



7.1.2: The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
- 2. Management of the various types of degradable and non degradable Waste**
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

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2. Management of the various types of degradable and non-degradable waste

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CURREW WASTE ASSESSMENT AND EXISTING SOLID WASTE MANAGEMENT

SYSTEM IN THE AVANTHI CAMPUS

- a) Classrooms
- b) Office rooms
- c) Examination cell
- d) Laboratories
- e) Canteen
- f) Stores/stationary section
- g) Play Ground
- h) Washrooms
- i) Construction works
- j) Dining Section
- k) Seminar halls/Auditoriums
- l) Workshop section

Collection:

- a. Dust bins placed at various places like class rooms , corridors, office rooms, laboratories, canteen, stores etc.,
- b. Dry waste and wet waste separation containers at canteen and entire campus.
- c. Providing Push carts/dust bins to collect different types of solid and others types of waste.
- d. Collected waste dumped at composting unit.

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QUANTITY OF SOLID WASTE:

In the campus we are having so many Classrooms, Labs, office room, exam cell, stores, seminar halls, canteen etc, so that solid wastes like waste papers, wrappers, records, debris, organic wastes, inorganic wastes etc, collecting the wastes on daily basis. On an average per day, we are getting 20kg solid wastes from different sources.



Dry waste and wet waste two garbage disposal bins in the campus

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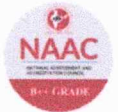
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Dry waste and wet waste two garbage disposal bins in the campus

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Separating Dry Waste & Wet Waste:

We maintain two garbage disposal bins in the campus, one is for dry waste and another is for wet waste. The wasted items like Aluminum foils, tetra packs glass, paper, plastics, metals, etc. thrown under the dry waste category, where as kitchen waste such as stale food, fruits and vegetables come under wet waste.

Storage of solid waste:

The aim of waste management is to reduce the dangerous effects of such waste on the environment and human health. A maximum part of waste management deals with municipal solid waste, which is created by industrial, commercial, and household activity. Proper management of waste is important for building sustainable and populated cities, but it remains a challenge for many developing countries and cities. A report found that effective waste management is relatively expensive, usually comprising 20% 50% of municipal budgets. Operating this essential municipal service requires integrated systems that are efficient, sustainable, and socially supported. A large portion of waste management practices deal with Municipal Solid Waste (MSW) which is the bulk of the waste that is created by household, industrial, and commercial activity

BURNING THE WASTE:

We are getting very less bulk quantity of solid wastes from different places in the campus so that, burning the waste at 05:00PM on daily basis and exporting that burned ash to dumping yard by weekly twice.

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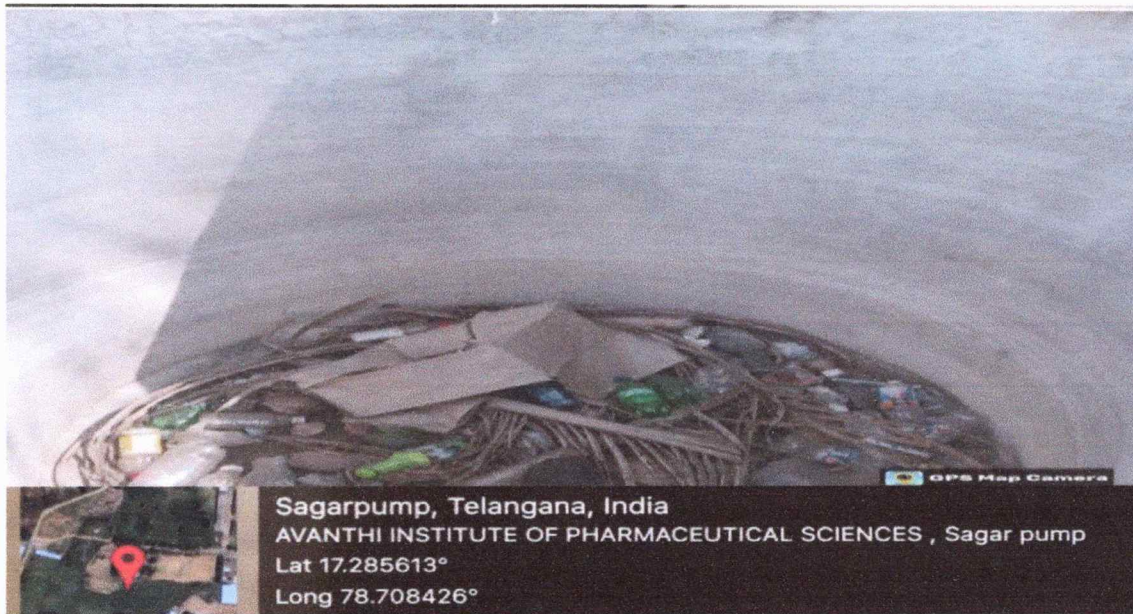
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Dumping Yard for the Burning Waste



Burning Waste

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2. LIQUID WASTE MANAGEMENT:

The waste water generated from the sanitary facilities is disposed off into septic tanks located at different places in the campus and their effluents combined with canteen waste. A pit is dug into the ground to store waste water for plant maintenance. Proper drainage system is arranged for all buildings of the campus. The excess wastewater will be directed into the drainage system. RO plant waste water is diluted with canteen waste water and used for gardening, watering trees etc.



RO plant waste water is diluted with canteen waste water and used for gardening

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Proper drainage system



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3. E-WASTE MANAGEMENT:

Salient Features of AIET

S.NO	Parameter	Availability
1	No of Computer labs	03
2	No of Computer systems	167
3	No of AC's	06
4	RAM	8GB
5	ROM	256GB,512GB&1TB
6	Graphic card	1TB
7	No of Projectors	18
8	No of Tube light	83
9	No of LED's	24
10	No of FAN's	126
11	No of cc TV's	1
12	No of CC Cameras	32
13	UPS	01
14	Printers	09
15	Xerox Machines	03

Sources of E-Waste (Electrical, Electronics, Equipment & other sources of wastes)

- Computer labs, Printers
- Office section .Records
- Examination cell
- Electrical Labs
- Electronics Labs
- Power grid/powerhouse



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- g) Class rooms
- h) Rest rooms
- i) Printers
- j) Records

By innovative technology, the Other E-Waste materials are properly recycled and reused for construction purpose. Awareness programs are initiated on E-Waste management to dispose through vendors.



E-Waste Computer materials

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4. SEWAGE WATER TREATMENT PLANT:

AIPS has Reverse Osmosis facility for recycling water. Reverse Osmosis is a means of pulling clean water out of polluted water or salt water by pushing water through a membrane under pressure. The water which originates from the bore wells is treated through the reverse osmosis process at the RO plant. The clean water is used for drinking and waste water from the RO process is used for gardening. RO plant purified water stored in SYNTEX tank with a capacity of 2500 Liters.



RO plant



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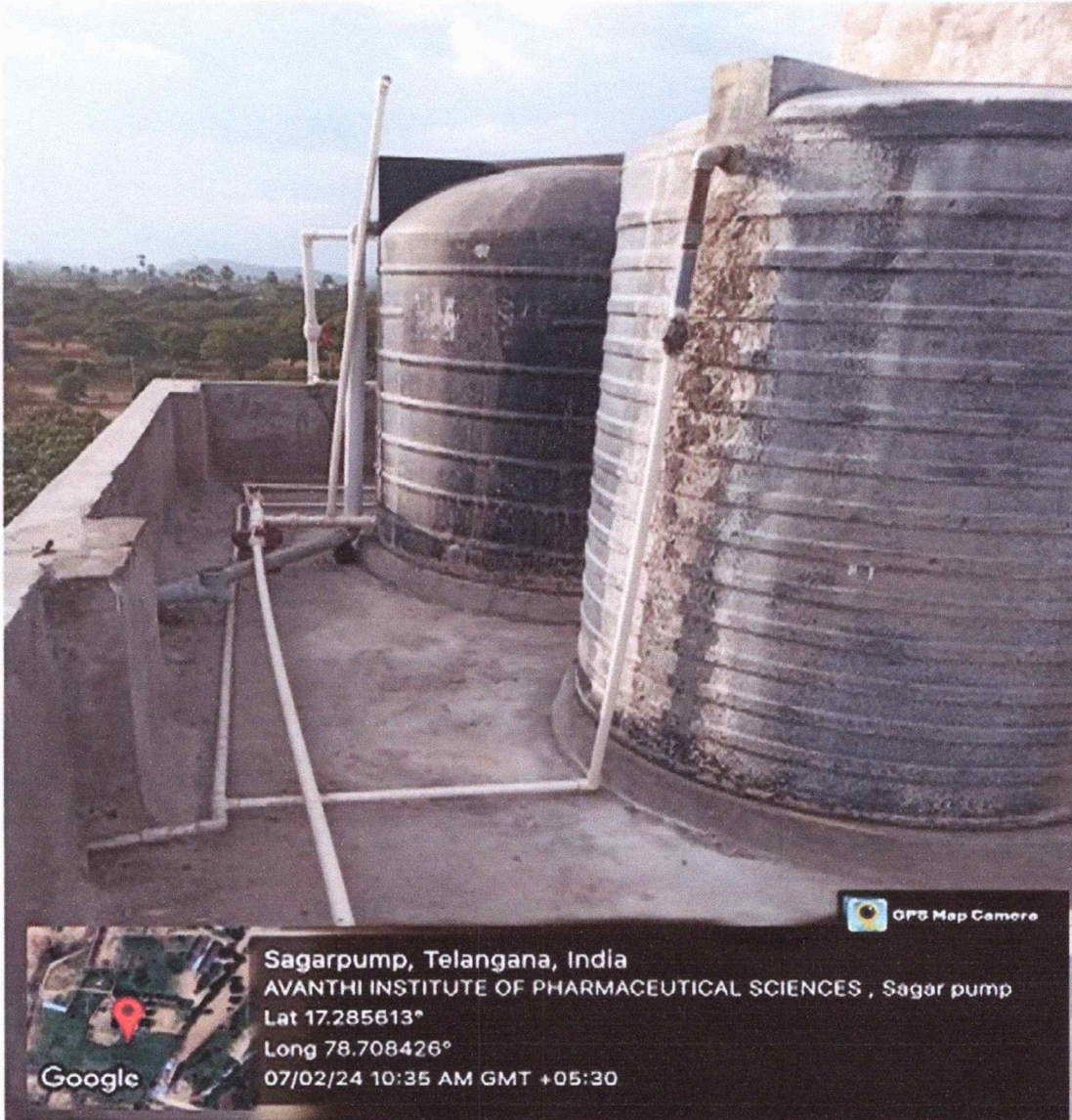
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RO plant purified water stored in SYNTEX tank 2500 Liters of Each



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MEMORANDUM OF UNDERSTANDING

This **Memorandum of Understanding** is made and executed on **June 20th 2023** at **Hyderabad**.

BY AND BETWEEN

Avanthi Institute of Pharmaceutical Sciences Hyderabad, its administrators, assigns, and successors are represented by Principal Dr K. Balaji. Who is duly authorized to sign and execute the MoU.

The First Part

AND

Earth box Ventures Private Ltd, an authorized agency of ITC, is represented by CH.Rajuhas its principal office situated at Plot No # 52, IDA Nacharam, and Hyderabad 500076 and represented by Mr.CH. Raju Managing Director referred as "**Earth box**"

The Second Part

Whereas Avanthi Institute of Pharmaceutical Sciences Hyderabad has agreed to collect and give away the dry recyclable waste including any kind of paper waste and old records generated in its college and form Swachh WOW Hyderabad Chapter.

1. NOW THIS MOU WITNESSETH AS UNDER:

This is an agreement for a synergic alliance between Avanthi Institute of Pharmaceutical Sciences Hyderabad and Earthbox for the social cause of recycling Dry Waste and Environment Protection through recycling.

2. Time period: This MOU shall be for a period of one year commencing from the date of signing of this MOU.

3. Roles and Responsibilities of Avanthi Institute of Pharmaceutical Sciences Hyderabad:

- a. To ensure source segregation of dry and wet waste at college premises through its Teaching staff, housekeeping staff, and Students.
- b. Avanthi Institute of Pharmaceutical Sciences Hyderabad will give away any kind of paper waste, dry recyclable waste, and old records to Earth box at price agreed mutually. Earthbox will pay Rs.8/kg for any kind of Paper waste and old records and Rs. 5/kg for Plastic Waste (pet bottles, polythene bags, etc.,).
- c. Avanthi Institute of Pharmaceutical Sciences Hyderabad shall form Swachh WOW Hyderabad Chapter in the college with Student Volunteers and adopt nearby Schools or Colonies to promote Source Segregation through student volunteers.



- d. Avanthi Institute of Pharmaceutical Sciences Hyderabad shall provide students withan Internship in WOW Program.
- e. Avanthi Institute of Pharmaceutical Sciences Hyderabad shall motivate students to bring dry recyclables like paper, plastic, metal, etc. from their homes and donate to the WOW initiative.
- f. Avanthi Institute of Pharmaceutical Sciences Hyderabad will put up color-coded bins for waste segregation at different points in the College premises.

4. Roles and Responsibilities of Earthbox:

- a. ITC-MARI will train the students and housekeeping staff on source segregation and through them inculcate the habit of source segregation among the other students.
- b. Earthbox will collect dry recyclable waste and old records from college and bring to the Dry Resource Collection Centre (DRCC) without any spillage.
- c. Earthbox will organize the sorting of the dry waste into different categories, baling, and appropriate disposal of dry waste.
- d. Earthbox shall coordinate with ITC and undertake necessary measures for dispatch of the sorted recyclables for recycling at its own cost.
- e. Earthbox will make payment to Avanthi Institute of Pharmaceutical Sciences Hyderabad directly into their accounts for the dry recyclable waste collected against the accurate weighment and the type or category of the dry waste. The payment shall be made no later than 15 days from the date of purchase of dry waste from the waste collector. Franchisee on the request of Avanthi Institute of Pharmaceutical Sciences Hyderabad may give New Notebooks and Stationery against the value of dry recyclable waste lifted.

5. Performance of Obligations

- a. The details laid out in this MOU, notwithstanding the essence and spirit of this MOU is an understanding between Avanthi Institute of Pharmaceutical Sciences Hyderabad and Earthbox.
- b. Any notice or other communication under or in connection with this agreement shall be in writing in the English language and shall be delivered personally or sent by way of e-mail to the party due to receive the notice or communication at its address set out in this contract or such other address as either party may specify by notice in writing to other.

ADDRESS FOR COMMUNICATION:

Following is the address to which all notices shall be sent:

For Earthbox:

Earthbox IT Private Limited,
11-3-362/3, Mohammmadguda
Secunderabad,
Hyderabad - 5000061
Phone No. 9515369262

Avanthi Institute of Pharmaceutical Sciences Hyderabad,

Avanthi Institute of Pharmaceutical Sciences Hyderabad,
Osmania University Campus,
Hyderabad.

6. Execution of this Agreement shall be deemed to be

- a) A confirmation by both the parties that no benefit, either in cash or kind has been provided by either party to the other party or to any officer or employee, or any relative/ associate of any officer or employee of either party or of any of their associate institutions/companies to enter into this Agreement, and
- b) An undertaking by both the parties not to provide any benefit, either in cash or kind to any officer/employee/relative/associate of any officer or employee of either party as reward or consideration either for entering this MOU or other matter relating to this Agreement.

7. Other Terms:

Force Majeure: Neither party shall be liable for damages for any delay or failure to perform its obligations here under, if such delay or failure is due to reasons beyond the control of the concerned party including without limitation, strikes, riots, wars, fires, epidemics, quarantine restrictions, unusually severe weather, earth quakes, explosions, acts of God or state or any public enemy or acts mandated by applicable laws, regulation or order, whether valid or invalid, of any Governmental body.

- 8. Dispute Resolution:** It is understood by both the parties that this Agreement is for a social cause and not to make any profit out of the understanding. The Parties covenant that they will comply with all applicable laws and regulations in their conduct pursuant to this Agreement. Any dispute arising out of this Agreement shall be first attempted to settle amicably between the parties.

9. Arbitration

Any dispute which is not resolved amicably shall be finally settled by binding arbitration in respect to the matters concerning to the MOU with the Sole Arbitrator to be appointed by the mutual consent of both the parties. The Parties agree that the decision or award resulting from arbitration shall be final and binding upon the Parties.

Pending the submission of and/or decision on a dispute, the Parties shall continue to perform their respective obligations under this Agreement without prejudice to a final adjustment in accordance with such arbitration award

10. Governing and Jurisdiction:

This Agreement is subjected to the Jurisdiction of Courts at Hyderabad.

The parties shall agree that it will not make use of, disseminate, or in any way disclose any confidential information to any person, firm or business. Furthermore, the existence of any discussions, negotiations or agreements in progress between the parties shall not be released to any form of public media without written approval of both parties.

11. Amendments


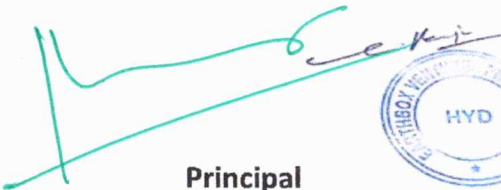
This Agreement and the Schedules together constitute a complete and exclusive understanding of the terms of the Agreement between the Parties on the subject hereof and no amendment or modification hereto shall be valid and effective unless agreed to by all the Parties hereto and evidenced in writing.

12. NOTICE /Termination

Any notice required to be given hereunder shall be given in writing at the address of each party set forth as below in this agreement or to such other address either party may substitute by written notice to the other. Either party may terminate this Agreement by giving 30 days written notice to the other party.

In witness whereof the parties hereto have signed this agreement on the day, month and year mentioned hereinbefore.

For Avanthi Institute of Pharmaceutical Sciences forEarthbox



Principal

**Avanthi Institute of Pharmaceutical Sciences
Managing Director**

CH. Raju

Witness:



1. Dr. Nihar Ranjan Das (Vice Principal)



2. Dr. M. Ramakrishna (Professor)

E Waste Quotation :

We would like to pick the dry recyclables from your organization and below is the list of items we that pick:

Sl.no	Description	Price (Rs/piece)
1.	E-waste:	
	CRT Monitors	40.00
	LCD/LED Monitors (working condition)	280.00
	LCD/LED Monitors (Non-working condition)	70.00
	CPU (working condition)	300.00
	CPU (non-working condition)	140.00
	Keyboard	4.00
	Mouse	1.00
	Dot Matrix Printer	70.00
	Laser Jet/ Desktop Printer	150.00
	Core/Dual core Laptop (non-working condition)	450.00
	i Processor Laptop (non-working condition)	600.00
	Core/Dual core Laptop (working condition)	1000.00
	i Processor Laptop (working condition)	1700.00
	UPS	80.00
	Cables (per KG)	15.00
	SMPS	15.00
	Head Phones	5.00

Looking forward for a green collaboration with your esteemed organization in Solid Waste management.