C.S.T.S GOVERNMENT KALASALA, JANGAREDDIGUDEM

ELURU DISTRICT

DEPARTMENT OF COMPUTER SCIENCE

Best practice

Erasing the Threat: Condemning E-Waste In Computer Science Labs

ON

18-04-2023

NAAC : C (II Cycle)

CHATRAPATHI SIVAJI TRI SATA JAYANTHI (CSTS)
GOVT. KALASALA

Enter to Learn - Leave to Serve

Jangareddigudem, Eluru Dist

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DEPARTMENT OF COMPUTER SCIENCE

Best Practice

1.Tittle: "Erasing the Threat: Condemning E-Waste in Computer Science Labs"

2.Aim : The aim of e-waste management within "Erasing the Threat: Condemning E-Waste in Computer Science Labs" is to establish a sustainable and responsible approach to handling electronic waste. The initiative seeks to minimize the environmental and health impact of e-waste by promoting proper disposal, recycling, and adoption of circular economy principles. By educating, advocating, and implementing resourceful practices, the goal is to cultivate a culture of responsibility within computer science labs, ensuring the ethical management of electronic waste and contributing to a greener and healthier environment.

2. Objective :

The objectives of "Erasing the Threat: Condemning E-Waste in Computer Science Labs" may include:

1. Raise Awareness: Increase awareness among computer science lab users about the environmental and health hazards associated with improper disposal of electronic waste (e-waste).

2. Educate on Responsible Disposal: Educate lab personnel about proper e-waste disposal methods and promote the importance of recycling electronic equipment.

3. Implement Sustainable Practices: Encourage the adoption of sustainable practices within computer science labs, such as recycling, refurbishing, or donating obsolete electronic devices.

4. Reduce Environmental Impact: Minimize the environmental impact of computer science labs by discouraging the disposal of electronic equipment in landfills and promoting responsible recycling channels.

5. Compliance with Regulations: Ensure computer science labs adhere to relevant environmental regulations and standards for e-waste management.

6. Promote Circular Economy: Advocate for a circular economy by emphasizing the potential for reusing and repurposing electronic devices within the lab environment.

7. Establish Policies: Work towards implementing and enforcing policies within computer science labs that prioritize environmentally friendly e-waste management practices.

8. Measure and Monitor Progress: Develop metrics to measure the reduction of e-waste and monitor progress over time, ensuring continuous improvement in responsible disposal practices.

9. Collaborate with Stakeholders: Foster collaboration with relevant stakeholders, including waste management services, environmental agencies, and other educational institutions, to enhance e-waste management initiatives.

10. Create a Culture of Responsibility: Cultivate a culture of responsibility and environmental stewardship within the computer science community, encouraging individuals to take an active role in e-waste reduction and recycling efforts.

By pursuing these objectives, the initiative aims to contribute to a sustainable and responsible approach to managing electronic waste within computer science labs, ultimately mitigating the negative impact on the environment and human health.

3. Challenges :

The initiative "Erasing the Threat: Condemning E-Waste in Computer Science Labs" may encounter several challenges, including:

1.Lack of Awareness: Overcoming the initial lack of awareness among lab users about the environmental and health risks associated with e-waste disposal could be a significant challenge.

2. Resistance to Change: Some individuals may resist adopting new practices, especially if it requires changes to established routines or procedures within the computer science labs.

3. Limited Resources: Insufficient resources, both in terms of funding and infrastructure, may impede the implementation of proper e-waste disposal methods, such as recycling facilities or collection programs.

4. Technological Obsolescence: Rapid advancements in technology may lead to frequent upgrades and replacements of electronic devices, contributing to a continuous stream of e-waste that is challenging to manage sustainably.

5. Complex Regulatory Landscape: Compliance with diverse and evolving environmental regulations related to e-waste management may pose a challenge, particularly if there is a lack of clarity or understanding regarding these regulations.

6. **Inadequate Recycling Infrastructure:** Limited access to reliable e-waste recycling facilities may hinder the proper disposal and recycling of electronic devices within the computer science labs.

7. Behavioral Change: Encouraging a shift in mindset and behavior towards responsible e-waste disposal can be challenging, as it requires breaking existing habits and fostering a culture of environmental responsibility.

8. Lack of Collaboration: Difficulty in establishing effective collaboration with stakeholders, including waste management services, environmental agencies, and other educational institutions, may limit the impact of the initiative.

9. Data Security Concerns: Proper disposal of electronic devices involves secure data erasure. Balancing the need for responsible e-waste management with data security concerns can be a delicate challenge.

10. Continuous Monitoring: Ensuring sustained adherence to responsible e-waste management practices over time may be challenging, requiring ongoing monitoring, reinforcement, and educational efforts.

Addressing these challenges requires a comprehensive and collaborative approach, involving education, policy development, infrastructure improvement, and ongoing engagement with stakeholders to create a sustainable and environmentally responsible e-waste management culture in computer science labs.

"Erasing the Threat: Condemning E-Waste in Computer Science Labs" could include:

1. **Understanding E-Waste Impact**

   "Understanding E-Waste Impact" delves into the environmental and health repercussions of improper electronic waste disposal within computer science labs. It explores the detrimental effects of e-waste on ecosystems, soil, and water, emphasizing the release of hazardous materials such as lead and mercury. The subtitle aims to enlighten lab personnel about the far-reaching consequences of their disposal choices. By comprehending the impact, individuals can make informed decisions to minimize environmental harm, reduce health risks, and contribute to a more sustainable and responsible approach to managing electronic waste. The goal is to instill awareness that motivates positive behavioral change towards responsible e-waste practices.

2. **Educating Lab Personnel**

   "Educating Lab Personnel" focuses on enlightening individuals within computer science labs about the environmental and health hazards associated with electronic waste (e-waste). This subtitle emphasizes the importance of awareness in fostering responsible disposal practices. By providing targeted educational initiatives, lab personnel gain insights into the lifecycle of electronic devices, the toxins released during improper disposal, and the significance of adopting sustainable practices. The objective is to empower individuals with knowledge, encouraging them to become advocates for responsible e-waste management within the lab environment, ultimately contributing to a collective effort to mitigate the adverse impact of e-waste on both human health and the environment.

3. **Promoting Responsible Disposal**

   "Promoting Responsible Disposal" within the context of "Erasing the Threat: Condemning E-Waste in Computer Science Labs" entails advocating for proper and sustainable methods of discarding electronic waste. This effort emphasizes communicating clear guidelines and best practices to encourage lab personnel to responsibly dispose of obsolete electronic devices. The subtitle aims to instill a sense of duty and consciousness regarding the environmental impact of e-waste, urging individuals to actively engage in practices such as recycling, refurbishing, or donating electronic equipment. Through promotion and awareness, the goal is to foster a culture of responsibility that extends throughout the computer science labs, ensuring the ethical and sustainable management of electronic waste.

4. **Implementing Sustainable Practices**

"Implementing Sustainable Practices" as part of "Erasing the Threat: Condemning E-Waste in Computer Science Labs" involves putting into action eco-friendly methods for handling electronic waste. This subtitle emphasizes the execution of tangible measures such as recycling, reusing, or refurbishing electronic devices within computer science labs. It signifies a commitment to reducing the environmental impact of e-waste through sustainable practices. By integrating these practices into daily operations, the initiative seeks to establish a long-term and environmentally responsible approach to managing electronic waste within the computer science community, aligning with broader sustainability goals. The ultimate aim is to create a positive impact on both the local environment and the global e-waste challenge.

5. **Circular Economy Advocacy**

"Circular Economy Advocacy" within the framework of "Erasing the Threat: Condemning E-Waste in Computer Science Labs" involves championing the principles of a circular economy in the management of electronic waste. This subtitle underscores the importance of extending the lifecycle of electronic devices through practices such as repair, refurbishment, and responsible disposal. By promoting a circular economy approach, the initiative aims to minimize waste generation, conserve resources, and reduce the environmental impact associated with electronic waste. The advocacy encourages computer science labs to consider the full life cycle of electronic devices, from production to end-of-life, fostering a sustainable and eco-conscious mindset within the community.

8. **Resource Allocation for E-Waste Management**

"Resource Allocation for E-Waste Management" in the context of "Erasing the Threat: Condemning E-Waste in Computer Science Labs" involves dedicating the necessary resources, both financial and infrastructural, to establish and maintain effective e-waste management practices. This subtitle emphasizes the importance of allocating funds for recycling facilities, collection programs, and educational initiatives within computer science labs. Adequate resource allocation ensures the implementation of sustainable practices, responsible disposal methods, and ongoing efforts to minimize the environmental impact of electronic waste. By securing the necessary resources, the initiative aims to create a robust framework for managing e-waste, promoting environmental stewardship and long-term sustainability within the computer science community.

9. **Cultivating a Culture of Responsibility**

"Cultivating a Culture of Responsibility" within "Erasing the Threat: Condemning E-Waste in Computer Science Labs" entails fostering a collective ethos of environmental stewardship. This subtitle emphasizes instilling a sense of responsibility among lab personnel to actively engage in ethical and sustainable e-waste management practices. By nurturing a culture that prioritizes responsible disposal, recycling, and awareness, the initiative aims to create lasting behavioral changes within computer science labs. The ultimate goal is to make responsible e-waste management an integral part of the community's values, ensuring a sustained commitment to reducing the environmental impact of electronic waste.

These subtitles provide a structured breakdown of the best practices involved in addressing e-waste in computer science labs. Each subtitle represents a specific aspect of the initiative, guiding readers through the comprehensive approach to responsible e-waste management.

5. Evidence of Success

While there may not be a specific and comprehensive body of evidence exclusively focused on eradicating the threat of electronic waste (e-waste) in computer science labs, several principles and practices contribute to mitigating e-waste in various settings. These practices align with broader sustainability efforts and environmental responsibility. Here are some aspects that demonstrate success in condemning e-waste in computer science labs:

1. Reuse and Recycling Programs:

- Implementation of robust e-waste recycling programs within computer science labs, encouraging the proper disposal and recycling of electronic equipment.

- Promotion of the reuse of functional components from old devices to reduce the overall generation of e-waste.

2. Green Procurement Policies:

- Adoption of green procurement policies that prioritize the purchase of energy-efficient and environmentally friendly electronic equipment.

- Consideration of product life cycle and disposal implications before acquiring new technology.

3. Extended Product Lifespan:

- Implementation of practices to extend the lifespan of electronic equipment, such as regular maintenance, upgrades, and refurbishment.

- Choosing durable and repairable products to minimize the frequency of replacements.

4. Education and Awareness:

- Incorporation of educational programs and awareness campaigns to inform lab users about the environmental impact of e-waste and the importance of responsible disposal.

- Training personnel on proper e-waste management procedures and the significance of recycling.

5. Collaboration with E-Waste Management Companies:

- Partnership with reputable e-waste management companies to ensure that discarded electronic equipment is handled responsibly and in compliance with environmental regulations.

- Regular auditing and monitoring of e-waste disposal processes to guarantee adherence to ethical and sustainable practices.

6.Policy Integration:

- Integration of e-waste management policies into the broader sustainability policies of the institution, reinforcing a commitment to environmental responsibility.

- Inclusion of penalties for non-compliance with e-waste disposal guidelines.

7.Lifecycle Assessment:

- Conducting life cycle assessments to evaluate the environmental impact of electronic devices from manufacturing to disposal, helping in identifying areas for improvement.

- Using this information to make informed decisions on technology choices and disposal methods.

8.Government and Industry Standards Compliance:

- Adherence to national and international standards for e-waste management, ensuring that labs comply with regulations set by government authorities and industry standards.

While each of these practices contributes to mitigating the e-waste threat, the effectiveness of eradicating e-waste in computer science labs is often measured by the combination of these efforts and their integration into a comprehensive sustainability strategy. Monitoring metrics such as the reduction in e-waste generation, increased recycling rates, and compliance with environmental standards can provide evidence of success in condemning e-waste in computer science labs.

6. Problems Encountered and Resources Required

Addressing the threat of electronic waste (e-waste) in computer science labs can encounter various challenges, and successful mitigation requires specific resources. Here are some common problems encountered and the necessary resources for condemning e-waste in computer science labs:

Problems Encountered:

1. Lack of Awareness:

- **Problem:** Many individuals in computer science labs may not be fully aware of the environmental impact of e-waste or proper disposal methods.

- **Resource Required:** Educational programs and awareness campaigns to inform lab users about the consequences of e-waste and the importance of responsible disposal.

2. Limited Recycling Infrastructure:

- **Problem:** Inadequate facilities for e-waste recycling within the lab or the institution can hinder proper disposal.

- **Resource Required:** Collaboration with e-waste management companies and investing in recycling infrastructure to ensure responsible disposal of electronic equipment.

3. Budget Constraints:

- **Problem:** Limited financial resources may impede the implementation of sustainable practices and the adoption of environmentally friendly electronic equipment.

- **Resource Required:** Funding for green procurement policies, recycling programs, and employee training to promote responsible e-waste management.

4. Resistance to Change:

- **Problem:** Resistance from lab users or administration to adopt new practices or invest in sustainable technologies.

- **Resource Required:** Change management strategies, leadership support, and communication to emphasize the long-term benefits of e-waste mitigation.

5. Complex Regulations:

- **Problem:** Navigating and complying with complex and evolving regulations related to e-waste disposal.

- **Resource Required:** Legal expertise, ongoing monitoring of regulatory changes, and the establishment of policies to ensure compliance with relevant laws and standards.

6. Fast Technological Obsolescence:

- **Problem:** Rapid advancements in technology leading to shorter lifespans of electronic devices, contributing to a higher turnover of equipment.

- **Resource Required:** Implementation of strategies to extend the lifespan of devices, such as regular maintenance, upgrades, and considering product durability during procurement.

7. Inadequate Training:

- **Problem:** Insufficient training on proper e-waste disposal practices among lab personnel.

- **Resource Required:** Training programs and materials to educate lab users on the correct procedures for disposing of electronic equipment and the benefits of responsible e-waste management.

Resources Required:

1. Financial Resources:

- Adequate budget allocation for the implementation of green procurement policies, recycling programs, and employee training.

2. Educational Resources:

- Materials for educational programs, workshops, and campaigns to raise awareness about e-waste and sustainable practices.

3. Collaboration with E-Waste Management Companies:

- Partnerships with reputable e-waste management companies to handle the proper disposal and recycling of electronic equipment.

4. Legal and Compliance Resources:

- Legal expertise to navigate and comply with e-waste regulations and standards.

5. Change Management Resources:

- Strategies and resources to facilitate change management, including leadership support, communication plans, and employee engagement initiatives.

6. Recycling Infrastructure:

- Investment in recycling infrastructure within the lab or collaboration with external facilities for proper e-waste disposal.

7. Monitoring and Evaluation Resources:

- Systems for monitoring and evaluating the success of e-waste mitigation efforts, including metrics for reduced e-waste generation and increased recycling rates.

8. Technological Resources:

- Access to information on environmentally friendly technologies and practices for sustainable procurement.

Addressing these challenges and allocating the necessary resources can contribute to the successful condemnation of e-waste in computer science labs, fostering a culture of environmental responsibility and sustainability.

8. Conclusion :

In conclusion, the imperative to condemn e-waste in computer science labs necessitates a concerted effort marked by education, collaboration, and resource allocation. Overcoming challenges such as a lack of awareness, limited recycling infrastructure, and budget constraints requires targeted educational initiatives. By fostering an understanding of the environmental impact of e-waste, labs can cultivate a culture of responsibility.

Collaborating with e-waste management entities and adhering to evolving regulations are crucial steps toward ethical disposal. Adequate financial resources are essential for implementing green procurement policies and recycling programs. Moreover, overcoming resistance to change through effective leadership and communication is pivotal. Selecting technologically sustainable solutions further contributes to mitigating e-waste.

Monitoring and evaluating efforts with measurable metrics, such as reduced e-waste generation, are indispensable for continuous improvement. In essence, erasing the threat of e-waste in computer science labs is a holistic endeavor, requiring a combination of education, collaboration, and strategic resource allocation to build a sustainable and responsible ecosystem.

NAAC : C (II Cycle)

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DEPARTMENT OF COMPUTER SCIENCE

Condemning E-Waste
In
Computer Science Lab

Dt : 18-04-2023

As a part of Best Practice, the department of Computer science Condemning E-Waste In Computer Science Lab on 18-04-2023 in CSTS Govt. Kalasala, Jangareddigudem. The I, II & III students are participating in this work. They were contributing their services to upload condemned items on vehicle and clean the lab also. This programme id completed under the CCE Proceeding for Dispose E-Waste materials in colleges order. This programme is done under supervision of the Principal Dr.N. Prasad Babu ,there senior faculty Dr. K. Satya Rajesh, Lecturer in Computer Science, Sri U. Venkatacharyulu, Lecturer in Chemistry, and Sri G. Ganghadar, Lecturer in Physics.This Programe had successfully completed with the permission of Principal Dr.N. Prasad Babu, CSTS Government kalasala, jangareddigudem.

PROCEEDINGS OF THE COMMISSIONER OF COLLEGIATE EDUCATION
AP::VIJAYAWADA
Present: Sri Pola Bhaskar, IAS.

Re.No:02/Acad.Cell-Policies/A.C-6/2022 **Date: 29-03-2022**

Sub: Commissionerate of Collegiate Education – Disposal/condemnation of E-Waste in the Government Degree Colleges (GDCs) – certain guidelines – reg.

Ref: G.O Ms.No.24, Information Technology &Communications (INFRA) Department dt: 03-09-2010.

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A number of e-Governance initiatives have been taken up by the Government of Andhra Pradesh to improve the efficiency of the Government and for providing better access to the citizens. Government of Andhra Pradesh as part of its e-Governance initiatives and social responsibility intends to recycle all the e-Waste available in various Government Departments / HoDs / Offices.

It is noticed that a lot of e-waste is generated at college level due to unusable or broken electrical and electronic equipment/gadgets such as computers (Monitors, CPUs, hard disks, RAM cards, CDs, floppies etc.,), printers including cartridges, Copying equipment etc.,

In view of the above, the principals of all Government Degree Colleges (GDCs) in the state are informed a College Level Committee shall be constituted for verification and to list-out item wise unusable or broken electrical and electronic gadgets pertaining to the colleges which were purchased not less than 5 years before. The College Level Committee shall be constituted with the following members:

1) Principal
2) Two Senior Lecturers (One must be from Computer Science dept)
3) Administrative Officer/ Superintendent
4) Two student representatives

Procedure for the disposal/condemnation:

The following procedure has to be followed at college level for listing out and consolidation of unusable or broken electrical and electronic equipment/gadgets for disposal.

a) Each department has to prepare a list of unusable or broken electrical and electronic equipment/gadgets in the proforma given below and submit the list to the College Level Committee.

S. No	Name of the Item /Material	Description	Date of purchase	Invoice No.	Cost of the item/ material	No of the units to be condemned	Name and Page no in stock register

Data destruction /Removal of data from any storage media is the responsibility of the respective department in-charges.

b) The College Level Committee shall have to verify and consolidate the list of condemnable/disposable items after receiving the list from the respective departments.

c) The College Level Committee shall submit the consolidated list of condemnable/disposable items for the approval of Staff Council.

d) After obtaining the approval from the Staff Council, the college would communicate to M/s. APTS Ltd., the details of e-Waste available including the locations where the e-Waste is available by following the procedure in accordance with G.O Ms.No.24, IT&C(INFRA) Dept dt: 03-09-2010

M/s. APTS Ltd. finalized the following two agencies for empanelment for recycling and disposal of e-Waste material:-

i) M/s. Earth Science Recycling Pvt. Ltd., Hyderabad.

ii) M/s. Ramky Enviro Engineers, Hyderabad.

All the Principals of GDCs are informed to utilize the e-Waste services through M/s. APTS Ltd and obtain necessary receipt for record purpose.

After disposing the items as per the above procedure, an entry shall be made in the respective departmental stock registers of the Non-repairable/Unserviceable items as "Condemned and disposed through the M/s. APTS Ltd" against each item in a separate column along with the particulars of staff council resolution Number and date.

The Principals are informed to follow the above process scrupulously and any deviation will be viewed seriously and action will be taken accordingly.

Sd/- Pola Bhaskar IAS
Commissioner of Collegiate Education

To
The Principals of all Govt Degree Colleges
Identified College Principals
RJDCEs of Rajahmundry, Guntur and Kadapa.

//ATTESTED//

Tulasi 29/3/22
Academic Guidance Officer

CHATRAPATHI SIVAJI TRI SATA JAYANTHI (CSTS)

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Date: 27-03-2023

STAFF MEETING

Agenda : Dispose e-waste material in college – Reg

Ref : 1) Proceeding of Commissonerate of Collegiate Education RC.No: 02/Acad.Cell-Policies/A.C-6/2022, Dt: 29-03-2022

All the Staff members assembled in the principal chamber today 27-03-2023 at 2.30 PM, as the principal acted as the chair for the meeting. In the meeting the following issues have been discussed and resolved to taken them up unanimously

- Constitute a committee to write off and dispose the E-Waste and handover the same to APTS, Andhra Pradesh. The above committee is to be headed by the principal as the convenor and Dr K.Satya Rajesh, Sri G.V Gangadhara Rao, Sri U. Venkata Charyulu as members along with Two students.

NAME OF STAFF/STUDENT		DESIGNATION	SIGNATURE
1) Dr N. Prasad Babu	-	Principal -	
2) Dr K.Satya Rajesh	-	Lecturer in Computer science -	
3) Sri U.Venkatacharyulu	-	Lecturer in chemistry -	
4) Sri G. V. Gangadhara Rao	-	Lecturer in Physics -	
5 B. SRINIVASA RAO		Lecturer in Economics	
6. G. Srinivasa Rao		Lecturer in English	
7. Dr. CH. Baburi Narayana		Lecturer in Mathes	
8. G.V. Kol		Telugu	
9. Dr. M. MADHU		Chemistry	
10. P. NAGESWARARAO.		Telugu.	
11. Ch. Rama Devi		Commerce	
12. Ch. V. Lakshmi		Horticulture	
13 M. SRINIVASARAO		DOI, SC	

14. R. Vijaya Deepika — Lec in Zoology — Vijaya
15. R. Raja Srikanth — Lec in Computer Science — J. Raja
16. Dr. K. Uttamsagar — Lec in Commerce — K. Uttamsagar
17. K.V.V. Sirisha — lec in commerce — K.V. Sirisha

CHATRAPATHI SIVAJI TRI SATA JAYANTHI (CSTS)
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Date: 12-04-2023

COLLEGE LEVEL COMMITTEE REPORT ON E-WASTE

SUB : College Level Committee report to dispose e-waste material in college – submitted

Ref : 1) Proceeding of Commissonerate of Collegiate Education
RC.No: 02/Acad.Cell-Policies/A.C-6/2022, Dt: 29-03-2022
2) Staff resolution committee formed dt: 27/03/2023

The following items are available in Department of Computer Science and the items are not in working condition and the items to be condemned

S.NO	Name of the Item	Description	Date of Purchase	Invoice No	Cost of item (approx)	No of items condemned	Name & Pageno in stock register
1.	Monitors (CRT)	Not Working	All the items were old and details were not available in stock register	All the items were old and details were not available in stock register	15000	30	Stock details are available in page no 1 in computer science stock register
2	CPU - PIV	Not Working			18000	31	
3	UPS Batteries	Not Working			6000 (12v)	5	
4	UPS	Not Working			18000	1	
5	Printers	Not Working			8000	2	
7	LCD Projector – Viewsonic	Not Working			65000	1	

NAME OF STAFF/STUDENT		DESIGNATION		SIGNATURE
1) Dr N. Prasad Babu	-	Principal	-	12/4/23
2) Dr K.Satya Rajesh	-	Lecturer in Computer science	-	K. S. Raj
3) Sri U.Venkatacharyulu	-	Lecturer in chemistry	-	U Venkat
4) Sri G. Gangadhar	-	Lecturer in Physics	-	G. Gangadhar
5) U. Nagendra	-	III B.Sc(MPCS) Student	-	
6) K. Yuva Satya Sai	-	III BSc(MPCS) Student	-	K. Yuva satya Sai
7) A. VIJAYA KUMAR		SENIOR ASSISTANT	-	Vijay

EARTH SENSE RECYCLE PRIVATE LIMITED HYDERABAD

Received above materials

VIJAYA MURALIKRISHNA HEAVY LORRYKATA
JANGAREDDYGUDEM
CELL-9849499779

: 1599 VEHICLE NO : MH14JL5829
R : MATERIAL :

t: 2840 kg Date:18/04/2023 Time:11:51
t: 1980 kg Date:18/04/2023 Time:07:38
t: 860 kg EIGHT SIX ZERO kg

(1): Rs 80

r's Signature:

WELCOME

VIJAYA MURALIKRISHNA HEAVY LORRYKATA
JANGAREDDYGUDEM
CELL-9849499779

VEHICLE NO : MH14JL5829
MATERIAL

: 1599
ER : Date:18/04/2023 Time:07:38
Wt: 1980 kg

s(1): Rs 80

or's Signature:

WELCOME

SRI VIJAYA MURALIKRISHNA HEAVY LORRYKATA
JANGAREDDYGUDEM
CELL-9849499779

RST NO : 1599 VEHICLE NO : MH14JL5829
CUSTOMER : MATERIAL :

TARE Wt: **1980** kg Date:18/04/2023 Time:07:38

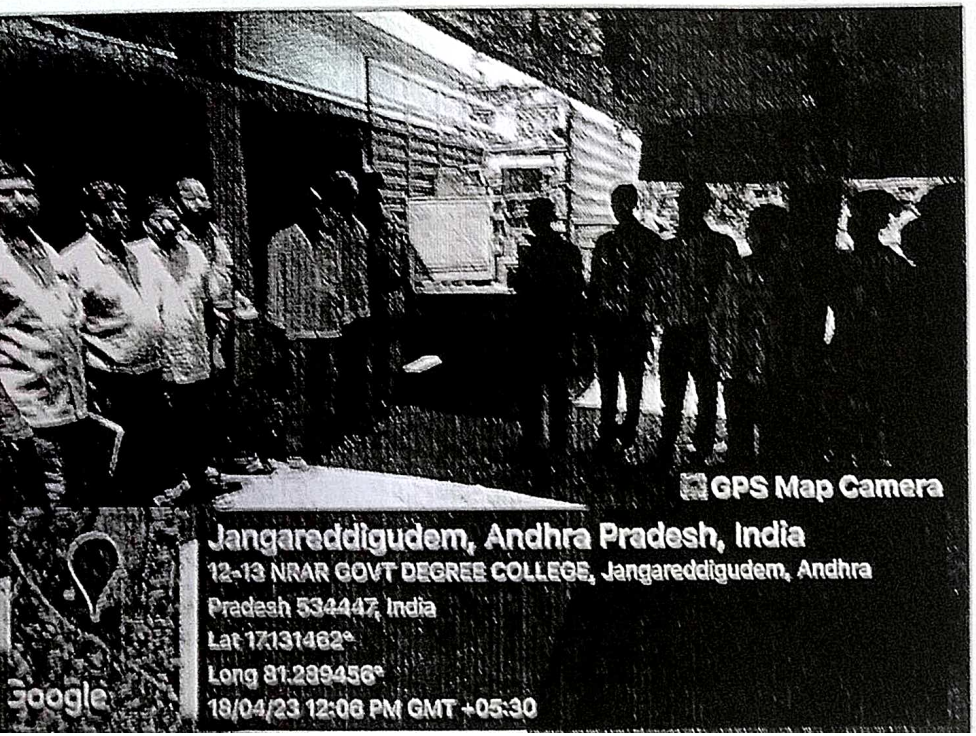
Charges(1): Rs 80

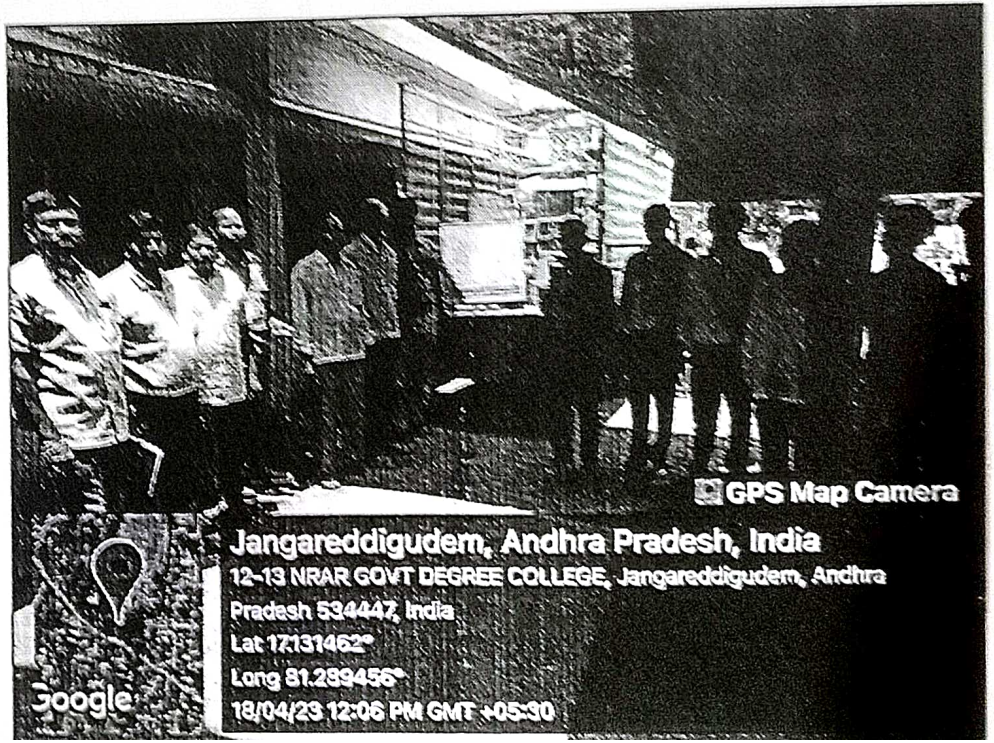
Operator's Signature:

WELCOME

E –WASTE MATERIAL SUPPLIED TO EARTHSENSE RECYCLE PVT. LTD, HYD

Date : 18-04-2023





ref: ESRPL/CSTS/ FP-25/2023-24

MEMORANDUM OF UNDERSTANDING

Between

Earth Sense Recycle Pvt Ltd Mankhal Maheshwaram Mandal, Rangareddy Dist Telangana-501359 & Chatrapathi Sivaji Tri Sata Jayanthi [CSTS] Govt Kalasala Jangareddigudam,W.G dist AP

This agreement of affiliation on the joint venture "collection, transportation, treatment and scientific Recycling/ disposal of E-Waste" entered into on 17.04.2023 by and between EARTH SENSE RECYCLE PRIVATE LIMITED (herein after called Party No.1, which includes their successors in administration)), an organization formed specifically for the purpose of disposal of Electronic and Electrical Waste (herein after referred to as "E-Waste")

AND

Chatrapathi Sivaji Tri Sata Jayanthi [CSTS] Govt Kalasala Jangareddigudam,W.G dist AP (herein after called the Party No.2 which includes their representatives successors and persons claiming under him/her/them))

WHEREAS Party No. 1 herein has set up a facility at Plot No-37,TSIIC Industrial Park Mankhal Maheshwaram Mandal, Rangareddy Dist Telangana-501359 for collecting, storing and Recycling of E-Waste generated from public and private sector institutions with the approval of Pollution Control Board and is presently engaged in collection of E-Waste for scientific disposal.

Terms and Conditions

1) Party No. 2 understands the origin, purpose and function of Party No.1.
2) The affiliation of Party No.2 with Party No.1 shall be for the period of Two year initially, commencing from this date. The affiliation shall be renewed for further period on mutual consent in writing with Party No.1.
3) Party No. 1 shall not charge any amount as affiliation fee from Party No.2 for entering into this agreement.
4) Both parties agree on the mutually accepted rate specified in Annexure 1.
5) Party No. 1 agrees to pay Party No.2 on items listed in "ON SALE BASIS" which is mutually agreed upon.

EARTH Sense

6) Party No.1 hereby undertakes:
   a. Provide training on segregation and handling of E-Waste free of cost if necessary to Party No. 2.
   b. To collect and transport the E-Waste from the premises of Party No.2 as soon as Party No. 2 informs about the availability of such material in their premises on the specified rate agreed upon
   c. To provide the required documents on lifting of E-Waste from the premises of Party No.2.
   d. Provide certificate of destruction to Party No. 2 after processing the material collected.
   e. Shall process / recycle / dispose off the materials in the approved mode. The ownership of the materials shall pass to Earth Sense only upon the treatment of the materials as said above.
   f. Earth Sense shall not sell, distribute or otherwise furnish such materials in its original form to any person or entity and will necessarily render the Services with respect to all materials sold under this contract.
   g. Shall bear the cost of logistics to deliver the material to locations where disposal services are provided for Party No.1.
   h. To take up the responsibility and liability in the subject matter of disposal of E-Waste towards the Pollution Control Board.
   i. Make payment to Party No.2 by Cheque or Demand Draft in advance listed in "ON SALE BASIS" on the specified rate agreed upon.
   j. Shall exercise every reasonable safety precautions and best management practice, whether or not required by law, in the performance of its duties under this contract.
   k. Shall notify Party No.2 immediately if any of its permit, license, approval or identification number required for the performance of the services have been revoked, modified, expired, suspended or not been renewed.
   l. Logistics cost shall be borne by E-Waste Generator if the quantity is below one ton.

7) Party No.2 hereby undertakes:
   a. Provide access to staff of Party No. 1 for visual inspection of the E-waste and submit a Waste audit report.
   b. Collect and store the E-Waste at a final collection point with easy accessibility for collection by Party No. 1.
   c. To permit entry and exit of vehicles of Party No.1 in and out of the premises of Party No.2 for collection of the E-Waste.

Annexure 1

Following are our incentives for E-Waste taken by **ON SALE BASIS**

Description of E-waste	Price per Kg in INR
CPUs, LCD Monitor, Laptops, UPS, Servers, PCBs, Telecom networking switching station, lead acid battery, Scanners, Fax, Printers, Photocopy, Card Readers, Swipe machine, fans, IT related mixed cables and AC etc	25
CRT Monitors, CDs, Storage devices, Thumb drives, Power control units, , Key boards, Mouse, Plastic parts, Handsets, chargers, Wires, etc, IT Spares CPU cabinets, Headsets , Regulators, Meters, Switches, Starters, Chokes, Calculators, Metal waste, Speakers all Electrical cables ,Electronics E-waste, other Electrical Items	10

**Taxes extra*

Billing /Facility Address:

Earth Sense Recycle Pvt Ltd
Plot No-37,TSIIC Industrial Park
Mankhal Maheshwaram Mandal
Rangareddy Dist Telangana-501359

GST NO – 36AABCE9009K1ZI

For Earth Sense Recycle Private Limited,

BalajiChowdharyKoripalli.

Manager-Business Development

For Chatrapathi Sivaji Tri Sata Jayanthi [CSTS] Govt Kalasala Jangareddigudam,W.G dist

Principal

Form-6

[See rule 19]

E-WASTE MANIFEST

006

1.	Sender's Name and mailing Address (Including Phone No.) :	M/s Chaitanya Bharati Tri Sata Jayanthi Govt Kalasala Jangareddigudem W/o Dist
2.	Sender's Authorisation No., if applicable :	
3.	Manifest Document No.:	005
4.	Transporter's Name and Address (Including Phone No.) :	ESPL
5.	Type of Vehicle :	(Truck or Tanker or Special Vehicle)
6.	Transporter/s Registration No.:	
7.	Vehicle Registration No.:	MH14JL5829
8.	Receiver's Name & Address :	**Earth Sense Recycle Private Limited** Plot No. 37, TSIIC Industrial Park, Mankal (V), Maheshwaram (M), Rangareddy District, Telangana - 501 359.
9.	Receiver's Authorisation No., if applicable :	2136763 | TSPCB | CFO | RO | RR-I | MP | 2014 | 1674
10.	Description of E-waste (Item, Weight / Numbers)	E Waste 6 Numbers
11.	Name and stamp of sender * (Manufacturer or Producer or Bulk Consumer or Collection Centre or Refurbisher or Dismantler) : Signature	Principal CSTS Govt. Kalasala Jangareddigudem, W.G.Dt. — Month: 1 8 — Day: 2 0 — Year: 2 3
	Transporter acknowledgment of receipt of E-Waste	
12.	Name and Stamp: Signature	Month: 0 4 — Day: 1 8 — Year: 2 3
	Receiver * (Collection Centre or Refurbisher or Dismantler or Recycler) Certification of receipt of E - Waste	
13.	Name and Stamp: Signature	Month: 0 4 — Day: 1 8 — Year: 2 0 2 3

Note:-

* As applicable

Copy Number with Colour Code (1)	Purpose (2)
Copy 1 (Yellow)	To be retained by the sender after taking signature on it from the transporter and other three copies will be carried by transporter
Copy 2 (Pink)	To be retained the receiver after signature of the transporter
Copy 3 (Orange)	To be retained by the transporter after taking signature of the receiver
Copy 4 (Green)	To be returned by the receiver with his/her signature to the sender

NAAC : C (II Cycle)

CHATRAPATHI SIVAJI TRI SATA JAYANTHI (CSTS)
GOVT. KALASALA

Enter to Learn - Leave to Serve

Jangareddigudem, Eluru Dist

Phone : 08821-225310, Visit us at : www.cstsgk.ac.in

E-Mail : jangareddigudem.manatv@gmail.com

Date : 18-04-2023

To
Mr Nitin
Earthsense Recycle Pvt. Ltd
Hyderabad.

Dear Sir

Greetings from CSTS Government Kalasala, Jangareddigudem Andhra Pradesh. Our college is going for third cycle of NAAC accreditation and we are in the process of preparing Annual Quality Assurance Report (AQAR) for the year 2022-23, as a part Criteria VII of NAAC process, we are mandated to dispose the E-Waste generated in the institute to a certificate E-waster handler.

In this regard we request you to collaborate with our institution for E-Waste management for the year 2022-23 and 2023-24

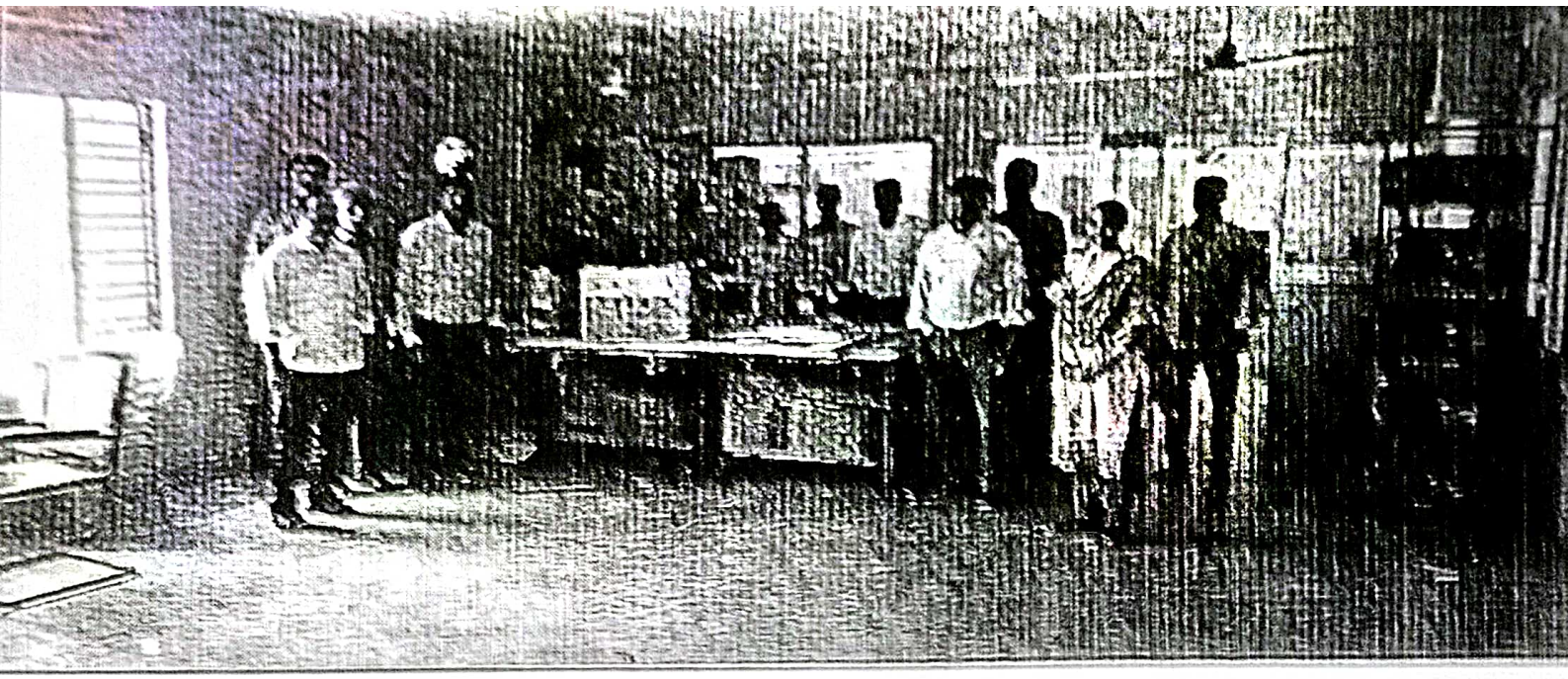
Thanking you

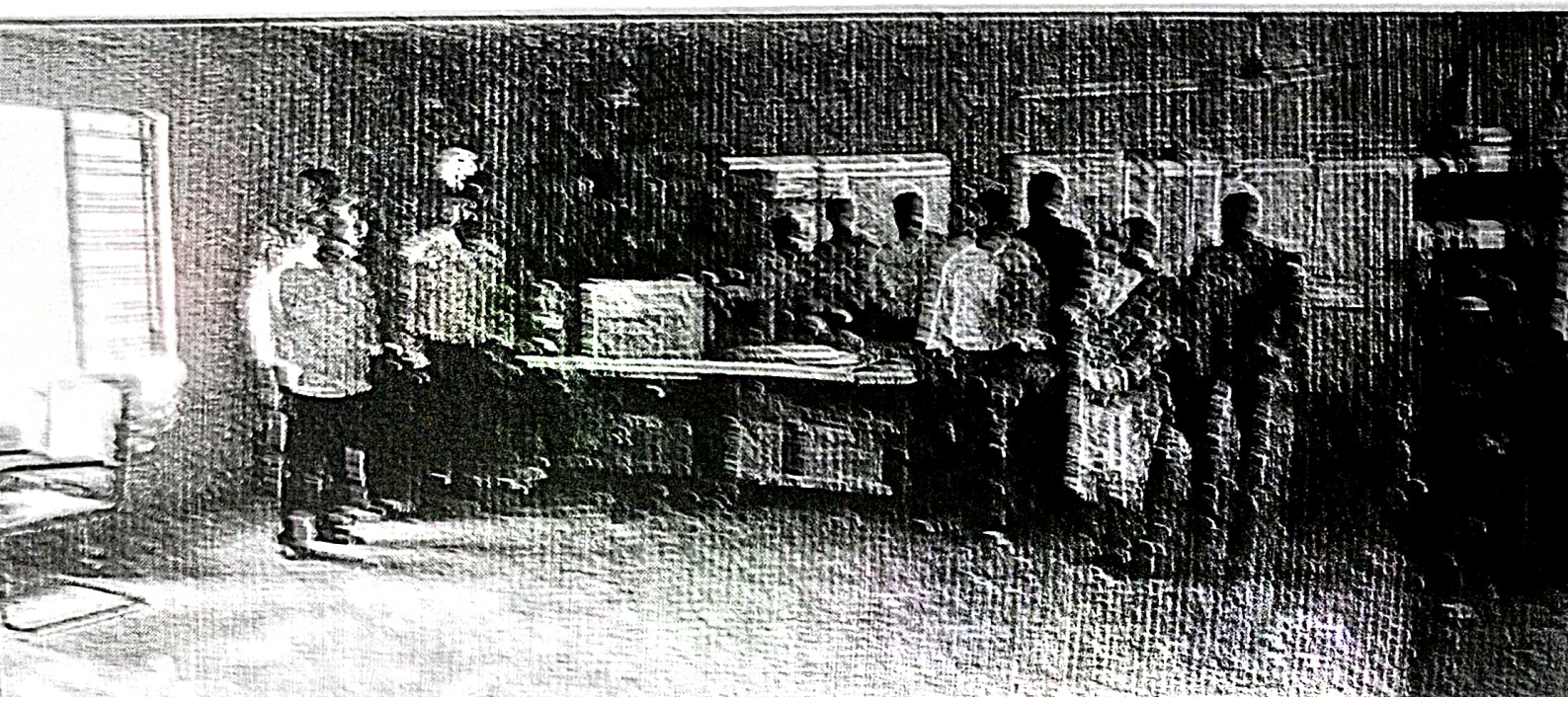
Yours Sincerely,

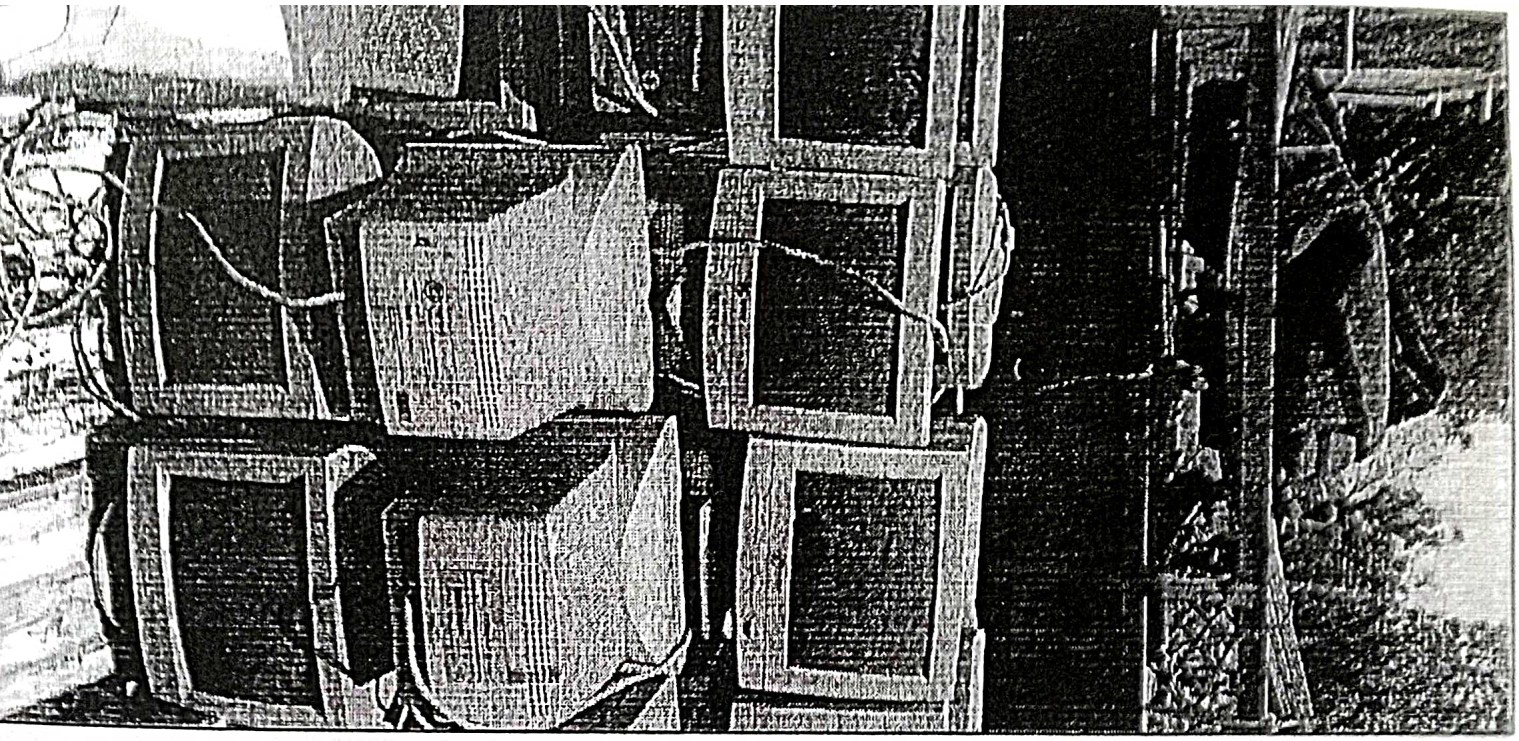
Principal 18/4/23
CSTS Govt. Kalasala
Jangareddigudem, W.G.Dt.

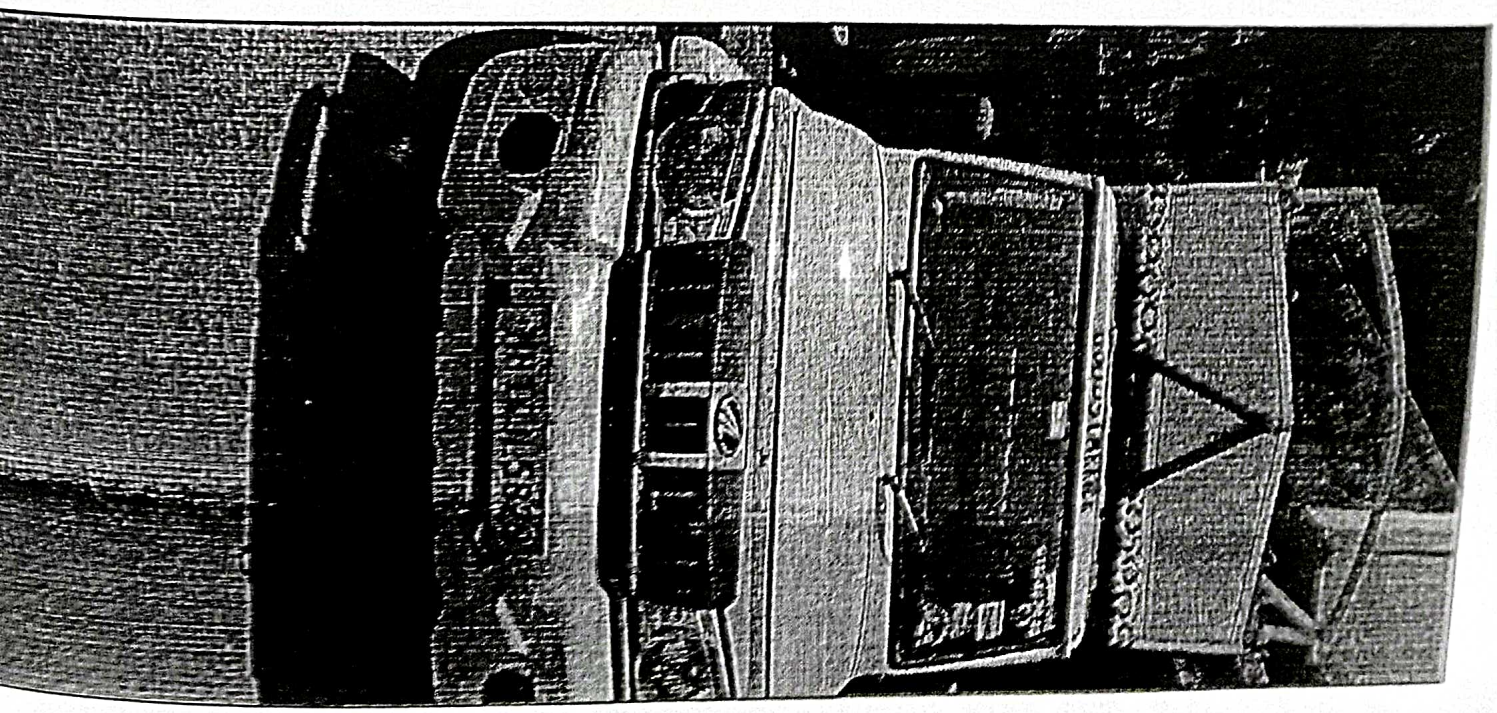
EARTH SENSE RECYCLE PRIVATE LIMITED HYDERABAD

Received above material
Thanks
C. Venkatesh
9000378877





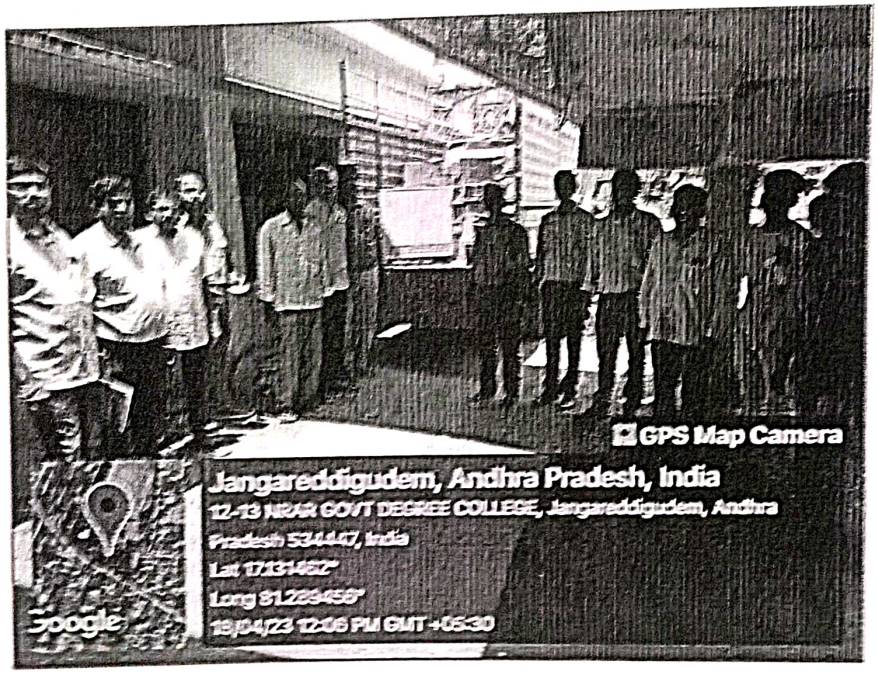


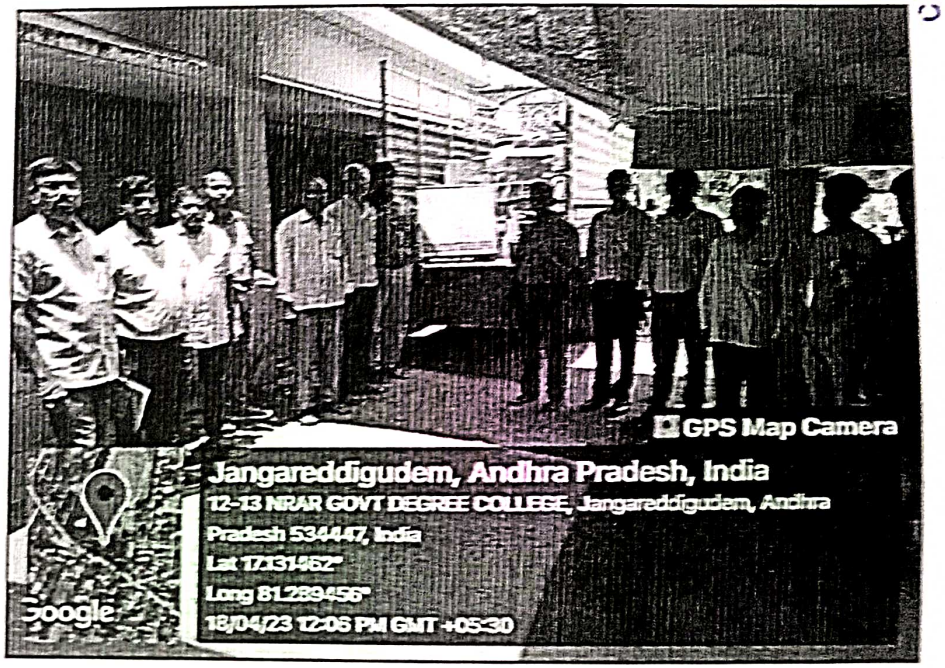


E –WASTE MATERIAL SUPPLIED TO EARTHSENSE RECYCLE PVT. LTD, HYD

Date : 18-04-2023

Principal
CSTS Govt. Kalasala
Jangareddigudem-534447
Eluru Dist.,A.P





I extend my sincere thanks

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