustic enclosures with stack	17.5	
3	DG SET 63 KVA	Acoustic enclosures with stack	17.5	
4	DG SET 125 KVA	Acoustic enclosures with stack	17.5	
5	DG SET 140 KVA	Acoustic enclosures with stack	17.5	
6	DG SET 160 KVA	Acoustic enclosures with stack	17.5	
7	DG SET 180 KVA	Acoustic enclosures with stack	17.5	
8	DG SET 320 KVA	Acoustic enclosures with stack	17.5	
II	**Fugitive/Noise emission :**			
Sl. No.	**Fugitive or Noise Emission sources**	**Type of emission**	**Control measures**	
1.	DG SETS	Noise	ACOUSTIC ENCLOSURE	

Special Additional Conditions:

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

The industries shall take all efforts to use and popularize “Mission LiFE” logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt “Mission LiFE” action points and document the same and furnish half yearly report to Board.

Additional Conditions:

1. The unit shall comply with the conditions stipulated in the EC obtained from SEIAA, TN vide Lr no. SEIAA/TN/ F.NO.440/2011/EC/8(a)/605/2018 date :09.08.2018
2. The unit shall operate all the APC measures continuously and effectively so as to satisfy the AAQ standards prescribed by the Board.
3. The unit shall meet the noise level standards prescribed by the Board.
4. The unitshall continue to develop and maintain green belt all along the periphery of the unit.
5. The unit shall maintain records of e-waste generated by them in Form-2 and make such records available for scrutiny by the TNPCB. The unit shall file annual returns in Form-3, to the TNPCB on or before 30th day of June following the financial year.
6. In case of revision of consent fee by the Government, the unit shall remit the difference in amount within one month from the date of notification. Failing to remit the consent fee, this consent will be withdrawn without any notice and further action will be initiated against the unit as per law.
7. The unit shall not go for any expansion without obtaining prior consent of the Board.
8. The unit shall ensure to comply with the provisions of EIA Notification, 2006 as amended and shall not undertake any activity in violation of of EIA Notification, 2006.
9. This consent order does not absolve this unit from obtaining necessary permission/clearance from other Authority or under other statues as applicable.

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
The Managing Director,
M/s.KARPAGA VINAYAGA EDUCATIONAL TRUST,
108/1CHINNAKOLAMBAKKAM,PALAIYANUR POST,CHENGALPATTU DIST.
Pin: 603038

Copy to:

1.The Commissioner, MADURANTHAGAM-Panchayat Union, Maduranthagam Taluk, Chengalpattu District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, MARAIMALAI NAGAR.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chengalpattu.
4. File

Category of the Industry :

RED

CONSENT ORDER NO. 2408158204194 DATED: 28/08/2024.

PROCEEDINGS NO.T2/TNPCB/F.2929MMN/RL/MMN/W/2024 DATED: 28/08/2024

SUB: Tamil Nadu Pollution Control Board - RENEWAL OF CONSENT – M/s. KARPAGA VINAYAGA EDUCATIONAL TRUST , S.F.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, PAZHAYANUR village, Maduranthagam Taluk and Chengalpattu District - Renewal of Consent for the operation of the plant and discharge of sewage and/or trade effluent under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 6 of 1974) – Issued- Reg. (Industry User ID-R18SPR18645426)

REF: 1. Application no. 58204194 dated: 10.04.2024.
2. IR.No : F.2929MMN/RL/AE/MMN/2024 dated 23/08/2024.

RENEWAL OF CONSENT is hereby granted under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act, 6 of 1974) (hereinafter referred to as “The Act”) and the rules and orders made there under to

The Managing Director
M/s . KARPAGA VINAYAGA EDUCATIONAL TRUST
S.F 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
PAZHAYANUR Village
Maduranthagam Taluk
Chengalpattu District.

Authorising the occupier to make discharge of sewage and /or trade effluent.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This RENEWAL OF CONSENT is valid for the period ending **March 31, 2027**

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

SPECIAL CONDITIONS

1. This renewal of consent is valid for operating the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
	Product Details		
1.	EDUCATIONAL INSTITUTION COMPRISING STAFF QUARTERS,LADIES HOSTEL - 1 (G+5),LADIES HOSTEL -2(G+5),LADIES HOSTEL -(G+3),LADIES HOSTEL - (G+2),LADIES HOSTEL(G+4),NURSING COLLEGE,CLASS ROOM BUILDING,ENGINEERING BLOCK (G+3),GENTS HOSTEL (G+2),GENTS HOSTEL (G+7),AUDITORIUM BUILDING,LECTURE HALL,GENTS HOSTEL (G+3),MEDICAL & DENTAL COLLEGE(G+4),HOSPITAL BUILDING - 570 BEDS (G+3) WITH TOTAL BUILTUP AREA OF	116601.26	SQ.MTS

2. This renewal of consent is valid for operating the facility with the below mentioned outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	SEWAGE	520.0	GARDENING 280 KLD,HVAC-22 KLD,TOILED FLUSHING -218 KLD
Effluent Type : Trade Effluent			
1.	TRADE EFFLUENT	8.0	On land for gardening

Special Additional Conditions:

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

The industries shall take all efforts to use and popularize “Mission LiFE” logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt “Mission LiFE” action points and document the same and furnish half yearly report to Board.

Additional Conditions:

1. The unit shall comply with the conditions stipulated in the EC obtained from SEIAA, TN vide Lr no. SEIAA/TN/ F.NO.440/2011/EC/8(a)/605/2018 date :09.08.2018.
2. The unit shall operate and maintain the Sewage treatment Plant to treat the sewage generated and shall ensure that the treated Sewage satisfy the standards prescribed by the Board.
3. The unit shall operate and maintain the Effluent Treatment Plant to treat the trade effluent generated and shall ensure that the treated trade effluent satisfy the standards prescribed by the Board.
4. The unit shall utilize the treated sewage for toilet flushing, green belt development after the disinfections & HVAC and ensure that there shall not be any ponding of sewage while utilizing the treated sewage for gardening.
5. The unit shall utilize the treated trade effluent for green belt development after the disinfections and ensure that there shall not be any ponding of sewage while utilizing the treated sewage for gardening.
6. The unit shall maintain the EMFMs provided at the inlet and outlet of STP/ETP efficiently and continuously, so as to record the actual flow on daily basis.
7. The unit shall connect the EMFMs of the STP/ETP with Online Continuous Effluent Monitoring System to Water Quality Watch Centre at TNPCB, Chennai immediately.
8. The unit shall analyze the treated sewage samples periodically through Board's laboratory and furnish ROA of the same to the Board.
9. The unit shall always possess valid permission from competent authority for supply of fresh water to the unit and maintain records in this regards.
10. The unit shall operate and maintain the separate energy meters provided to record the daily energy consumption of the STP.
11. The unit shall furnish the daily energy meter reading consolidated every month.
12. The unit shall take all safety precautions during regular operation and while carrying out any maintenance work in the STP.
13. In the event of any unpleasant incident / accident of any kind in the STP area the unit shall held personally responsible for the incident.
14. It shall be taken action to calibrate the Electromagnetic Flow meters provided in the STP periodically only through approved laboratories of Weights and Measures Department for display of correct readings at all time.
15. It shall be taken action to install the OCEMS in the outlet of the STP within 3 months by following the procedure and guidelines for OCEMS 2018 as recommended by CPCB for continuous monitoring of treated waste water parameters by making connectivity with WQW of TNPCB at all times.
16. The unit shall utilize the sludge from the STP as manure within the premises.
17. The unit shall ensure that solid waste shall be properly collected then and there and disposed properly without accumulation.
18. The unit shall comply with the Hazardous and other wastes (Management & Trans-boundary Movement Rules) 2016 as amended.
19. The bio degradable solid waste, non bio degradable solid waste, STP sludge, etc generated from the project activity shall be properly collected, segregated and disposed as per the provision of Solid waste(Management and Handling)Rules, 2016.
20. The unit shall handle the Bio Medical Waste generated from the unit as per the provisions of Bio Medical Wastes Rules, 2016 and shall ensure that the unit has valid Bio medical authorization at all the times.
21. Single use and Throwaway plastic items' such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, shall not be used within the premises. Instead, it shall encourage use of eco-friendly alternative such as banana leaf, areca nut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, Jute bag etc.,
22. E-waste generation shall be managed as per the provisions of the E- waste Management Rules,2022. E-waste as listed in Schedule–I generated shall be channelized through collection centre or dealer of authorized producer or dismantler or recycler or through the designated take back service provider of the producer to authorized dismantler or recycler. The unit shall maintain records of e - waste generated by them in Form–2 and make such records available for scrutiny by the TNPCB. The unit shall file annual returns in Form -3 , to the TNPCB on or before the 30th day of June following the financial year.
23. Rain water harvesting system installed within the premises shall be maintained properly so as to recharge the ground water.
24. In case of revision of consent fee by the Government, the unit shall remit the difference in amount within one month from the date of notification. Failing to remit the consent fee, this consent will be withdrawn without any notice and further action will be initiated against the unit as per law.
25. The unit shall not go for any expansion without obtaining prior consent of the Board.
26. The unitshall ensure to comply with the provisions of EIA Notification, 2006 as amended and shall not undertake any activity in violation of EIA Notification, 2006.
27. This consent order does not absolve this unit from obtaining necessary permission/clearance from other Authority or under other statues as applicable.

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
The Managing Director,
M/s.KARPAGA VINAYAGA EDUCATIONAL TRUST,
108/1CHINNAKOLAMBAKKAM,PALAIYANUR POST,CHENGALPATTU DIST.
Pin: 603038

Copy to:

1.The Commissioner, MADURANTHAGAM-Panchayat Union, Maduranthagam Taluk, Chengalpattu District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, MARAIMALAI NAGAR.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chengalpattu.
4. File

Annexure 20
Stability Certificate

GSTIN: 33AAWFA2842G1ZF

M AUDISESHAIAH & SONS

Architects, Engineers & Project Management Consultants

01-10-2025

STRUCTURAL STABILITY CERTIFICATE

This is to certify that the Existing HOSPITAL Building at G.S.T road s.nos .42/4a,43/4,49/1,49/2,50/1,50/2 & 51/4b of no:24,palayanoor, kolambakkam village ands.nos: 109/1a,2a1,2a2,3a1,3a2 & 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 (part), 127/1,2,3,4 & 5, 129/2,130/1b2,131/7a & 7b, of no.23,moosivakkam village, madhuranthakam taluk,kancheepuram district - Seismic Zone - III

IT HAS BEEN DESIGNED FOR GROUND + THREE FLOORS ACCORDING TO THE FOLLOWING CODE OF PRACTICES.

I.S. 875-1987 CODE OF PRACTIICES for design loads (part 1, 2, &3).

I.S. 456-2000 CODE OF PRACTIICES for Plain and Reinforced Concrete.

I.S. 1786-1985 CODE OF PRACTIICES specified for high strength deformed steel bars & wires for concrete reinforcement.

I.S. 1904-1986 CODE OF PRACTIICES for design of construction of foundation in soils

The load coming over the individual column is distributed through the **ISOLATED foundation** for the panel size of **3.80m x 3.85m**. The columns are laterally stabilized at the **Plinth Beam** level with a Tie Beam.

The structural stability certificate is valid **from 01.10.2025 to 30.09.2028**

M.VENKATASUBBA RAO,
Structural Engineer Grade-I (SE),
B.E., DTCP.No.SE/GR-I/19/07/010.
38/74, Bazullah Road, T.Nagar, Ch-17.
Ph: 28344962/28344857,
Email: vmadala@yahoo.com

GSTIN: 33AAWFA2842G1ZF

M AUDISESHAIAH & SONS

Architects, Engineers & Project Management Consultants

01-10-2025

STRUCTURAL STABILITY CERTIFICATE

This is to certify that the Existing Medical Sciences College Building at G.S.T road s.nos .42/4a,43/4,49/1,49/2,50/1,50/2 & 51/4b of no:24,palayanoor, kolambakkam village ands.nos: 109/1a,2a1,2a2,3a1,3a2 & 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 (part), 127/1,2,3,4 & 5, 129/2,130/1b2,131/7a & 7b, of no.23,moosivakkam village, madhuranthakam taluk,kancheepuram district - Seismic Zone III

IT HAS BEEN DESIGNED FOR GROUND + FOUR FLOORS ACCORDING TO THE FOLLOWING CODE OF PRACTICES.

I.S. 875-1987 CODE OF PRACTIICES for design loads (part 1, 2, &3).

I.S. 456-2000 CODE OF PRACTIICES for Plain and Reinforced Concrete.

I.S. 1786-1985 CODE OF PRACTIICES specified for high strength deformed steel bars & wires for concrete reinforcement.

I.S. 1904-1986 CODE OF PRACTIICES for design of construction of foundation in soils

The load coming over the individual column is distributed through the **ISOLATED foundation** for the panel size of **3.80m x 3.85m**. The columns are laterally stabilized at the **Plinth Beam** level with a Tie Beam.

The structural stability certificate is valid **from 01.10.2025 to 30.09.2028**

M.VENKATASUBBA RAO,
Structural Engineer Grade-I (SE),
B.E., DTCP.No.SE/GR-I/19/07/010.
38/74, Bazullah Road, T.Nagar, Ch-17.
Ph: 28344962/28344857,
Email: vmadala@yahoo.com

Annexure 21
STP & ETP Monitoring Reports

CHENNAI
Testing redefined
TESTING LABORATORY PRIVATE LIMITED

CIN : U93000TN2000PTC043869

TC-14314

TEST REPORT

Test Report No & Date	**CTL/CH/N-21121/2025-26 & 10.10.2025**
Sample Number	**N-21121/25-26**
Name of the Customer	**M/s. Karpaga Vinayaga Educational Trust,**
Address	P.O, GST Road, Chinna Kolambakkam, Palayanoor,Maduranthakam- 603 308.
Sample Drawn by	Laboratory
Sample Name	Sewage Water
Sample Description	**Treated Sewage Water**
Sampling Location	**STP Plant**
Sample Drawn on	29.09.2025
Sample Received on	29.09.2025
Sampling Plan & Procedure	CTL/QSP/09
Sample Quantity	2 Litres
Sample Condition	Good & Received in Plastic container
Environmental Conditions	Temperature- 33.9°C and Humidity- 57.1%
Equipment used for Sampling	NA
Analysis Started on	29.09.2025
Analysis Completed on	10.10.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL & BIOLOGICAL

GROUP : POLLUTION AND ENVIRONMENT

S. NO	PARAMETERS	METHOD	UNITS	RESULTS	LIMITS*
1	pH @ 25°C	4500 H+ B- APHA 24th Edn	-	7.7	5.5 to 9.0
2	Total Dissolved Solids (TDS)	2540 C- APHA 24th Edn	mg/l	1370	-
3	Total Suspended Solids (TSS)	2540 D- APHA 24th Edn	mg/l	11	Max. 30
4	Biochemical Oxygen Demand (BOD) 3 days at 27°C	IS 3025 (Part 44)	mg/l	9	Max. 20
5	Chemical Oxygen Demand (COD)	5220 B- APHA 24th Edn	mg/l	32	-
6	Chloride as Cl	4500 Cl- B- APHA 24th Edn	mg/l	340	-
7	Sulphate as SO_4	4500 SO4 E- APHA 24th Edn	mg/l	118	-
8	Oil & Grease	5520 O&G B - APHA 24th Edn (Partition Gravimetric Method)	mg/l	BLQ(LOQ:2.0)	-

Verified by

For Chennai Testing Laboratory Pvt ltd

Authorised Signatory

A. RAJ KUMAR
SENIOR MANAGER
(CHEMICAL)

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India

Phone : +91-44-2250 1757 | E-mail : chennaitesting@chennaitestinglab.com www.ctllabs.in

TEST REPORT

Test Report No & Date	CTL/CH/N-21121/2025-26 & 10.10.2025

S. NO	PARAMETERS	METHOD	UNITS	RESULTS	LIMITS*
Microbiology:					
9	Faecal Coliform	9221 E APHA 24th Edn.	MPN/100ml	70	-

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification: Max. - Maximum

*Limits as Per TNPCB for Treated Sewage

Remarks: The sample complies the limits TNPCB for Treated Sewage with respect to the parameters tested

Statement of conformity is applied considering Decision rule as per CTL/QSP/16

*****END OF REPORT*****

For Chennai Testing Laboratory Pvt ltd

Verified by

Authorised Signatory

R. JAYAVARTHANAN
Manager
(MICROBIOLOGY)

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India
Phone : +91-44-2250 1757 | E-mail : chennaitesting@chennaitestinglab.com www.ctllabs.in

CHENNAI
Testing redefined
TESTING LABORATORY PRIVATE LIMITED
CIN : U93000TN2000PTC043869

TC-14314

TEST REPORT

Test Report No & Date	**CTL/CH/N-21123/2025-26 & 10.10.2025**
Sample Number	**N-21123/25-26**
Name of the Customer	**M/s. Karpaga Vinayaga Educational Trust,**
Address	P.O, GST Road, Chinna Kolambakkam, Palayanoor,Maduranthakam- 603 308.
Sample Drawn by	Laboratory
Sample Name	Effluent Water
Sample Description	**Treated Effluent Water**
Sampling Location	**ETP Plant**
Sample Drawn on	29.09.2025
Sample Received on	29.09.2025
Sampling Plan & Procedure	CTL/QSP/09
Sample Quantity	2 Litres
Sample Condition	Good & Received in Plastic container
Environmental Conditions	Temperature- 33.9°C and Humidity- 57.1%
Equipment used for Sampling	NA
Analysis Started on	29.09.2025
Analysis Completed on	10.10.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : POLLUTION AND ENVIRONMENT

S. NO	PARAMETERS	METHOD	UNITS	RESULTS	LIMITS*
1	pH @ 25°C	4500 H+ B- APHA 24th Edn	-	7.9	5.5 to 9.0
2	Total Dissolved Solids	2540 C- APHA 24th Edn	mg/l	680	Max.2100
3	Total Suspended Solids	2540 D- APHA 24th Edn	mg/l	9	Max.100
4	Biochemical Oxygen Demand (BOD) 3 days at 27°C	IS 3025 (Part 44)	mg/l	12	Max.30
5	Chemical Oxygen Demand (COD)	5220 B- APHA 24th Edn	mg/l	54	Max.250
6	Chloride as Cl	4500 Cl- B- APHA 24th Edn	mg/l	149	Max.1000
7	Sulphate as SO_4	4500 SO4 E- APHA 24th Edn	mg/l	52	Max.1000
8	Oil & Grease	5520 O&G B - APHA 24th Edn (Partition Gravimetric Method)	mg/l	BLQ(LOQ:2.0)	Max.10
9	Temperature	2550 B- APHA 24th Edn	°C	30.1	Max.40
10	Particle Size of Suspended Solids	CTL/SOP/WATER/61	-	Passed through IS 850 Micron Sieve	Shall pass 850 micron I.S. Sieve
11	Total Residual Chlorine	4500 Cl B- APHA 24th Edn	mg/l	BLQ(LOQ:0.1)	Max.1.0
12	Ammonical Nitrogen as N	4500 NH3 B, C - APHA 24th Edn	mg/l	BLQ(LOQ:0.1)	Max.50

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification: Max. - Maximum

*Limits as per TNPCB Norms for Treated Effluent

Remarks: The sample complies the limits TNPCB for Treated Effluent with respect to the parameters tested

Statement of conformity is applied considering Decision rule as per CTL/QSP/16

*****END OF REPORT*****

Verified by

For Chennai Testing Laboratory Pvt ltd

Authorised Signatory

A. RAJ KUMAR
SENIOR MANAGER
(CHEMICAL)

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India

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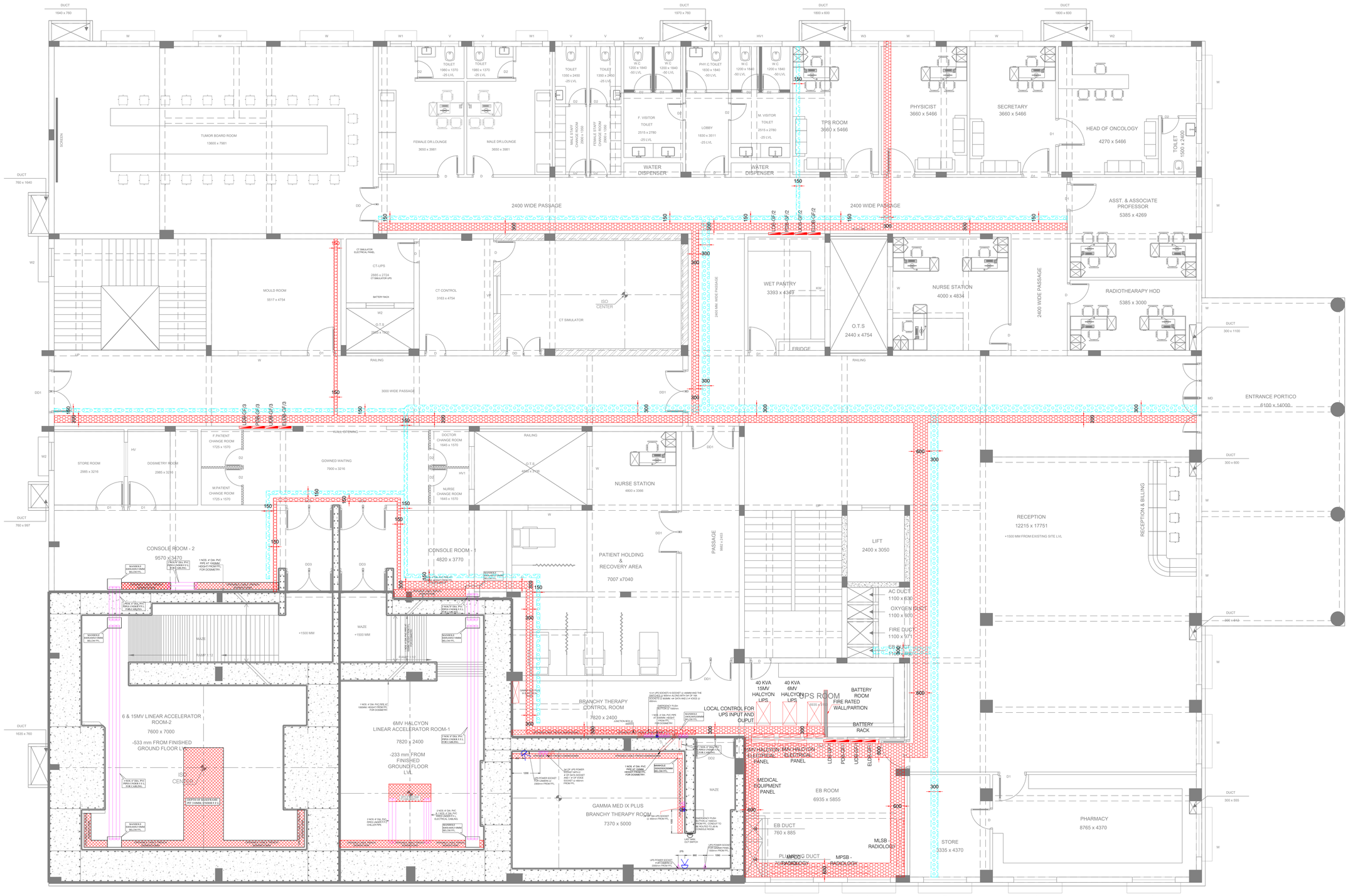
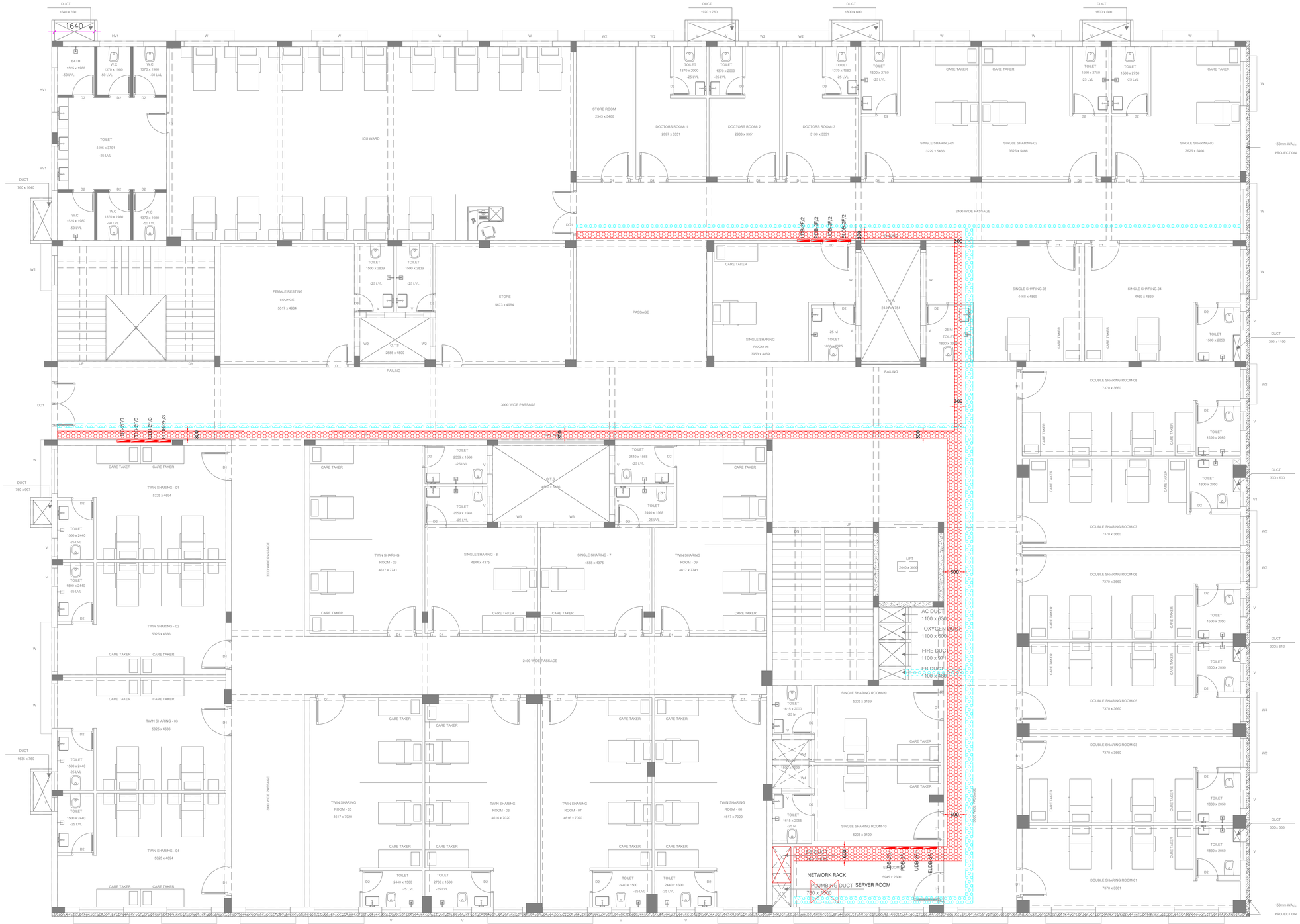
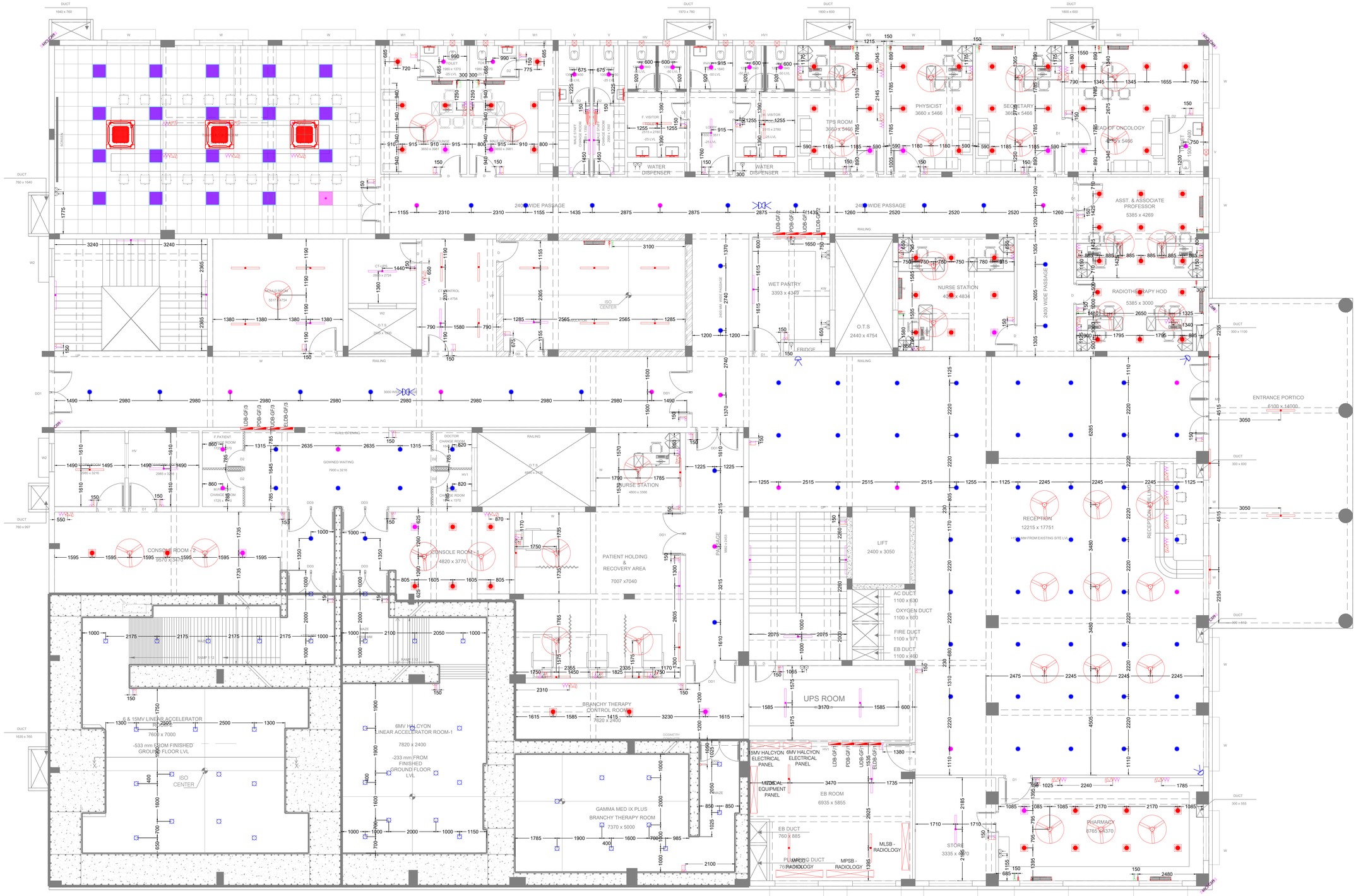
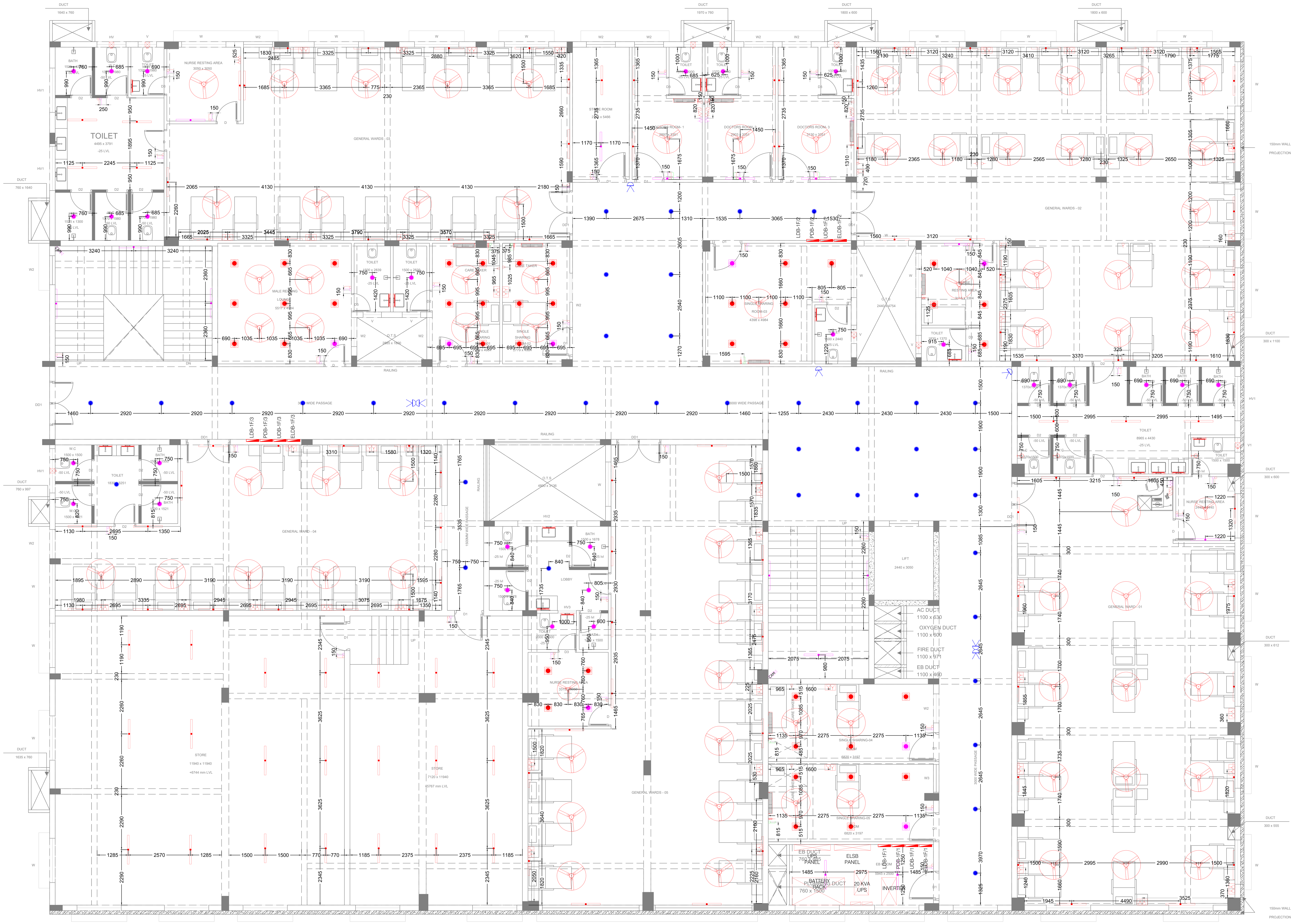
Annexure 22
Pipeline Layouts

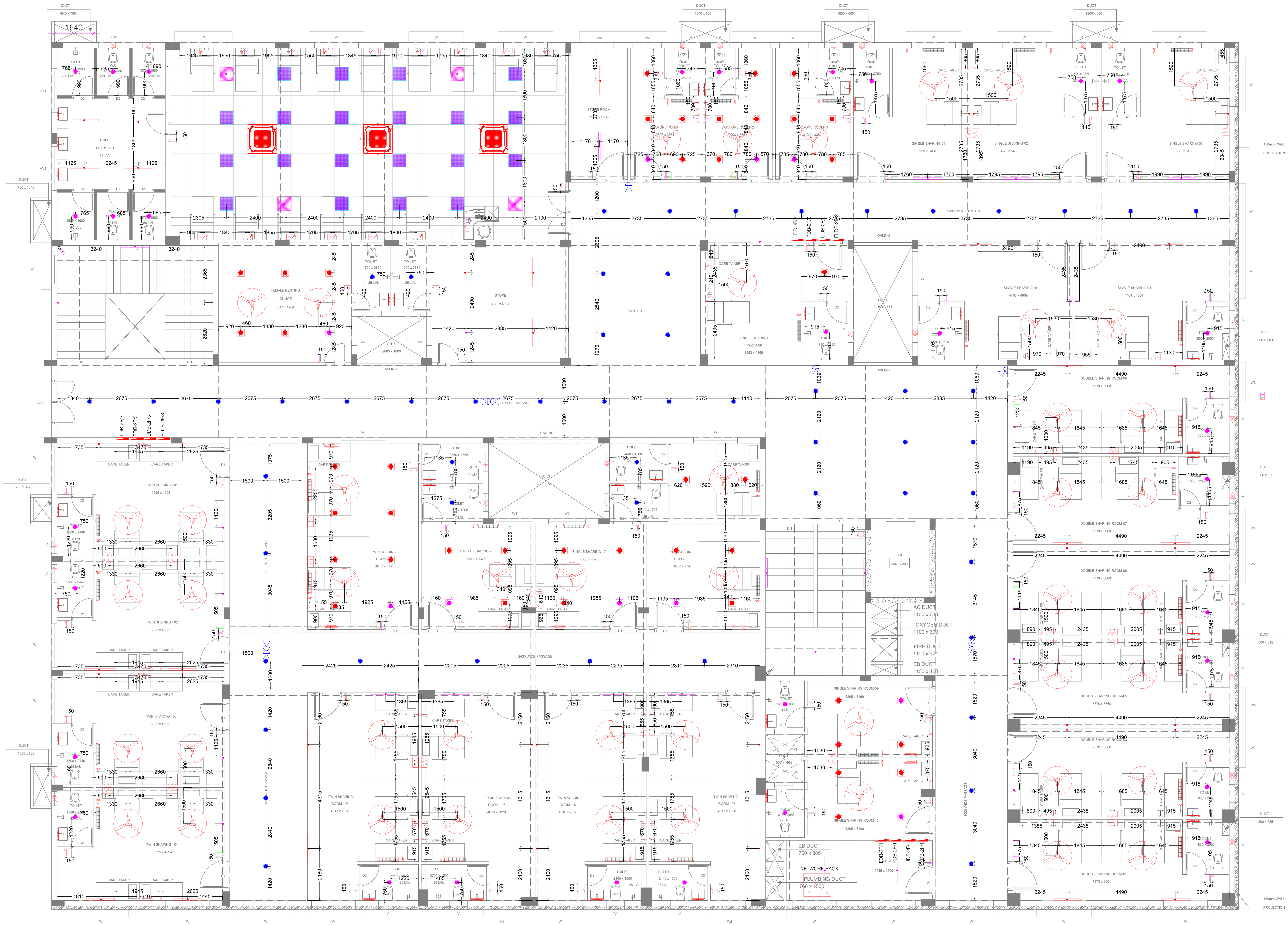

TUMOR BOARD ROOM
13600 x 7981
SCREEN
FEMALE DR.LOUNGE
3650 x 3981
MALE DR.LOUNGE
3650 x 3981
TOILET
1980 x 1370
-25 LVL
MALE STAFF CHANGE ROOM
2900 x 1500
FEMALE STAFF CHANGE ROOM
2900 x 1000
TOILET
1500 x 2450
-25 LVL
W.C
1200 x 1840
-50 LVL
F. VISITOR TOILET
2515 x 2780
-25 LVL
LOBBY
1830 x 3511
-25 LVL
M. VISITOR TOILET
2515 x 2780
-25 LVL
PHY.C.TOILET
1830 x 1840
-50 LVL
WATER DISPENSER
TPS ROOM
3660 x 5466
PHYSICIST
3660 x 5466
SECRETARY
3660 x 5466
HEAD OF ONCOLOGY
4270 x 5466
TOILET
1500 x 2400
ASST. & ASSOCIATE PROFESSOR
5385 x 4269
RADIOTHEARAPY HOD
5385 x 3000
2400 WIDE PASSAGE
NURSE STATION
4000 x 4834
WET PANTRY
3393 x 4349
FRIDGE
O.T.S
2440 x 4754
2400 MIN. WIDE PASSAGE
ISO CENTER
CT SIMULATOR
CT SIMULATOR ELECTRICAL PANEL
CT-UPS
2695 x 2724
CT SIMULATOR UPS
BATTERY RACK
CT CONTROL
3163 x 4754
MOULD ROOM
5517 x 4754
O.T.S
2945 x 7932
3000 WIDE PASSAGE
RAILING
WALL OF INNING
F.PATIENT CHANGE ROOM
1725 x 1570
M.PATIENT CHANGE ROOM
1725 x 1570
STORE ROOM
2985 x 3216
DOSIMETRY ROOM
2985 x 3216
GOWNED WAITING
7900 x 3216
DOCTOR CHANGE ROOM
1645 x 1570
NURSE CHANGE ROOM
1645 x 1570
NURSE STATION
4800 x 3366
PASSAGE
9902 x 2433
PATIENT HOLDING & RECOVERY AREA
7007 x7040
LIFT
2400 x 3050
RECEPTION
12215 x 17751
+1500 MM FROM EXISTING SITE LVL
RECEPTION & BILLING
ENTRANCE PORTICO
6100 x 14000
PHARMACY
8765 x 4370
STORE
3335 x 4370
CONSOLE ROOM - 2
9570 x3470
CONSOLE ROOM - 1
4820 x 3770
MAZE
+1500 MM
RAMP 1:2
6 & 15MV LINEAR ACCELERATOR ROOM-2
7600 x 7000
-533 mm FROM FINISHED GROUND FLOOR LVL
6MV HALCYON LINEAR ACCELERATOR ROOM-1
7820 x 2400
-233 mm FROM FINISHED GROUND FLOOR LVL
GAMMA MED IX PLUS BRANCHY THERAPY ROOM
7370 x 5000
BRANCHY THERAPY CONTROL ROOM
7820 x 2400
LOCAL CONTROL FOR UPS INPUT AND OUTPUT
UPS ROOM
40 KVA 15MV HALCYON UPS
40 KVA 6MV HALCYON UPS
BATTERY ROOM FIRE RATED WALL/PARTION
BATTERY RACK
6MV HALCYON ELECTRICAL PANEL
BMH HALCYON ELECTRICAL PANEL
MEDICAL EQUIPMENT PANEL
EB ROOM
6935 x 5855
EB DUCT
760 x 885
MLSB - RADIOLOGY
MPSB - RADIOLOGY
PLUMBING DUCT
AC DUCT
1100 x 630
OXYGEN DUCT
1100 x 600
FIRE DUCT
1100 x 970
EB DUCT
1100 x 1060
DUCT
1640 x 760
1970 x 760
1800 x 600
780 x 1640
760 x 997
1635 x 760
300 x 1100
300 x 600
300 x 612
300 x 555
LDR-GF/3
PDR-GF/3
UDR-GF/3
ELDR-GF/3
LDR-GF/2
PDR-GF/2
UDR-GF/2
ELDR-GF/2

DUCT 1640 x 760
DUCT 1970 x 760
DUCT 1800 x 600
DUCT 1800 x 600
DUCT 760 x 1640
DUCT 760 x 997
DUCT 1635 x 760
DUCT 300 x 1100
DUCT 300 x 600
DUCT 300 x 612
DUCT 300 x 555
150mm WALL PROJECTION
150mm WALL PROJECTION
BATH 1525 x 1300 -50 LVL
W.C 1370 x 1980 -50 LVL
TOILET 1370 x 1980 -25 LVL
NURSE RESTING AREA 3050 x 3050
TOILET 4495 x 3791 -25 LVL
GENERAL WARDS - 03
STORE ROOM 2343 x 5466
TOILET 1370 x 2000 -25 LVL
TOILET 1370 x 2000 -25 LVL
TOILET 1370 x 1980 -25 LVL
DOCTORS ROOM- 1 2897 x 3351
DOCTORS ROOM- 2 2903 x 3351
DOCTORS ROOM- 3 3130 x 3351
GENERAL WARDS - 02
BATH 1525 x 1300 -50 LVL
W.C 1370 x 1980 -50 LVL
W.C 1370 x 1980 -50 LVL
MALE RESTING LOUNGE 5517 x 4984
TOILET 1500 x 2839 -25 LVL
TOILET 1500 x 2839 -25 LVL
CARE TAKER
CARE TAKER
SINGLE SHARING ROOM-01 2779 x 4984
SINGLE SHARING ROOM-02 2779 x 4984
SINGLE SHARING ROOM-03 4398 x 4984
TOILET 1500 x 2440 -25 LVL
O.T.S 2440 x 4754
TOILET 1830 x 1370 -25 LVL
NURSE RESTING AREA 2440 x 3364
RAILING
RAILING
UP
DN
3000 WIDE PASSAGE
3000 WIDE PASSAGE
UDB-1F/3
PDB-1F/3
UDB-1F/3
ELDB-1F/3
UDB-1F/2
PDB-1F/2
UDB-1F/2
ELDB-1F/2
UDB-1F/2
PDB-1F/2
UDB-1F/2
ELDB-1F/2
300
300
300
600
600
W.C 1500 x 1500 -50 LVL
BATH 1500 x 1500 -50 LVL
TOILET 1630 x 3051
W.C 1500 x 1521 -50 LVL
BATH 1500 x 1521 -50 LVL
GENERAL WARD - 04
O.T.S 5940 x 4138
RAILING
1500MM WIDE PASSAGE
W.C 1500 x 1638 -25 M
BATH 1500 x 1678
LOBBY
W.C 1500 x 1678 -25 M
TOILET 1500 x 1500 -25 M
BATH 1200 x 1500
NURSE RESTING AREA 3315 x 3050
LIFT 2440 x 3050
AC DUCT 1100 x 630
OXYGEN DUCT 1100 x 600
FIRE DUCT 1100 x 97
EB DUCT 1100 x 400
CARE TAKER
SINGLE SHARING-04 ROOM 6820 x 3197
CARE TAKER
SINGLE SHARING-05 ROOM 6820 x 3197
STORE 11940 x 11940 +6744 mm LVL
STORE 7120 x 11940 +5767 mm LVL
GENERAL WARDS - 05
EB DUCT 1100 x 400
EB PANEL
BATTERY RACKS DUCT 760 x 1500
20 KVA UPS
5945 x 2500 -150 MM
INVERTER
W.C 1370x1500 -50 LVL
W.C 1370x1500 -50 LVL
BATH 1370x1500 -50 LVL
BATH 1370x1500 -50 LVL
BATH 1370x1500 -50 LVL
TOILET 8965 x 4430 -25 LVL
TOILET 1500 x 1500 -25 M
NURSE RESTING AREA 2440 x 2440
GENERAL WARD - 01


DUCT
1640 x 760
1640
HV1
W
BATH
1525 x 1980
-50 LVL
W.C
1370 x 1980
-50 LVL
TOILET
4495 x 3791
-25 LVL
ICU WARD
STORE ROOM
2343 x 5466
DOCTORS ROOM- 1
2897 x 3351
DOCTORS ROOM- 2
2903 x 3351
DOCTORS ROOM- 3
3130 x 3351
TOILET
1970 x 760
TOILET
1370 x 2000
-25 LVL
TOILET
1370 x 1980
-25 LVL
TOILET
1500 x 2750
-25 LVL
CARE TAKER
SINGLE SHARING-01
3229 x 5466
SINGLE SHARING-02
3625 x 5466
SINGLE SHARING-03
3625 x 5466
1800 x 600
150mm WALL
PROJECTION
2400 WIDE PASSAGE
DUCT
760 x 1640
FEMALE RESTING
LOUNGE
5517 x 4984
STORE
5673 x 4984
PASSAGE
TOILET
1500 x 2839
-25 LVL
O.T.S
2885 x 1800
RAILING
3000 WIDE PASSAGE
SINGLE SHARING
ROOM-06
3953 x 4869
DUCT
2440 x 1754
SINGLE SHARING-05
4468 x 4869
SINGLE SHARING-04
4469 x 4869
TOILET
1615 x 2205
-25 M
TOILET
1830 x 2050
DOUBLE SHARING ROOM-08
7370 x 3660
DUCT
300 x 1100
DUCT
760 x 997
TWIN SHARING - 01
5325 x 4694
TOILET
1500 x 2440
-25 LVL
TWIN SHARING - 02
5325 x 4636
TWIN SHARING - 03
5325 x 4636
TWIN SHARING - 04
5325 x 4694
TWIN SHARING
ROOM - 09
4617 x 7741
SINGLE SHARING - 8
4644 x 4375
SINGLE SHARING - 7
4588 x 4375
TWIN SHARING
ROOM - 09
4617 x 7741
TOILET
2559 x 1568
-25 LVL
TOILET
2440 x 1568
-25 LVL
O.T.S
5900 x 3100
2400 WIDE PASSAGE
LIFT
2440 x 3050
AC DUCT
1100 x 630
OXYGEN DUCT
1100 x 600
FIRE DUCT
1100 x 971
EB DUCT
1100 x 760
DUCT
1635 x 760
TWIN SHARING
ROOM - 05
4617 x 7020
TWIN SHARING
ROOM - 06
4616 x 7020
TWIN SHARING
ROOM - 07
4616 x 7020
TWIN SHARING
ROOM - 08
4617 x 7020
SINGLE SHARING ROOM-09
5205 x 3169
SINGLE SHARING ROOM-10
5205 x 3109
TOILET
1615 x 2000
-25 M
TOILET
1615 x 2055
-25 M
TOILET
1615 x 2205
-25 M
TOILET
1830 x 2205
SERVER ROOM
5945 x 2500
NETWORK RACK
PLUMBING DUCT
760 x 3500
LDB-GF-01
PDB-GF-01
UDB-GF-01
ELDB-GF-01
DOUBLE SHARING ROOM-07
7370 x 3660
DOUBLE SHARING ROOM-06
7370 x 3660
DOUBLE SHARING ROOM-05
7370 x 3660
DOUBLE SHARING ROOM-03
7370 x 3660
DOUBLE SHARING ROOM-01
7370 x 3361
DUCT
300 x 600
DUCT
300 x 612
DUCT
300 x 555
150mm WALL
PROJECTION


PATIENT TOILET
WATER DISPENSER
2400 WIDE PASSAGE
TPS ROOM
3660 x 5466
PHYSICIST
3660 x 5466
SECRETARY
3660 x 5466
HEAD OF ONCOLOGY
3660 x 5466
ASST. & ASSOCIATE PROFESSOR
5385 x 4269
RADIOTHERAPY HOD
5385 x 3000
NURSE STATION
4000 x 4834
WET PANTRY
3393 x 4345
O.T.S
2440 x 4754
ISO CENTER
ENTRANCE PORTICO
6100 x 14000
CONSOLE ROOM - 2
9570 x 3470
CONSOLE ROOM - 1
4820 x 3770
PATIENT HOLDING & RECOVERY AREA
7007 x7040
LIFT
2400 x 3050
RECEPTION
12215 x 17751
BRANCHY THERAPY CONTROL ROOM
7820 x 2400
UPS ROOM
6 & 15MV LINEAR ACCELERATOR
7600 x 7000
6MV HALCYON LINEAR ACCELERATOR ROOM-1
7820 x 2400
GAMMA MED IX PLUS BRANCHY THERAPY ROOM
7370 x 5000
EB ROOM
6935 x 5855
PHARMACY
8765 x 4370
STORE
3335 x 4880
NOVALD ROOM
5517 x 4754
GOWNED WAITING
7900 x 3216
RECEPTION CEILING


TOILET
AC DUCT
1100 x 630
OXYGEN DUCT
1100 x 600
FIRE DUCT
1100 x 971
EB DUCT
1100 x 460
ELSB
PANEL
20 KVA
UPS
BATTERY
RACK
INVERTER
RAILING



FEMALE RESTING LOUNGE
STORE
PASSAGE
SINGLE SHARING
TWIN SHARING
DOUBLE SHARING ROOM
CARE TAKER
TOILET
AC DUCT
1100 x 630
OXYGEN DUCT
1100 x 600
FIRE DUCT
1100 x 971
EB DUCT
1100 x 460
EB DUCT
760 x 665
NETWORK RACK
PLUMBING DUCT
760 x 1500
LIFT
RAILING
DUCT

Annexure 23
Disaster Management and Safety Plan

Risk Assessment, Disaster Management and Safety Measures Plan

Risk Assessment

A well-defined Risk Management Plan is in place as the project is existing and in operation.

- Operation Phase

Disaster Managment plan is broadly classified as follows.

- Pre-emergency Preparedness
- Emergency Actions
- Post emergency activities

Pre-emergency Preparedness:

These activities are carriedout in normal situation without any reference to any incidents by the occupants. They are precautionary in nature which includes

- Internal Safety
- Fire Fighting System Testing
- Emergency Lights
- Liason with state authorities
- Hospital Activities
- Outside shelters
- Monitoring of Weather Forecastings
- Warning Systems
- Awareness Generation
- Traditional Practices
- Better co-ordination

Emergency Actions:

Primary mass disaster potential for the area is fire and water damage. Fire has immediate response that can be delivered by the occupants or nearby Fire service Departments.Identified Water and Climate Related Disasters are as follows

1. Floods 2. Cyclones 3.Fire 4.Lightning

Emergency Communication System

An efficient communication system is absolutely essential for the success of any disaster management plan. Different types of alarms to differentiate types of emergencies will be provided. If this fails messenger will be used for communication. Limiting calls to save batteries and utilize internet wherever signals possible.

Emergency Planning

An emergency evacuation plan based on the local need and facilities available prepared which will include

- Demarcation of area to be evacuated with priorities
- Safe areas and shelter
- Security of property left behind the evacuated areas

- Elaborate fire fighting arrangement as per the requirement of National Building code Part –IV as detailed below.

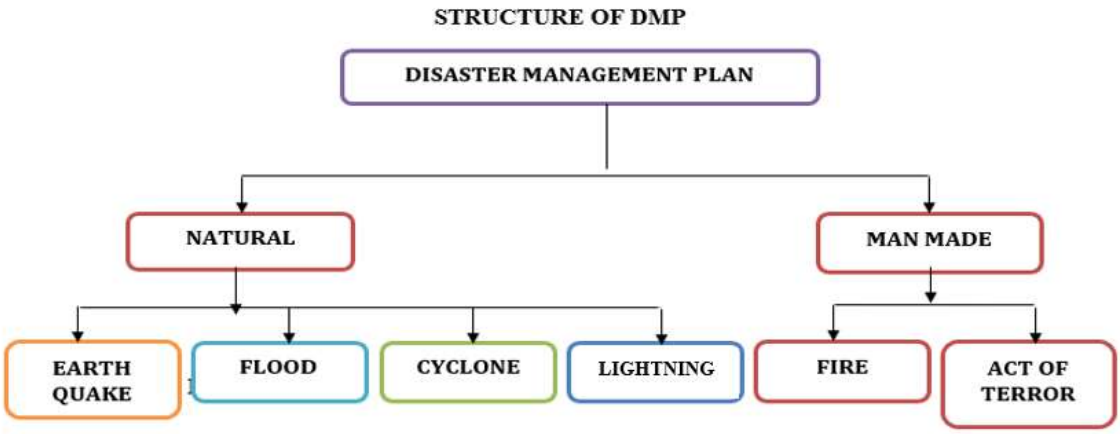
Assembly Points

Assembly points to be setup farthest from the location of likely hazardous events. The locations near to the entrance gate is one of the safest places. This can be common assembly point.

In general, disaster management is a continuous process that aims to manage and minimize hazards. Under disaster response, there are a variety of actions to take like evacuation quarantine and mass decontamination. Disaster management has its own advantages. Some of these are:

- Reduces the effects of a disaster
- Gives the chance to survive, no matter what kind of a disaster occurs and irrespective of when it occurs
- Gives you peace of mind from the uncertainties of close encounters to unexpected and dangerous natural events
- Minimize the effects of the accident on people and property
- Initiate the rescue and medical treatment of casualties;
- Bring the incident under control
- Preserve relevant records and equipment for the subsequent enquiry into the cause and circumstances of the emergency
- Investigate and take steps to prevent recurrence of similar incidents
- Inform and collaborate with statutory local and state authorities

Emergency Assembly Point



Operation Phase

During operation phase the identification of probable risk, hazards, and credible accident analysis and consequence analysis, which give a broad identification of risk involved are addressed in the form of Disaster Management Plan (DMP) as mentioned below.

Disaster Management Plan:

Disaster is a threat to society. DMP deals with preparations to reduce the impacts of Natural and Man-Made Disasters. Need for preplanned DMP is to provide effective and timely relief during Disaster in a organized manner.

Hazard Identification and Safety Assessment

Identification of potential structural hazards existing in the area

Structural safety of the building needs to be assessed with regards to its safety from hazards like earthquakes, cyclones, floods and fire.

Identification of potential non-structural hazards existing in the area

DMC plan in that position to identify the potential hazards that frequently occur in that area. It is therefore necessary for us to identify potential hazards to which the building might be exposed. For this a hazard assessment shall be conducted by taking into account the history of disasters that have occurred in that area for the last 50 years. Based on the hazard assessment, the members of the DMC will prepare the Disaster Management Plan.

- **Points to remember while coordinating a survey**
  - Through survey of the building and surrounding area such as low-lying area, nallah, pitch hill or any municipal tank etc.
  - The areas which would cause problems in an earthquake, flood, cyclone, fire is identified.

NATURAL DISASTER:

EARTHQUAKE: SEISMIC ENVIRONMENT & PRECAUTIONS

Mitigation measure:

- As per the Seismic Zoning Map of India, this region falls under Seismic Zone-III. The structural design shall be certified as per IS reference code 1893 – 1984 and IS 13920-1993 criteria for earthquake resistant design of structures.

CYCLONES:

Cyclones are caused by atmospheric disturbances around a low-pressure area distinguished by swift and often destructive air circulation. They are usually accompanied by violent storms and bad weather. However, in such an instance the Occupants will be advised to stay in the shelter in tightly secured windows and doors. The glass of windows etc. should be covered with paper/cardboards to avoid glass breaking due to flying objects outside.

FLOODS:

The proposed project site is located in Palyanoor & Moosivakkam Village, Maduranthakam Taluk, Chengalpattu district, Tamil Nadu. In Terms of Water damage which can be caused via storm / cyclone / unprecedented rainfall to the infrastructure and cause flooding In event of heavy rainfall generated by monsoon the site may get surrounded by flood.

Flood Safety Provisions

The objective of flood safety provisions is to save lives. In the design of the project adequate measures is being taken as per the provisions of the National Disaster Management Act 2015. The fighting system will comprise the following

- Construction of Storm Water Drains
- Flood Protection walls
- Heavy Duty Pumps
- Life saving Equipments

Emergency Response for Flood

- Take immediate steps to stop flood entering the site and raise alarm simultaneously
- Stop all operations
- Electrical system except the emergency lighting system to be isolated.
- Ensure Rediness of Heavy duty Pump systems in the areas involved or exposed to flood.
- Incase of Flood in the surroundings and inability to stop the flow, take all precautions to avoid loss of life.
- Inform Authorities of Chengalpattu Municipality and enlist support if warranted.
- Specific instructions for occupants related to evacuation procedures, including routes and exits
- Procedures for accounting for occupants, employees and visitors

Warning System

- Flood Watch: **Flooding is possible. Monitor radio and television stations for more information.**
- Flash Flood Watch: **Flash flooding is possible. Be prepared to move to higher ground; monitor radio and television stations for more information.**

- Flood Warning: **Imminent threat - Flooding is occurring or will occur soon; if advised to evacuate, do so immediately.**
- Flash Flood Warning: **Imminent threat - A flash flood is occurring or will occur soon; seek higher ground on foot immediately.**
- Flood Forecasting is recognized as the most important, reliable and cost-effective method for mitigation. If received information about the possibility of flash flooding, be prepared to move to higher ground immediately. In all cases, should be prepared to evacuate before water levels rise and potentially cut off evacuation routes

Actions in event of Flood

- Ensure De-sliting of Storm water Channel upto the nallah running through the Site for free flow of water.
- Diversion of Flood water from one channel to another channel for fast draining of flood water.
- Usage of Heavy duty pumps to drain flood water
- Usage of life saving equipments during evacuation.

Mitigation measures would be taken by Proponents to manage flood disasters:

- Storm water system will be checked and cleaned periodically
- Mapping the areas within or leading in or out of the building that will be water logged, flooded or isolated due to the flood. The areas will be marked after completion of the project (as final ground levels etc. will be available after completion)
- Dewatering pumps will be installed at vulnerable locations
- Drain has been designed to carry runoff generated from the rainfall
- Self-cleansing velocity (velocity >0.80) has been maintained to prevent the deposition of silt in drains.
- Silt collecting pit at manhole has been proposed at regular interval for drains

FIRE:

Construction phase

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

1) Drums filled with water of 2000 liters capacity with 2 fire buckets on each floor.
2) Water storage tank with 20000 liters capacity which is used for the construction and other purposes.

Operation Phase

1) Automatic fire alarm will be installed in all the floors.
2) Fire extinguishers
3) The external enclosing walls of the staircase of the brick or the R.C.C. construction having fire resistance of not less than two hours will be provided. All enclosed staircases will have access through self-closing door of one-hour fire resistance. These will be single swing doors opening in the direction of the escape as per NBC 2016 norms.

4) No obstruction like transformer, DG sets will be provided in the setback area in order to ease the movement of firefighting trucks.

Fire Extinguishers

In addition to fire protection system the portable fire extinguishers of various types are provided in each apartment block, pump room, transformer room, DG room for fighting light hazard fire. All the extinguishers used in the project area would be with BIS mark and are located at an easily accessible position without obstructing the normal passage.

Portable Fire Extinguishers:

The number and location of portable fire extinguishers are depending on the size and use of the building. There are different types of Extinguishers for special fires, such as carbon-di-oxide, Dry Chemical powder and Foam type etc. Different types of Fire extinguishers have different characters and therefore, an appropriate type of Fire Extinguisher is required to be used. Portable fire extinguishers are provided at locations mentioned below,

- Dry chemical powder type fire extinguisher of capacity 5 / 10 kilograms fitted with gun metal cap, high pressure carbon-dioxide cartridge, with suitable mounting brackets conforming to IS 2171 near car parking lots, main switch board room, transformer, generator room, pump room and lift machine room.
- Water expelled carbon-dioxide type fire extinguisher of capacity 9 liters fitted with gunmetal cap, high pressure carbon-dioxide gas cartridge, with brackets conforming to IS 940 located near each staircase landing on every floor.
- Carbon dioxide type fire extinguishers of capacity 2 / 4.5 kilograms fitted with valve, discharge horn conforming to IS 2878, located in electrical panel room, pump room and lift machine room.

Firewater Storage Tanks:

As per National Building Code (NBC) of India, Fire Water storage sump & Over Head Tank capacity proposed at the Project area defined in the table below:

S.NO	Description	Capacity
1	**Fire OHT**	25 KL – 2 Nos, 9 KL – 1 Nos
2	**Fire Sump**	UG Fire Sump -250 KL

Fire License

KVET Institutional Buildings has obtained Fire License dated: 20.01.2025 valid until 19.01.2026 form DFRS

PESO License

KVET Hospital has obtained PESO License for storage of medical oxygen gas vide license no: S/SC/TN/03/168 (S100231) dated 17.01.2022

Addressable Fire Detection and Alarm System:

Addressable analogue type fire detection and alarm system shall be provided on all floors in the Institutional building as per National Building Code (NBC) of India 2016, Part 4, Fire and Life Safety and as per IS:2189.

The Fire detection and alarm system shall be consisting with the following,

- Addressable analogue Fire detection & alarm control panel with graphic workstation.
- Manual pull stations (break glass type)
- Electronics Hooters cum strobes.
- Conduits / Wiring.

It is essential that when a fire breakout, it is detected as soon as possible. The earlier actions are taken, the greater the possibility of minimizing damage and loss in terms of human lives and property. This includes an early warning, initial protection systems for safety of occupants and fire brigades and for the control of fire. Fire detectors are essentially sensing units located at strategic locations to detect one or more of the three characteristics of a fire, smoke, heat or flame. Choice of the type of detectors for particular premises depends on the type of fire hazard present and the conditions prevailing in and around the premises. In some cases, it may be useful to combine different types of detectors for early detection of fire.

Manual call points and hooters are installed at strategic location (preferably at entry / exit) to enable easy access and audibility. In the event of fire, the occupant who is rushing through the staircase can operate the manual call point.

On operation of the manual call point the control panel, which is located in the centralized, location, being monitored around the clock, initiates an alarm through the electronics hooters (External sounders), while registering the affected zone. Hooter cum strobes shall be installed in physically challenged rooms. Further it is proposed to extend the fire alarm panel signals/indications.

Public Address System:

A public address system comprise speakers located at various strategic locations on different floors installed close to the fire alarms. In the event of actuation of any detector or manual call point on a particular floor, the security personnel or occupants can operate the public address speaker on concurrence with Institution Head. The building will be equipped with fire sprinkler system.

Fire Hose Reel System

Fire Pump Room

Fire Exit

Fire Extinguisher

Sprinkler System

Photo showing Firefighting System

LIGHTNING:

Lightning is an atmospheric electrostatic discharge accompanied by thunder which typically occurs during thunderstorms and sometimes during volcanic eruptions or dust storms. It often leads to physical damage to the building and employees. It can also lead to short circuits, failure of power supply and fire.

Mitigation measure:

- Do not stand out in open spaces
- Do not use plugin power tools
- Do not use carders, telephones, mobiles and computer accessories.
- Avoid showering or bathing – plumbing and bathroom fixtures can conduct electricity

MAN MADE DISASTER

BOMBS & OTHER TERRORIST ACTIVITIES:

Bombs can be constructed to look like almost anything and can be placed or delivered in any number of ways. The probability of finding a stereotypical- looking bomb is almost nonexistent. The only common denominator among bombs is that they are designed to explode. Most bombs are homemade. Only the imagination of and the resources available to the bomber limit their design. When searching for a bomb, suspect anything that looks unusual. Let the trained technician determine what is or is not a bomb.

Mitigation Plan

Safety Procedure

To cope with a bomb incident, it is necessary to develop two separate but interdependent plans. The bomb incident plan provides the detailed procedures to be implemented when a bombing attack is threatened or executed. A physical security plan, which is covered in detail in the next section, provides protection of property, personnel, facilities, and material against unauthorized entry, trespass, damage, sabotage, or other illegal or criminal acts.

To carry out these plans, a definite chain of command must be established to achieve confidence and avoid panic. This is easy if there is a simple structure, or one business, in the building. However, in a multiple-tenant building a representative from each tenant should attend a planning conference. A leader—the Facility Head & Security In-charge— should be appointed and a clear line of succession delineated. This chain of command should be printed and circulated to all concerned parties. There should also be a command center to act as a focal point for telephone or radio communications. The management personnel assigned to operate the center should have the authority to decide what action is to be taken during the threat. Only those with assigned duties should be permitted in the center, and alternates need to be appointed in case some-one is absent when a threat is received. In addition, an updated blueprint or floor plan of the building should be obtained and kept in the command center.

Contact the police department, fire department, or local government agencies to determine if any assistance is available for developing a physical security plan or bomb incident plan. If possible,

have police or fire department representatives and building and tenant staff inspect the building for areas where explosives are likely to be concealed.

Other Security Mitigation Measures to Reduce the Threat of Bombs

Controls should be established to positively identify personnel who have authorized access to critical areas and to deny access to unauthorized personnel. These controls should include inspection of all packages and materials being taken into critical areas, as well as the following:

- Security and maintenance personnel should be alert for people who act in a suspicious manner, as well as objects, items or parcels that look out of place or suspicious. Surveillance should be established to include potential hiding places (e.g., stairwells, restrooms, and any vacant space) for unwanted individuals. Designated patrols of such areas will assist in this endeavor.
- Doors or access ways to certain areas—mechanical rooms, switchboards, and control rooms—should remain locked when not in use. It is important to establish a procedure to keep track of keys. If keys cannot be accounted for, locks should be changed.
- Good housekeeping also is vital. Trash or dumpster areas should remain free of debris. A bomb or device can easily be concealed in the trash. Combustible materials should be properly disposed of, or protected if further use is anticipated.
- Detection devices may be installed at entrances to high-risk tenant areas, and CCTV should be used in areas identified as likely places where a bomb may be placed. This, coupled with posting signs indicating that such measures are in place, is a good deterrent.
- Perhaps entrances and exits can be modified with a minimal expenditure to channel all visitors through someone at a reception desk. Individuals entering the site would be required to sign a register indicating the name of the person they wish to visit. Occupants at their hostel/quarters could contact the security and inform the person to be visited and advise him or her that a visitor, by name, to be permitted.

Evacuation Path

The Road to the entrance gate is quite wide no hazardous installation besides the road. This road can be taken as Evacuation path. The occupants of floors above and below should use exit stairs to descend to floor level. It is never appropriate to use elevator during building emergency.

Emergency Evacuation Path

Annexure 24
Ground water monitoring report

CHENNAI
Testing redefined
TESTING LABORATORY PRIVATE LIMITED
CIN : U93000TN2000PTC043869

TC-14314

TEST REPORT

Test Report No & Date	**CTL/CH/N-21124/2025-26 & 10.10.2025**
Sample Number	**N-21124/25-26**
Name of the Customer	**M/s. Karpaga Vinayaga Educational Trust,**
Address	P.O, GST Road, Chinna Kolambakkam, Palayanoor,Maduranthakam- 603 308.
Sample Drawn by	Laboratory
Sample Name	Ground Water
Sample Description	**Borewell Water**
Sampling Location	**Hospital**
Sample Drawn on	29.09.2025
Sample Received on	29.09.2025
Sampling Plan & Procedure	CTL/QSP/09
Sample Quantity	2 Litres + 100ml (sterile container)
Sample Condition	Good & Received in Plastic container
Environmental Conditions	Temperature- 33.9°C and Humidity- 57.1%
Equipment used for Sampling	NA
Analysis Started on	29.09.2025
Analysis Completed on	10.10.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL & BIOLOGICAL

GROUP : WATER

Physical Appearance: Slightly turbid liquid

S. NO	PARAMETERS	METHOD	UNITS	RESULTS	Limits As per IS 10500:2012 (Reaffirmed 2023)*	
					Acceptable Limit	Permissible Limit in the Absence of Alternate source
1	Colour	IS 3025 (Part 4)	HU	2	Max.5.0	Max.15.0
2	Odour	IS 3025 (Part 5)	-	Agreeable	Agreeable	Agreeable
3	Turbidity	IS 3025 (Part 10)	NTU	2	Max.1.0	Max.5.0
4	pH @ 25°C	IS 3025 (Part 11)	-	7.6	6.5 - 8.5	No relaxation
5	Total Dissolved Solids	IS 3025 (Part 16)	mg/l	1030	Max.500	Max.2000
6	Total Hardness as $CaCO_3$	IS 3025 (Part 21)	mg/l	518	Max.200	Max.600
7	Calcium as Ca	IS 3025 (Part 40)	mg/l	127	Max.75	Max.200
8	Magnesium as Mg	IS 3025 (Part 46)	mg/l	49	Max.30	Max.100
9	p-Alkalinity as $CaCO_3$	IS 3025 (Part 23)	mg/l	BLQ(LOQ:2.0)	-	-
10	Total Alkalinity as $CaCO_3$		mg/l	468	Max.200	Max.600
11	Chloride as Cl^-	IS 3025 (Part 32)	mg/l	235	Max.250	Max.1000
12	Sulphate as SO_4	IS 3025 (Part 24/sec -1)	mg/l	82	Max.200	Max.400
13	Iron as Fe	IS 3025 (Part 53)	mg/l	0.11	Max.0.3	No relaxation
14	Silica as SiO_2	IS 3025 (Part 35)	mg/l	55	-	-
15	Carbonate Hardness	IS 3025 (Part 21)	mg/l	468	-	-
16	Non Carbonate Hardness	IS 3025 (Part 21)	mg/l	50	-	-

Verified by

For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

A. RAJ KUMAR
SENIOR MANAGER
(CHEMICAL)

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India
Phone : +91-44-2250 1757 | E-mail : chennaitesting@chennaitestinglab.com www.ctllabs.in

CHENNAI
Testing redefined
TESTING LABORATORY PRIVATE LIMITED
CIN : U93000TN2000PTC043869

TC-14314

TEST REPORT

Test Report No & Date	CTL/CH/N-21124/2025-26 & 10.10.2025

S. NO	PARAMETERS	METHOD	UNITS	RESULTS	Limits As per IS 10500:2012 (Reaffirmed 2023)*	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate source
Microbiology:						
17	Total Coliform	IS 15185	Per 100ml	Absent	Shall not be detectable in any 100ml of sample	
18	*E. coli*		Per 100ml	Absent		

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification: Max. - Maximum

*As per Drinking Water Specification IS 10500:2012 (Reaffirmed 2023)

Remarks: The sample complies the permissible limits IS 10500: 2012 Drinking water specification with respect to the parameters tested

Statement of conformity is applied considering Decision rule as per CTL/QSP/16

END OF REPORT

For Chennai Testing Laboratory Pvt Ltd

Verified by

Authorised Signatory

R. JAYAVARTHANAN
Manager
(MICROBIOLOGY)

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India

Phone : +91-44-2250 1757 | E-mail : chennaitesting@chennaitestinglab.com www.ctllabs.in

Annexure 25
E waste Disposal

PLANET SAVERS
#13, Ist Cross, DR. Nagar,
Kosapalayam, Puducherry - 605 013.

31.03.2023

To:

Karpaga Vinayaga Institute of Medical Sciences & Research Centre
Madhuranthagam T K
Chengalpattu – 603 308

Sub: DESTRUCTION CERTIFICATE

We would like to inform you that the E -waste (640 kgs) taken from your premises on 17th of Nov 2022 was recycled properly through our recycling partner and the certificate for the same is attached herewith.

The certificate from our recycling partner is for the quantity of 5575 kgs and (it includes 640 kgs) of materials taken from **M/ s Karpaga Vinayaga Institute of Medical Sciences & Research Center,** Chengalpattu.

If you have any further clarifications or queries, feel free to call us.

PLANET SAVERS ★ Ref. No: ★ PUDUCHERRY

For Planet Savers

31/03/23

(A K Mary)
Mobile No: +91 94434 69358

TES-AMM INDIA

TES-AMM (INDIA) PRIVATE LIMITED

A-18, SIPCOT IND., GROWTH CENTRE, PANRUTTI "A" VILLAGE ORAGADAM, SRIPERUMBUDUR TLK., KANCHEEPURAM - 631 604
Telephone: +91-44-42030353 Fax: +91-44-42030352 Website: www.tes-amm.net

Certificate of Recycling

To: Planet Savers
No.13, 1st Cross, D R Nagar,
Kosapalayam, Saram,
Puducherry - 605 013.

Date : 10-Mar-23
Load No : 2312493
Invoice No : 22-23/1024

Dear Sir / Madam,

This is to certify that TES-AMM (India) Pvt. Ltd., has recycled the materials stated below :

Sl. No	Description	Quantity (In Kgs)
1	E- Waste	5575.00

Total: 5575.00

Received Date: 18-Feb-23

Recycling Date : 10-Mar-23

TES-AMM (INDIA) PRIVATE LIMITED

Approved By R. Sathish Kumar

Name R Sathish Kumar

Designation General Manager- Operations

Responsible Recycling R2 Perry Johnson Registrars, Inc.

PERRY JOHNSON REGISTRARS, INC.

ANAB ACCREDITED

UKAS ENVIRONMENTAL MANAGEMENT

105

Annexure 26
Hazardous waste disposal

Original for recipient

GST IN: 33AJWPN1681K1ZM

NRP ENGINEERING & SERVICES

No.16/2A, Thirukalukundram Road,
Nenmeli village,Chengalpet(dist),
Thirukalukundram - 603 002.

Phone: 9965085039 - 9865798977

Mail: nrpengineering2020@gmail.com

TAX INVOICE

CUSTOMER NAME AND ADDRESS		INVOICE DETAILS	
M/S	KARPAGA VINAYAGA INSTITUTE OF MEDICAL SCIENCES AND RESEARCH, GST Road, Chinna kolambakkam, Palayanoor (post), Madhurantakam (taluk) - 603 308	INVOICE DATE :	06.10.2025
		INVOICE NO :	25-26 / 105
		PO DATE :	-
		PO NO :	VERBAL
GST NO: 33ACOFS2929L1ZM		PAYMENT :	-

MECHINE DETAILS : Kirloskar 160kva generator - Karpagavinayaga chinna kolambakkam

SR.NO	DISCREPTION	HSN CODE	QTY	RATE	RATE
1	Engine oil (Kirloskar care) 20Ltrs can	27101980	1 No	5745	5745
2	Engine oil (Kirloskar care) 5Ltrs can	27101980	1 No	1484	1484
3	Lub oil filter spin on	84212300	2 Nos	480	960
4	Fuel filter spin on	84212900	2 Nos	419	838
5	Air filter primary element	84213100	1 No	4040	4040
6	Fuel level sensor unit	90261020	1 No	855	855
7	Radiator coolent (kirloskar care) 26Ltrs can	38200000	1 No	3554	3554
8	Meterials transportation charges	998719	1 No	1200	1200
9	Labour charges for engine oil service	998719	1 No	2000	2000

TAXABLE VALUE	20676.00
CGST 9%	1860.84
SGST 9%	1860.84
TOTAL VALUE	24397.68
ROUND OFF (+)	0.32
Total Invoice Value :	Rs.24398.00

06/10/25

Amount in words : Twenty four thousand three hundered and ninety eight only.

Bank Details:
City union bank - Chengalpet branch,
A/C : 510909010213806
ISFC: CIUB0000187

customer

Signature

For Nrp Engineering and services

NRP ENGINEERING AND SERVICES Thirukalukundram 603 002

Signature

A.L. Palaniappan.

Engg college 160kva D.G oil service work done on 6/10/25.

Original for recipient

GST IN: 33AJWPN1681K1ZM

NRP ENGINEERING & SERVICES

No.16/2A, Thirukalukundram Road,
Nenmeli village,Chengalpet(dist),
Thirukalukundram - 603 002.

Phone: 9965085039 - 9865798977

Mail: nrpengineering2020@gmail.com

TAX INVOICE

CUSTOMER NAME AND ADDRESS	INVOICE DETAILS	
M/S KARPAGA VINAYAGA INSTITUTE OF MEDICAL	INVOICE DATE :	11.10.2025
SCIENCES AND RESEARCH,	INVOICE NO :	25-26 / 108
GST Road, Chinna kolambakkam,	ORDER DATE :	-
Palayanoor (post), Madhurantakam (taluk) - 603 308	ORDER NO :	VERBAL
GST NO: 33ACOFS2929L1ZM	PAYMENT :	-

MECHINE DETAILS :	Kirloskar 180kva generator - Karpagavinayaga kolambakkam

SR.NO	DISCREPTION	HSN CODE	QTY	RATE	RATE
1	Engine oil (Kirloskar care) 20Ltrs can	27101980	1 No	5745	5745
2	Engine oil (Kirloskar care) 13Ltrs can	27101980	1 No	3800	3800
3	Lub oil filter spin on	84212300	2 Nos	480	960
4	Fuel filter kit	84212300	1 No	256	256
5	Air filter primary element	84213100	1 No	4467	4467
6	Air filter safety element	84213100	1 No	1230	1230
7	Fuel hose (tank to feed pump)	40092100	6 Mtrs	175	1050
8	Fuel filter (injector to tank)	40092100	6 Mtrs	175	1050
9	Centrifucal filter service kit	84212300	1 No	305	305
10	Leak off pipe assembly	40094100	1 No	938	938
11	Turbo oil supply pipe	39172990	1 No	1575	1575
12	Belt tensioner unit	84099949	1 No	3698	3698
13	Turbo charger inlet joint	84099941	1 No	47	47
14	Turbo inlet joint	84099941	1 No	45	45
15	Turbo drain joint	84099941	1 No	35	35
16	Water manifold banjo bolt	84139190	6 Nos	28	168
17	Copper washer (14mm)	74153990	16 Nos	7	112
18	Copper washer (6mm)	74153990	16 Nos	5	80
19	Kirloskar seelant	32141000	1 No	530	530
20	Radiator coolent (Kirloskar care) 26Ltrs can	38200000	3 Nos	3554	10662
21	Radiator top hose	40092100	2 Nos	160	320
22	Hose clamps (60mm)	73269099	4 Nos	85	340
23	Hose clamps (10mm)	73269099	6 Nos	13	78

For
AL. Palaiappan.
CIVIL STORES
MATERIALS RECEIVED

Engg College 180KVA D.G set.
Full oil Service work completed.
on 13/10/25.
14/10/25.

Original for recipient

GST IN: 33AJWPN1681K1ZM

NRP ENGINEERING & SERVICES

No.16/2A, Thirukalukundram Road,
Nenmeli village,Chengalpet(dist),
Thirukalukundram - 603 002.

Phone: 9965085039 - 9865798977

Mail: nrpengineering2020@gmail.com

TAX INVOICE

CUSTOMER NAME AND ADDRESS	INVOICE DETAILS	
M/S KARPAGA VINAYAGA INSTITUTE OF MEDICAL SCIENCES AND RESEARCH, GST Road, Chinna kolambakkam, Palayanoor (post), Madhurantakam (taluk) - 603 308	INVOICE DATE :	11.10.2025
	INVOICE NO :	25-26 / 108
	ORDER DATE :	-
	ORDER NO :	VERBAL
GST NO: 33ACOFS2929L1ZM	PAYMENT :	-

MECHINE DETAILS :	Kirloskar 180kva generator - Karpagavinayaga kolambakkam

SR.NO	DISCREPTION	HSN CODE	QTY	RATE	RATE
24	Autolek charging alternator assembly	85371000	1 No	9500	9500
25	Warning lamp	85030010	1 No	250	250
26	Cylinder head gasket	84841010	6 Nos	788	4728
27	Inlet manifold joint	84841010	6 Nos	36.8	221
28	Manifold joint	84841010	6 Nos	56	338 336
29	Rocker cover joint	84841010	6 Nos	108	648
30	Labour charges for oilservice and head gasket replace and testing	998719	1 No		3000

56176.00

TAXABLE VALUE	56176.00
CGST 9%	5055.84 5055.66
SGST 9%	5055.84 5055.66
TOTAL VALUE	66287.68 66285.32
ROUND OFF (+)	0.32
Total Invoice Value : Rs.	66288.00 66285.00

For
A.L. Palaniappan.
CIVIL STORES
MATERIALS RECEIVED

Amount in words : Sixty six thousand two hundered and eighty eight only.

Bank Details:
City union bank - Chengalpet branch,
A/C : 510909010213806
ISFC: CIUB0000187

customer
Signature

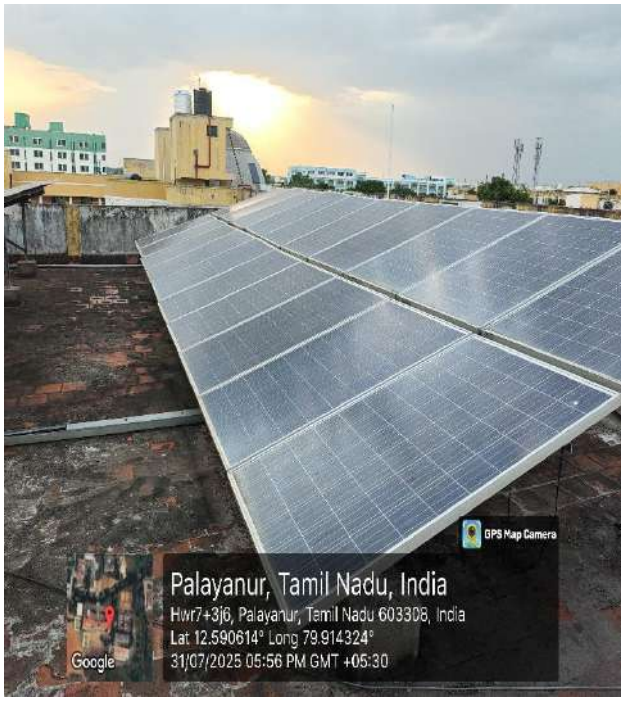
For Nrp Engineering and services

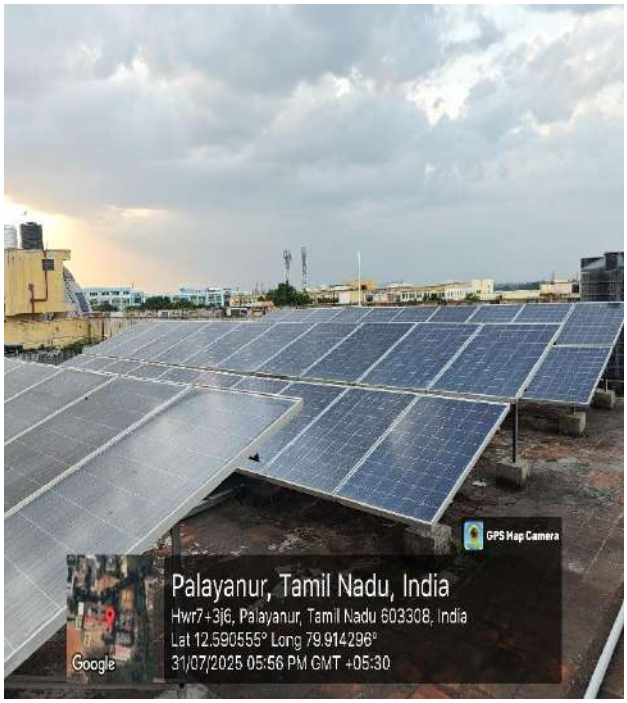
NRP ENGINEERING AND SERVICES Thirukalukundram 603 002.

Signature

Annexure 27
Solar Energy

Photos of Solar Installation





Annexure 28
Energy Conservation Report

ENERGY CONSERVATION REPORT

M/s. KARPAGA VINAYAGA EDUCATIONAL TRUST

Located 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, Madhuranthagam Taluk, Kancheepuram District.

KARPAGA VINAYAGA
MEDICINE
DENTISTRY
ENGINEERING
NURSING
PHARMACY
SCHOOL
EDUCATIONAL GROUP | CHENNAI

PROPONENT

M/s. KARPAGA VINAYAGA EDUCATIONAL TRUST,

Registered Office: GST Road, Chinna Kolambakkam (Po.), Madhurandhagam Taluk, Chengalpattu District – 603 308

Introduction:

M/s. Karpaga Vinayaga Educational Trust has Proposed construction of Institute of Medical sciences & Research centre. The proposed project comprises of Medical science (G+4), Karapaga Vinayaga Institute of Dental science (G+4), Karapaga Vinayaga college of engineering and technology (G+3), Karapaga Vinayaga college of Nursing (G+3), Karpaga Vinayaga Hospital (G+3), and other infrastructure includes Staff Quarters (G+5), Ladies Hostel – 5 Nos (G+5, G+5, G+4, G+3, G+2), Gents Hostel – 3 Nos (G+2, G+7, G+3), Auditorium building (G+1), Lecture Hall (G+1) and Classroom building (G+3) 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, Madhuranthagam Taluk, Kancheepuram District in the state of Tamil Nadu. The Institutional buildings built in the land area of **2,83,849.81 Sq.m** and the total built-up area is **1,24,667 Sq.m.**

Objectives of the Energy Conservation:

- To reduce demand for Energy
- To protect the environment by reducing fossil fuel and developing renewable energy sources.
- Improving efficiency by reducing energy wastes.

The potential energy saving opportunities for the project identified as below.

- Common Area Lights
- Patient Lifts
- Service Lifts
- Utilities – Pumps, Motors, etc.
- Building envelope Thermal Characteristics

Details of Energy Conservation in the project provided as below.

Energy Conservation in Campus:

S. No	Description	Total Fixture	TYPES AND LOAD					
			Using Conventional Fixtures			Using Energy Saving Fixtures		
			Fitting Type	Load/Fitting (in watts)	Total load in watts	Fitting type	Load/fitting (in watts)	Total load in watts
A	**Hospital Block**							
1	20 W LED	130	1 x 40 W FTL	40	5200	20 W LED	20	2600
2	36 W LED	558	1 x 60 W FTL	60	33480	36 W LED	36	20088
3	25 W LED	217	1 x 40 W FTL	40	8680	25 W LED	25	5425
4	18 W LED	105	1 x 20 W FTL	20	2100	18 W LED	18	1890
5	36 W 2x2 Round LED	11	1 x 60 W FTL	60	660	36 W LED	36	396
6	15 W LED Round Light	121	1 x 30 W FTL	30	3630	15 W LED	15	1815
7	9 W LED Light	8	1 x 20 W FTL	20	160	9 W LED	9	72
8	Pedestal Fans	14	1 X 50 W	50	700	28 W BLDC CF	28	392
9	Fan	738	1 X 75 W CF	75	55350	28 W BLDC CF	28	20664
B	**College Block**							
1	18W 2pin light	35	1 x 30 W FTL	30	1050	18W LED	18	630
2	36W 4pin LED light	164	1 x 60 W FTL	60	9840	36W LED	36	5904
3	18W LED round light	766	1 x 30 W FTL	30	22980	18W LED	18	13788
4	15W LED round light	42	1 x 30 W FTL	30	1260	15W LED	15	630
5	20W LED tube light	651	1 x 40 W FTL	40	26040	20W LED	20	13020
6	10W 2feet LED light	79	1 x 20 W FTL	20	1580	10W LED	10	790
7	36W LED light	1404	1 x 60 W FTL	60	84240	36W LED	36	50544
8	25W LED 4feet light	299	1 x 40 W FTL	40	11960	25W LED	25	7475
9	100W LED light round	2	1 x 150 W FTL	150	300	100W LED	100	200
10	200W LED light	3	1 x 250 W FTL	250	750	200W LED	200	600
11	15W LED light bulb	39	1 x 30 W FTL	30	1170	15W LED	15	585
12	45W LED light	2	1 x 60 W FTL	60	120	45W LED	45	90
13	9W LED light	39	1 x 20 W FTL	20	780	9W LED	9	351
14	36W 2X2 LED light	182	1 x 60 W FTL	60	10920	36W LED	36	6552
15	22W LED round light	116	1 x 40 W FTL	40	4640	22W LED	22	2552
16	10W LED Red colour light	4	1 x 20 W FTL	20	80	10W LED	10	40

17	50W LED light bulb	3	1 x 60 W FTL	60	180	50W LED	50	150
18	Pedestal fan	9	1 X 50 W	50	450	28 W BLDC CF	28	252
19	Ceiling fan	2186	1 X 75 W CF	75	163950	28 W BLDC CF	28	61208
C	**Hostel Block**							
1	25W LED 4feet light	1162	1 x 40 W FTL	40	46480	25W LED	25	29050
2	18W LED round	553	1 X 30 W FTL	30	16590	18W LED	18	9954
3	10W LED 2feet light	127	1 x 20 W FTL	20	2540	10W LED	10	1270
4	3W LED light	37	1 x 10 W FTL	10	370	3W LED	3	111
5	36W LED light	749	1 x 60 W FTL	60	44940	36W LED	36	26964
6	15W LED light	37	1 x 30 W FTL	30	1110	15W LED	15	555
7	9W LED light	614	1 x 20 W FTL	20	12280	9W LED	9	5526
8	22W LED round light	32	1 x 40 W FTL	40	1280	22W LED	22	704
9	50W LED light	8	1 x 80 W FTL	80	640	50W LED	50	400
10	6W LED light	479	1 x 20 W FTL	20	9580	6W LED	6	2874
11	20W LED tube light	490	1 x 40 W FTL	40	19600	20W LED	20	9800
12	150W LED light	4	1 x 200 W FTL	200	800	150W LED	150	600
13	100W LED light	3	1 x 150 W FTL	150	450	100W LED	100	300
14	30W LED light bulb	2	1 x 60 W FTL	60	120	30W LED	30	60
15	40W LED light bulb	2	1 x 60 W FTL	60	120	40W LED	40	80
16	14W LED light	148	1 x 30 W FTL	30	4440	14W LED	14	2072
17	80W LED light Round	4	1 x 150 W FTL	150	600	80W LED	80	320
18	Ceiling Fan	1712	1 X 75 W CF	75	128400	28 W BLDC CF	28	47936
C	**Auditorium Block**							
1	150W LED light	1	1 x 200 W FTL	200	200	150W LED	150	150
2	20W LED tube light	64	1 x 40 W FTL	40	2560	20W LED	20	1280
3	50W LED round light	12	1 x 80 W FTL	80	960	50W LED	50	600
4	15W LED round light	245	1 x 30 W FTL	30	7350	15W LED	15	3675
5	25W LED 4feet light	3	1 x 40 W FTL	40	120	25W LED	25	75
6	18W LED round light	151	1 x 30 W FTL	30	4530	18W LED	18	2718
7	18W LED squre light	16	1 x 30 W FTL	30	480	18W LED	18	288
8	15W LED light bulb	82	1 x 30 W FTL	30	2460	15W LED	15	1230
9	9W LED light	7	1 x 20 W FTL	20	140	9W LED	9	63
10	12W LED light	3	1 x 30 W FTL	30	90	12W LED	12	36
11	Ceiling Fan	75	1 X 75 W CF	75	5625	28 W BLDC CF	28	2100

D	**Utility Area**							
1	500W LED light	96	1 x 600 W FTL	600	57600	500W LED	500	48000
2	200W LED light	47	1 x 300 W FTL	300	14100	200W LED	200	9400
3	150W LED light	45	1 x 200 W FTL	200	9000	150W LED	150	6750
4	120W LED light	52	1 x 200 W FTL	200	10400	120W LED	120	6240
5	100W LED light	78	1 x 150 W FTL	150	11700	100W LED	100	7800
6	50W LED light	33	1 x 80 W FTL	80	2640	50W LED	50	1650
7	40W LED light	6	1 x 60 W FTL	60	360	40W LED	40	240
8	30W LED light	85	1 x 50 W FTL	50	4250	30W LED	30	2550
	Total Energy consumption				**877155**			**452124**
	Energy consumption per Hour-KWHr				877.155			452.124
	Energy consumption per Day-KWHr - 14 Hr				12280.17			6329.736
	Energy consumption per Annum-KWHr				**4482262.05**			**2310354**
	Total Energy savings in KWHr							**2171908**

II - Energy Conservation in Patient Lifts: - (15.00 KW each lift for Hospital Block)
Lift load (Conventional type) 2* 15.00KW = 30.00 KW
Total Lift Load (Conventional Type) = 30.00KW

S. No	Working Hours	Number of Hours	% of load at different intervals	Total load with conventional type-kw	Power consumed in Conventional type-KWHr	Total load with 30% energy saving methods Using VVVF Gear/ Non-Gear Lifts	Power consumed in energy saving method
1	6a.m to 10a.m	4	70%	30	84	21	58.8
2	10a.m to 5p.m	7	50%	30	105	21	73.5
3	5p.m to 10p.m	5	40%	30	60	21	42
4	10p.m to 6a.m	8	40%	30	96	21	67.2
	Total Energy consumption				345		241.5
	Energy consumption / Day (in Kwh)				345		241.5
	Energy consumption / Year (in Kwh)				125925.00		88147.50
	Energy savings / Annum (in Kwh)						37777.50

III - Energy Conservation in Service Lifts: - (20.00 KW each lift for College and Hostel Block)

Lift load (Conventional type) 21* 15.00 KW = 315 KW

S. No	Working Hours	Number of Hours	% of load at different intervals	Total load with conventional type-kw	Power consumed in Conventional type-KWHr	Total load with 30% energy saving methods Using VVVF Gear/ Non Gear Lifts	Power consumed in energy saving method
1	6a.m to 10a.m	4	20%	315	252	220.5	176.4
2	10a.m to 5p.m	7	50%	315	1102.5	220.5	771.75
3	5p.m to 10p.m	5	30%	315	472.5	220.5	330.75
4	10p.m to 6a.m	8	10%	315	252	220.5	176.4
	Total Energy consumption				2079		1455.3
	Energy consumption / Day (in Kwh)				2079		1455.3
	Energy consumption / Year (in Kwh)				758835.00		531184.50
	Energy savings / Annum (in Kwh)						227650.50

IV - Energy Conservation in Street Light fittings:

S.No	Description	Total Light Fixture	Using Conventional Light Fixtures			Using Energy Saving Light Fixtures		
			Fitting Type	Load/Fitting (in watts)	Total load in watts	Fitting type	Load/fitting (in watts)	Total load in watts
1	Total street Light proposed	250	1 x 150W HPSV	150	37500	60 W LED	60	15000
2	Total Garden Area Light Proposed	300	1 x 150 W HPSV	150	45000	60 W LED	60	18000
					82500			33000
	Energy consumption per Hour-KWHr				82.5			33.00
	Energy consumption per Day(12-Hours)-KWHr				990			396
	Energy consumption per Annum-KWHr				361350			144540
	Energy savings / Annum (in Kwh)							216810

Total Energy conservation Summary:

S. No	Description	Consumption per year in KWHr	Consumption of energy using energy saving implements per year in KWHr	Total energy Savings in KWHr
1	Campus Fixtures	4482262.05	2310354	2171908
2	Patient Lifts	125925.00	88147.50	37777.50

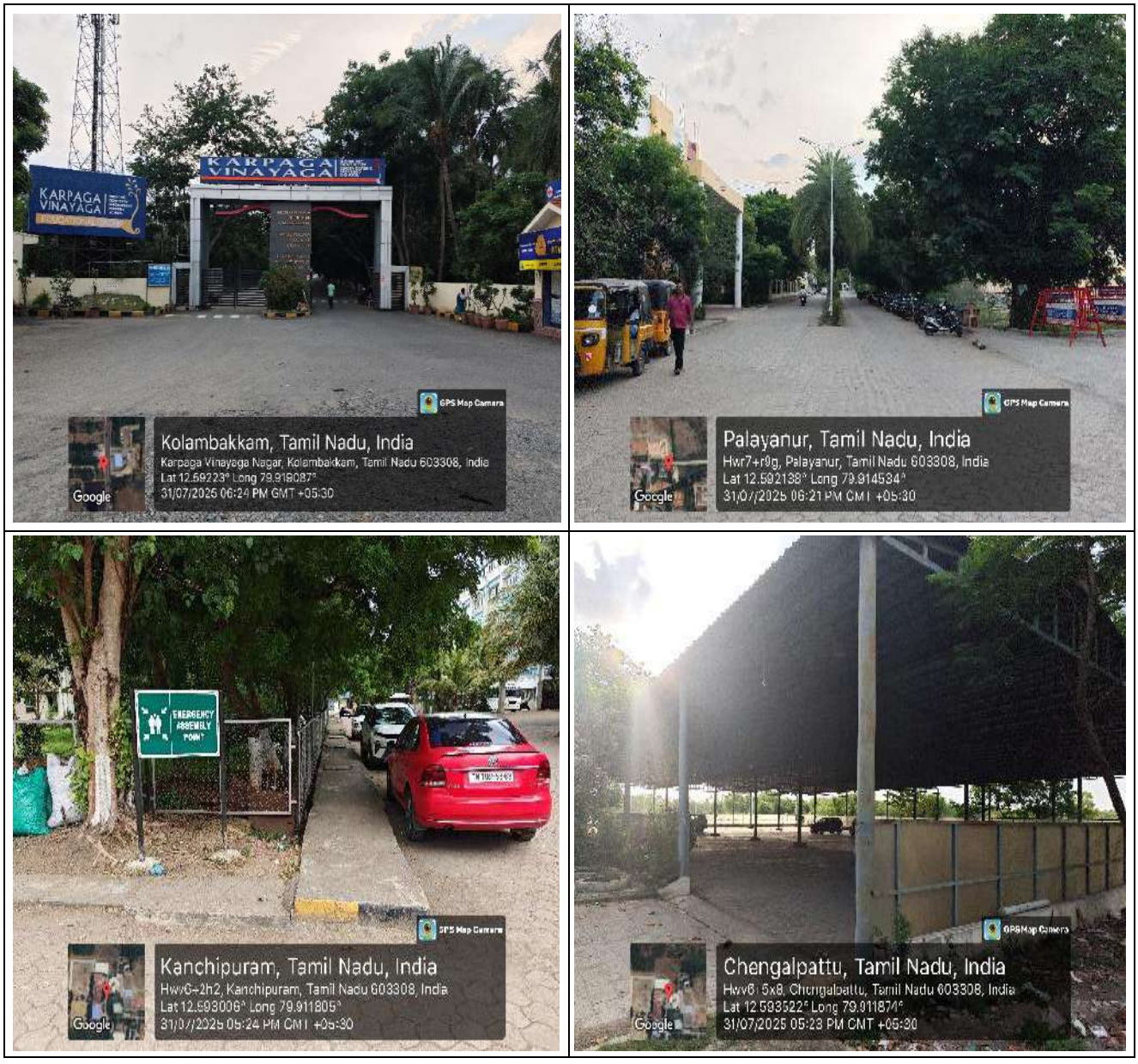
3	Service Lifts	758835.00	531184.50	227650.50
4	Street and Greenbelt area Lights	361350	144540	216810
5	Solar power (Solar Panels & Solar Water Heater)			832950
	Total	5728372	3074226	3487096
	Total Percentage			60.87 %

Thermal Characteristics for building Envelope roof and walls U & R Values as follows.

Component	**Permissible U-Value as per ECBC ($W/m^2°C$)**	**Resultant Value due to the proposed configuration ($W/m^2°C$)**
Roof (RCC slab with clay tile)	U-0.33	R-3.5
Wall Constructed using M15 grade concrete solid blocks,	U-0.40	R-2.1

Annexure 29
Entry & Exit Photos
and
Traffic Management at the site entrance

Photos Showing Entry & Exist with Sign Boards



Signal Provided NH45 Road for Traffic Management at Entry/Exit Point