



K S R Institute for Engineering and Technology

Tiruchengode, Namakkal (Dt) , Tamil Nadu

(Approved by AICTE, Affiliated to Anna University, Accredited by NAAC (A+) & NBA)

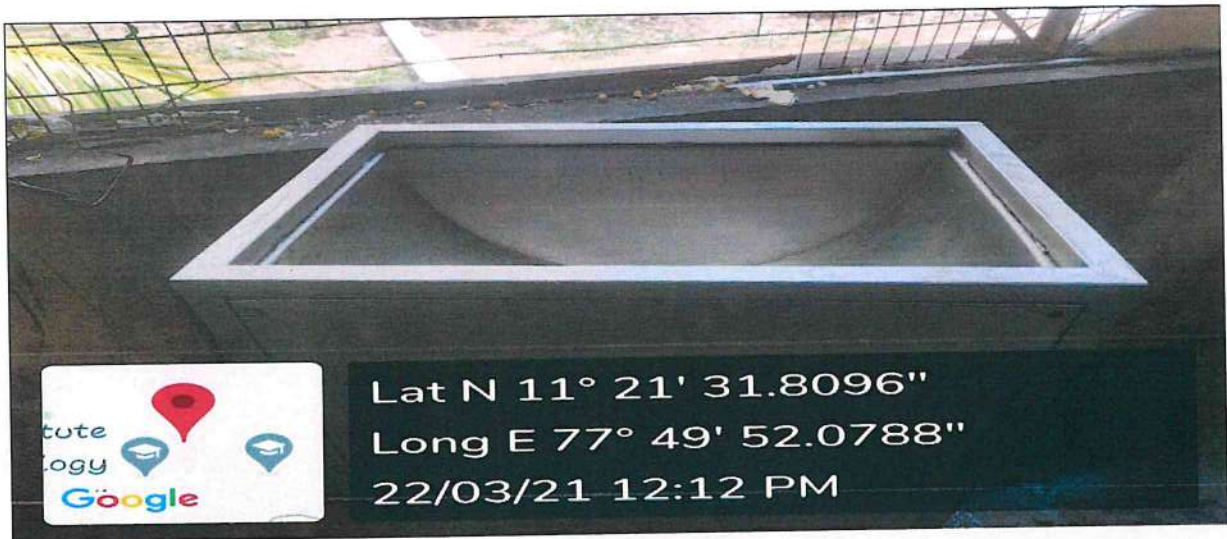


7.1.3 Waste Management

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7.1.3 - Solid Waste Management

Solid waste collected from the campus is being dumped in a compost yard available inside the campus. Incinerator is erected in girls hostel campus; shredders are also available for disposal of solid waste; biogas plants have been installed for the conversion of solid wastes. Dustbins are provided in the institute at convenient locations. The staff room, classroom and office have two separate dust bins to bifurcate the dry and wet waste. The single side papers are re-used for writing and printing circulars in all departments.



Food waste collecting Container

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NAMAKKAL DL, TAMIL NADU.

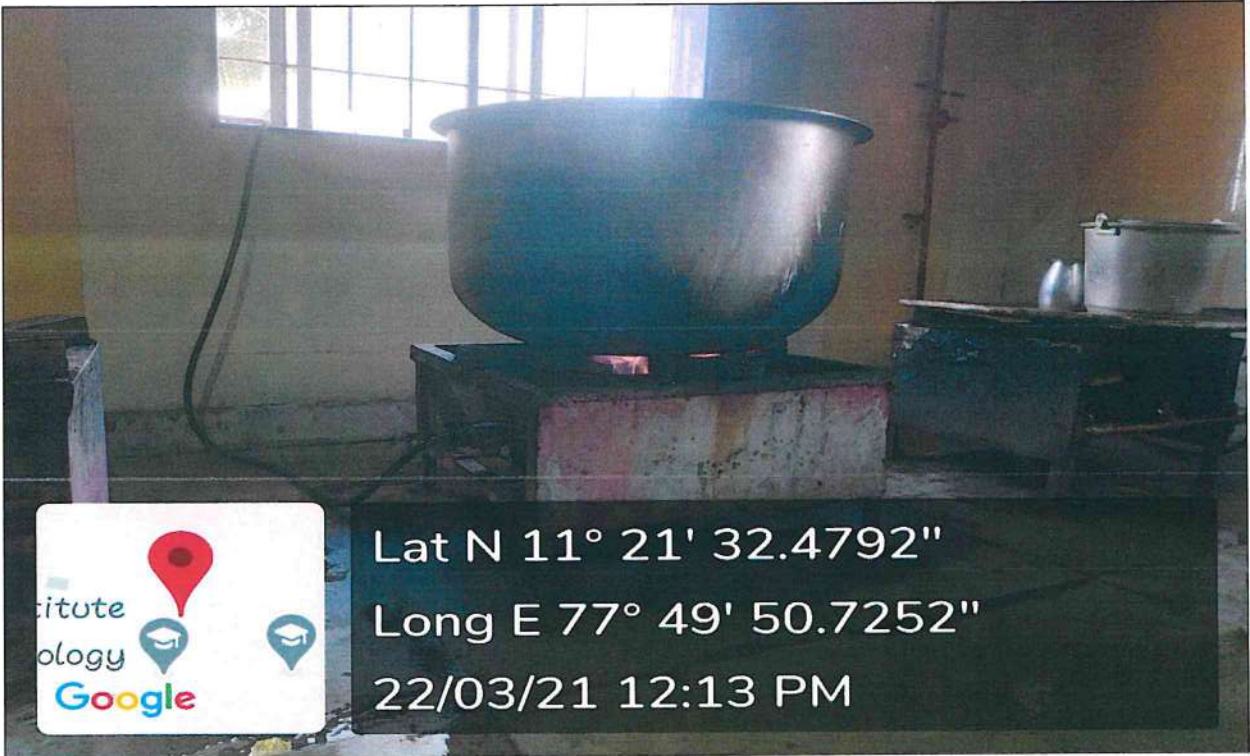


Gobar Gas Plant




Biogas Digester

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Lat N 11° 21' 32.4792"
Long E 77° 49' 50.7252"
22/03/21 12:13 PM

Using Biogas for Cooking in Hostel


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7.1.3 – Liquid Waste Management

Liquid waste mainly consists of waste water from kitchens, washrooms and mess. This waste water is transported through sewerage system of underground pipes. The waste is finally collected in the underground tank through water chamber to remove the solid waste. The treated water is used for watering to plants and trees and cleaning.

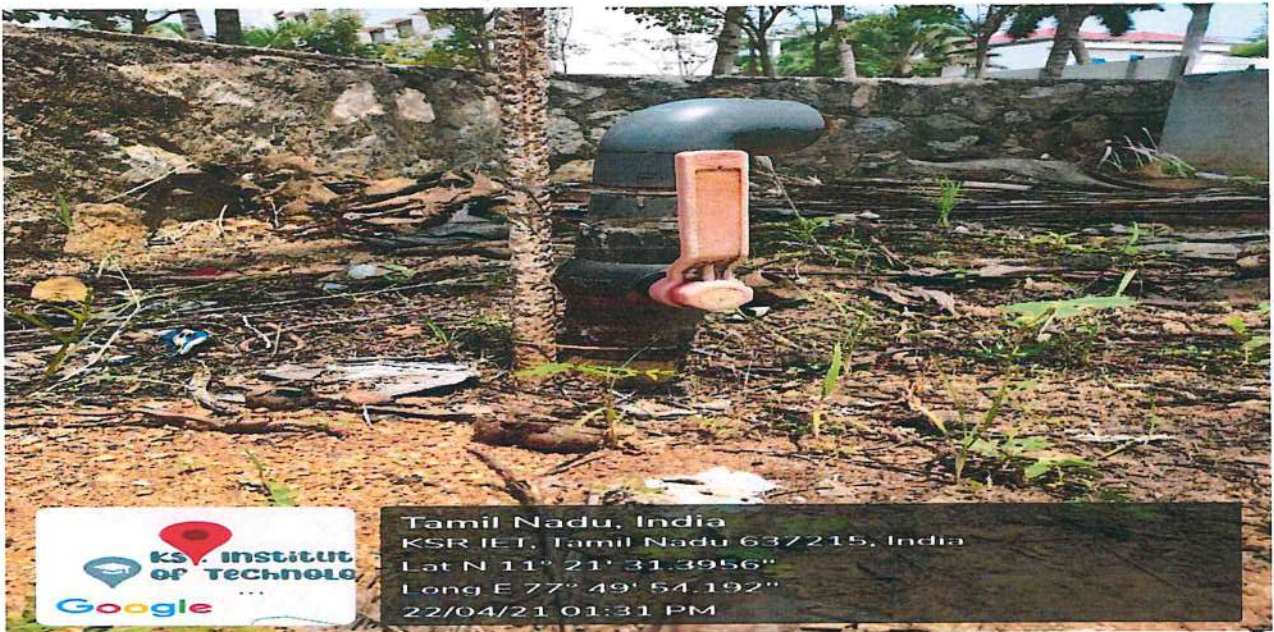


Sewage Treatment Plant


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Sewage Treatment Plant



Gate valve Controller at Sewage Treatment Plant

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7.1.3 – Waste Recycling Management

Our college has two bio-gas plants. Food wastes, vegetable wastes, waste water and cow dung collected from college messes, canteens and cow farm are used in the plants to generate gas. It is used in our college canteen and hostel mess for preparing food. Around 200 kg to 250 kg food wastes are collected and they are converted into thermal energy.



Gobar Gas Plant



Biogas Digester

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Capacity: 100000 lit per day

Method of Treatment: Extend aeration process

Parameters Monitored: PH TDS BOD AND COD

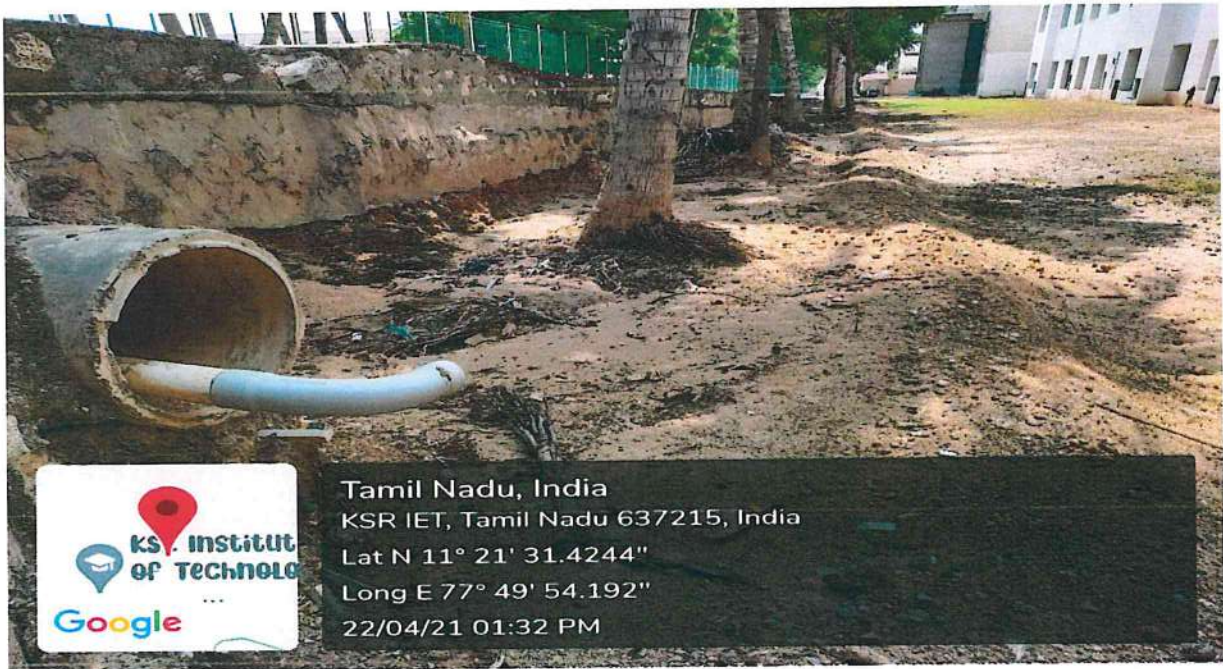
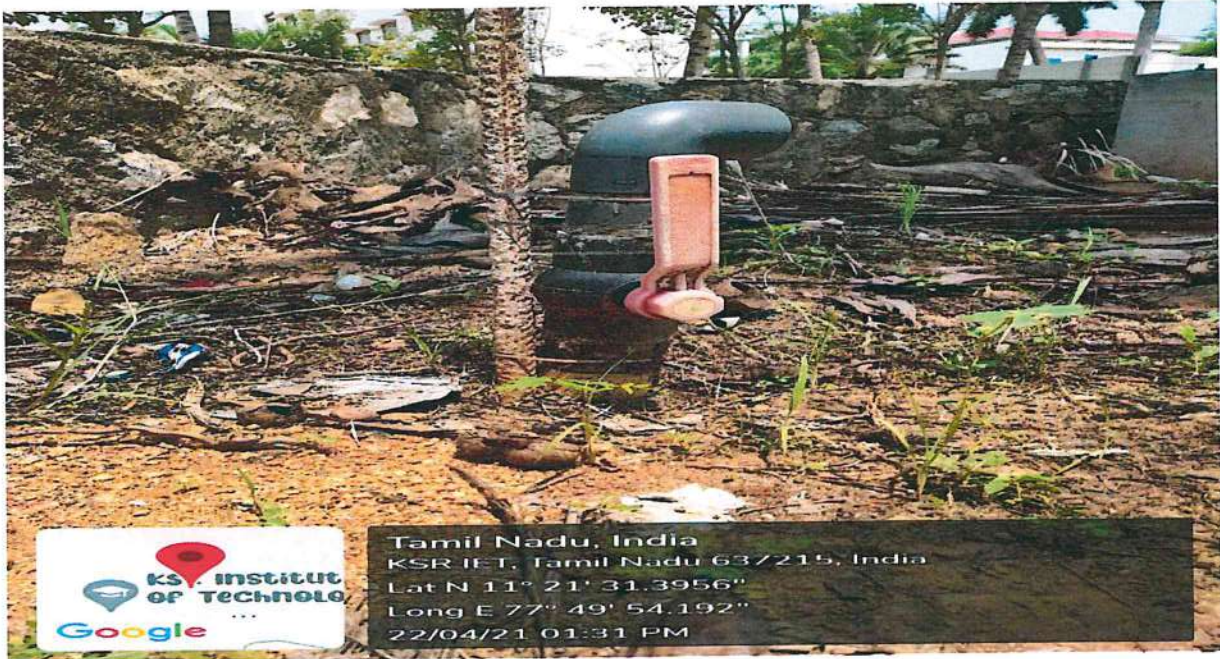
Standard: TNPCB Norms

Application of Treated Water: Lawn Sprinkling and Irrigation



Water Recycling Plant


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Recycled Water used for Irrigation


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Sewage Water Treatment Plant


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

TIRUCHENGODE – 637 215




E – Waste Management Policy


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NAMAKKAL DI, TAMIL NADU.

CONTENT

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5.	Review of Policy


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1. Introduction

- ❖ Electronic waste also known as E-waste, is electronic products that have outlived their usefulness and are due for disposal. These products have toxic components such as lead, mercury and cadmium. Improper disposal of electronics waste pollutes the environment with hazardous toxins, thereby causing widespread health problems and environmental degradation. With the increase of E-waste generation and the consequent threat of environmental degradation, there is need for a regulatory framework to mitigate this hazard
- ❖ K S R Institute for Engineering and Technology (KSRIET) utilizes a wide range of electronic products which results E-waste. Establishment of E-waste disposal including recycling of the waste, awareness among staff and students are some of the key strategies encompassed by this policy document

2. Policy Statement

The following are the guiding principles of the E-waste policy:

- **Environmental conservation:** The College endeavors to ensure environmental conservation and protection from the effects of E-waste.
- **Donate Government Schools:** Collect Personal Computers, Laptops, Printers and Projectors which have less working condition from each department and to donate them to any nearby Government Schools from the forthcoming academic year. The Committee believes that this donation shall help a few school students to get some exposure and technical knowledge.
- **Safe disposal:** Keep e-bin at many places in the campus from the forthcoming academic year for collecting the e-waste such as repaired/expired wires, switches, batteries, mobile phones, chargers etc. Ensure that e-waste is collected and kept in an appropriate storage and prepare a report for disposal.
- **Public awareness:** Organize annual events to promote E-waste awareness.


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3. Policy Objectives

In developing this E-waste policy, KSRIET seeks to meet the following objectives:


- ❖ To minimize E-waste generation
- ❖ To mobilize and sensitize stakeholders on the proper management and handling of E-waste on a sustainable basis.
- ❖ To develop and implement a critical human resource base knowledge in handling E-waste.
- ❖ To develop beneficial environmentally sound E-waste recycling.
- ❖ To provide guidance on the standards of electronic equipments that is imported into the college.

4. Members of E-waste Management Club

- ❖ Coordinator: Mr.P.Govindaraju, ASP & Head / ECE
- ❖ Team Members: 1. Mr.K.Vinoth, CSE
2. Mrs.K.Meenatchi, EEE
3. Mr.M.Udhayakumar, ECE
4. Mr.D.Balakrishnan, IT
5. Mr.A.Mohanraj, MECH

5. Review of Policy

- ❖ The policy shall be reviewed after every 5 years or earlier, as need arises.


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தமிழ்நாடு தமிழ்நாடு TAMIL NADU ரூ.20/-

15/03/22

KSR Institute for Engineering
and technology
Tiruchengode.

10AC 137683

M. சிவ்ளண்ணன்,
முதல்கரைத்தாள் விற்பனையாளர்
உரிமம் எண்: 14/2008-NMKL,
எளச்சிபாளையம் - 637 202.
கிருச்செங்கோடு T.K., நாமக்கல் Dr.
தமிழ்நாடு

MEMORANDUM OF UNDERSTANDING (MOU)

Between



K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY
and
OLIRUM ERODU FOUNDATION (OEF)

This MEMORANDUM OF UNDERSTANDING (MOU) made and executed on this 16.03.2022, WEDNESDAY between K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY an educational institution, situated at K S R Kalvi Nagar, Tiruchengode - 637 215, Tamilnadu. It has been represented by Dr.M.VENKATESAN, Principal hereinafter called KSRIET (which expression shall include its successors and assigns) of the first part;



M. Venkatesan
PRINCIPAL

K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY.



M. Annamalai
CHAIRMAN

Olirum Erodu Foundation
Erode

AND

OLIRUM ERODU FOUNDATION (OEF) is a not-for-profit organization registered as a public charitable trust and having its office at No.133, Gandhiji Road, Opposite Railway Junction, SKM Shree Building, Erode-638 001, Tamil Nadu, India. It has been represented by **Mr.M.Chinnasami, Chairman** hereinafter referred to as **OLIRUM ERODU**, which term shall mean and include, unless repugnant to the context and meaning thereof, its successors, legal representatives and assigns, of the other part;

Whereas **KSRIET** is in the field of education, imparting knowledge to students and creating opportunity for their students aspiring to be Entrepreneurs, Engineers and Managers.

Whereas, **Olirum Erodu** is a not-for-profit organization registered as a public charitable trust. It is founded by a group of leading energetic personalities, who have come together to link all hands to recreate a world-class Erode, that will offer the very best to its people, socially, economically, and intellectually. **OEF** aims to be at the forefront, addressing the issues and challenges faced by Erode city, engaging all stakeholders for inclusive and sustainable solutions and to enlighten the public on the ill-effects of E-Wastes and organize for its effective collection and proper disposal.

Whereas, both **KSRIET & Olirum Erodu** have agreed to form a '**STRATEGIC ALLIANCE**' with regards to E-waste management and its disposal thereof.

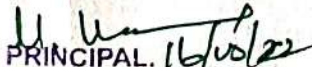
And whereas, on the faith and strength of such representation, both **KSRIET** and **Olirum Erodu** have agreed to enter into this Memorandum of Understanding as per the mutually agreed clauses as agreed below:

The scope of the MoU covers the following points.

1. Definitions:

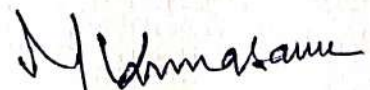
E-Scrap / E-Waste is all type of electronic, electrical waste which includes unused Computers, laptops, UPS, inverter, Battery, stabilizer, mobile, printer, fax, landline phone & smart phone, Electrical panel, motor, toner, cartridge and other Electronic appliances.

The material will include hereafter as all forms of e-waste and or e-scrap collected out of discarded electronics equipments of all kinds, including but not limited to IT Equipments like printers, printer cartridges, faxes, copiers, spares. But should also include, but not limited to laptops, notebooks, desktops, servers, network personal equipment, monitors, cathode ray tubes, liquid crystal displays, batteries, electronic storage media, all accessories, components and peripherals for above mentioned equipment. In addition, any other production related rejects arising out of any of its manufacturing/trading/repairing units. Material specifically excludes equipment containing such hazardous waste as radioactive materials, free flowing liquids, chlorofluorocarbons, polychlorinated biphenyls etc. or other hazardous waste not falling under E-waste category.


PRINCIPAL. 16/07/22

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NAMAKKAL DI. TAMIL NADU.





CHAIRMAN
Olirum Erodu Foundation
Erode

Services – Services are hereby include as storing, recycling, reprocessing, and or disposing off Materials.

Pollution control & Environmental Production Regulations – Means all central, state, and local statutes, rules, regulations and ordinances in effect or subsequently enacted/modified concerning or relating to the production of human health and/or the environment, prevalent in India.

2. Pick-up locations:

K S R INSTITUTE FOR ENGINEERING AND TECIINOLOGY	
Contact Persons	Dr.M.Venkatesan
Designation	Principal
Mobile No	9944456056
Land line No	04288 - 274773
Preferable week day for pick-up	Working Days

3. Quality & Quantity

3.1 Material should be free from dust particles, without any contamination of garbage, municipal waste or any item which are detrimental.

4. Roles and Responsibilities of K S R Institute for Engineering and Technology:

4.1 K S R Institute for Engineering and Technology shall identify the quantum of E-waste generated at various locations..

4.2 K S R Institute for Engineering and Technology would store the E-waste and Olirum Erodu would pick up on mutually agreed schedule.

4.3 K S R Institute for Engineering and Technology agrees to appoint Mr.P.Govindaraju, ASP & Head / ECE (99522 55006) as its representative to coordinate on various activities identified in MOU and to notify Olirum Erodu within one month of any change in responsibility.

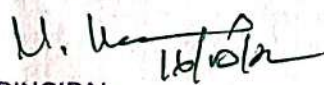
4.4 K S R Institute for Engineering and Technology need to allocate for itself sufficient covered storage space for keeping the material safely.

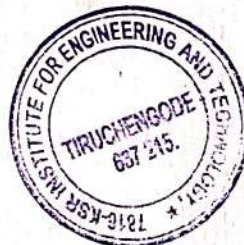
5. Roles and Responsibilities of Olirum Erodu Foundation:

5.1 In consideration for enabling Olirum Erodu to pick up the materials from K S R Institute for Engineering and Technology & transporting to its godown.

5.3 Olirum Erodu shall not use or disseminate any confidential information printed on the E-waste.

5.4 For Operations G.Jayaraman, AO (97869 55572) from Olirum Erodu will coordinate on various activities identified in MOU and to notify K S R Institute for Engineering and Technology.


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CHAIRMAN
Olirum Erodu Foundation
Erode

6. Term of MOU and Notice of Termination:

This MOU is open ended in nature and can be terminated with three months notice on either side given to other party in writing at their address mentioned at the top/any other address to be notified in future. Such notice shall be deemed to be properly given if sent by registered post or by courier to the other persons authorized to sign this MOU.

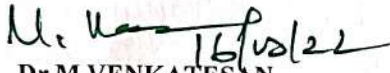
7. Authorized representatives:

Both parties hereto declare that their duly authorized respective representatives shall execute this agreement.

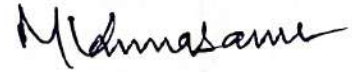
IN WITNESS WHERE OF the parties hereto have affixed their respective hands to this agreement on the day, month and year above written.

K S R INSTITUTE OF ENGINEERING AND TECHNOLOGY

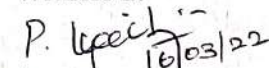
OLIRUM ERODU
FOUNDATION (OEF)

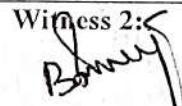

Dr.M.VENKATESAN
PRINCIPAL




M.CHINNASAMI
CHAIRMAN

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY	OLIRUM ERODU FOUNDATION(OEF)
Address: K S R Kalvi Nagar, Tiruchengode-637 215, Namakkal (Dt), Tamil Nadu, India.	Address: No.133,Gandhiji Road, Opposite Railway Junction, SKM Shree Building, Erode-638 001, Tamil Nadu, India.
Contact details: Dr.M.VENKATESAN PRINCIPAL Mobile: 99444 56056	Contact details: Thiru. G.JAYARAMAN, ADMINISTRATIVE OFFICER, Mobile: 97869 55572
Email: principal@ksriet.ac.in	Email: olirumerodufoundation@gmail.com
www.ksriet.ac.in	www.olirumerodu.com

Witness 1:

P. GOVINDARAJU, ASP & HEAD/ECE,
Date: 16.03.2022 KSRIET

Witness 2:

B. Dharmaraj
Environment panel
OEF.

