

## **Waste tracking**

### **Food wastage:**

Reducing food wastage is an important goal of ensuring food security. Food security cannot be achieved only through increasing agricultural productivity. Attention also needs to be given to measures to reduce wastage. Food wastage comprises both food loss and waste.

GMRIT Food and Beverage Department has the goal of reducing food waste and ensuring food security. Students are involved in the Food Committee and given opportunity to take part in the meetings for effective functioning of catering services on monthly basis. The food committee meets once in a month for which the notification is given at least 3 days before the actual date of meeting. The quality of food served, weekly menu, food wastage quantity on daily basis, feedback from the students is part of the agenda of Food Committee meetings. Based on the points discussed in the meeting, minutes will be prepared and shared to all the FC members. The action taken report for actionable points are reviewed based on students' satisfaction survey.

The food waste is divided into categories and the same is precisely documented in real time. Waste is weighed, photographed and recorded. The daily wastage quantity is clearly displayed in the mess display board to create awareness among the students on food wastages and need for reducing the wastage of food. Students are alerted when too much of an item is being wasted, which in turn helps the college figure out what students eat and how much of which item to buy. It helps create a sense of community between campus dining services and students, showing that the true heart of sustainability is collaboration. The food waste is used as an animal feed. The following table shows the food waste from messes for the year 2023.

WET & DRY GARBAGE REPORT FROM Jan - 2022 - Dec - 2022								
WET GARBAGE WASTAGE - Lit					DRY WASTAGE - Kg			
MONTH	BOYS HOSTEL	GIRLS HOSTEL	DAY CANTEEN	TOTAL KGS	BOYS HOSTEL	GIRLS HOSTEL	DAY CANTEEN	TOTAL
Jan	30	10	10	50	20	20	10	50
Feb	220	50	30	300	180	20	15	215
March	260	60	30	350	150	45	15	210
April	230	60	40	330	120	45	15	180
May	180	10	10	200	100	50	10	160
June	50	10	20	80	50	15	15	80
July	900	100	250	1250	80	70	30	180
Aug	850	650	200	1700	120	80	20	220
Sept	450	300	350	1100	180	80	60	320
Oct	650	450	250	1350	180	60	40	280
Nov	50	10	20	80	50	15	15	80
Dec	30	10	10	50	20	20	10	50
TOTAL	3900	1720	1220	6840	1250	520	255	2025
AVG.PER MONTH	325	143	102	570	104	43	21	169
AVG PER DAY	10.80	4.76	3.4	19	3.40	1.40	0.70	5.6

Data Collected	Quantity
Total food waste	8605 Kg per year (24 Kg per day)
Number of campus population	4300
Food waste per person	0.0055 Kg per person per day



**Food Committee Meeting for Girls Hostel**



**Food Committee Meeting for Boys Hostel**

A-DIET EXPRESS

**TAKE ALL YOU CAN EAT,  
BUT EAT ALL YOU TAKE**

**YESTERDAY'S** 07-11-2022

**WASTAGE WAS** 24 **KGS**

**WHICH COULD'VE  
FED** 48 **PEOPLE**

GPS Map Camera



**Razam, Andhra Pradesh, India**

FM97+2C, Razam, Andhra Pradesh 532127,  
India

Lat 18.46745°

Long 83.663544°

08/11/22 02:36 PM GMT +05:30

Daily food waste data



What we love...

Currently we waste around 80 Kgs  
of Food on an average on a daily  
basis in our Mess.

Wasting food means wasting the  
resources used to produce it.....

Today we will take one step ahead  
and not waste any food.  
we take what we can eat.....

No To Wastage...  
Pleeease...

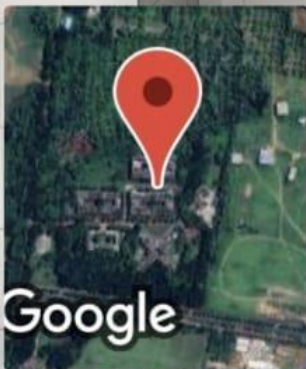


@ BOYS Dining Hall  
on Lunch/Dinner

Why to waste,



GPS Map Camera



Google

Razam, Andhra Pradesh, India

FM97+2C, Razam, Andhra Pradesh 532127,

India

Lat 18.46748°

Long 83.663733°

08/11/22 02:37 PM GMT +05:30

Awareness posters on food wastage displayed in the dining hall

## Solid Waste Tracking

Waste is collected from source sites on a regular basis and sent to an e-waste storage facility. On campus, about 38-tonnes of e-waste are generated each year. Laptops, desktops, servers, projectors, biometric devices, condemned electronic equipment, printers, scanners, and cartridges are among the most common types of electronic trash. The discarded e-waste in the campus is initially sent to the Material Recovery Facility (MRF) and stored and then sent to specialist e-waste recyclers M/s Ramky – E-Waste Recycling Facility (Ramky Environmental Engineers Ltd., Sy No. 25 Hardware Park, Maheshwaram (M), Rangareddy. Disposable Items Different label bins gather organic and green garbage, recyclable general waste, and sanitary waste. Composting is done with segregated food waste, vegetable peels, and other kitchen trash gathered from campus canteens and food outlets. Garden trash and dry leaves are composted in the same way. Waste that can be recycled is collected and sold to merchants for the purpose of recycling. On alternate days, sanitary trash is sent to a certified agency for incineration. Our objective of reducing the quantity of garbage entering the waste stream is supported by the institute's waste management and recycling strategy

**Table: List of Scrap materials with quantity**

Material Description	UOM	QTY	PRICE	VALUE	DATE	location
Attalu (Carton Box)	Kg	267	16	4272	21.02.2022	GMRIT
BB Attalu	Kg	555	5	2775	21.02.2022	GMRIT
OLD Iron	Kg	530	40	21200	21.02.2022	GMRIT
Plastic	Kg	171	27	4617	21.02.2022	GMRIT
Waste Plastic	Kg	45	6	270	21.02.2022	GMRIT
Books	Kg	320	30	9600	25.02.2022	GMRIT
Mixing Books	Kg	1270	27	34290	25.02.2022	GMRIT
Attalu (Carton Box)	Kg	135	16	2160	25.02.2022	GMRIT
BB Attalu	Kg	594	5	2970	25.02.2022	GMRIT
OLD Iron	Kg	116	40	4640	25.02.2022	GMRIT
Plastic	Kg	35	27	945	25.02.2022	GMRIT
SS Steel	Kg	1	67	67	25.02.2022	GMRIT
IRON	KG	742	41	30422	03.07.2022	GMRIT
Plastic	KG	11	26	286	03.07.2022	GMRIT
Books	KG	155	22.5	3487.5	03.07.2022	GMRIT
IRON	KG	524	41	21484	04.07.2022	GMRIT
Aluminium	KG	32	160	5120	04.07.2022	GMRIT
IRON	KG	590	41	24190	05.07.2022	GMRIT
Tyres	KG	61	13	793	05.07.2022	GMRIT
Waste Plastic	KG	16	10	160	05.07.2022	GMRIT
Plastic	KG	1	26	26	05.07.2022	GMRIT
IRON	KG	216	41	8856	05.07.2022	GMRIT
Books	KG	67	22.5	1507.5	05.07.2022	GMRIT

Attalu	KG	102	15	1530	05.07.2022	GMRIT
Aluminium	KG	0.5	160	80	05.07.2022	GMRIT
IRON	KG	45	41	1845	06.07.2022	GMRIT
Plastic	KG	139	26	3614	06.07.2022	GMRIT
Brass	KG	12	445	5340	06.07.2022	GMRIT
Stain less steel	KG	6	65	390	06.07.2022	GMRIT
BOOKS	KG	595	22.5	13387.5	07.07.2022	GMRIT
Attalu	KG	247	15	3705	07.07.2022	GMRIT
Cartoon boxes & Recatds	KG	115	12	1380	07.07.2022	GMRIT
IRON	KG	369	41	15129	11.07.2022	GMRIT
Plastic	KG	7	26	182	11.07.2022	GMRIT
IRON	KG	45.5	41	1865.5	25.07.2022	GMRIT
Plastic	KG	55	26	1430	25.07.2022	GMRIT
Books	KG	603.5	22.5	13578.75	25.07.2022	GMRIT
E-Waste scrap	KG	1140	48	54720	18.08.2022	GMRIT
Old Paper scrap	KG	26850	17	456450	15.09.2022	GMRIT
Old Paper scrap	KG	1033	17	17561	16.09.2022	GMRIT

**Total Waste generated: 37818.5 kg**

**Sample Bill attached:**

To  
CFO,  
GMRVF,  
Rajam.

Dt, 18.08.2023

Sub: Sale of E - Waste Material - Reg

Dear Sir,

Please raise the invoice & collect cash for Rs 54720/- Fifty-four Thousand seven hundred twenty rupees only. M/S Green Waves Environmental Solutions, Vizag. Towards sale of E - Waste Material, inclusive of taxes & approval dated: 13.06.2023, as per finalized Note Approval statement here attached, vide our NON -- Returnable Gate Pass Number: 2076 Dt: 18.08.2023.

Details given below:

SLNO	Description	UOM	QTY	Price	Value
1	E - Waste	Kg	1140	48	54720
Total value of RS.					54720/-

In words: (Fifty-four Thousand seven hundred twenty rupees only.)

With regards,

P. TEJ

Asst Manager Stores

Atcdeph  
Amount Received from 183610100006676 Al  
for Rs. 54,720/- /18/08/2023  
Jing 18/08/2023

31014957  
3106257  
2

18/08/2023

QmT

# ARALAKSHMI FOUNDATION, RAJAM.

NON RETURNABLE MATERIAL GATE PASS S No 2078

From Dept./UNIT

Store

AP 39 US 9181

Date: 10/01/23

Security Control No

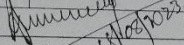
Please pass out the following material issued to:

M/s Green House Environmental Solutions

of vizag

For Outside Job/Purpose Sale of E-waste material

Item No.	Quantity		DESCRIPTION	Value of the Material
	Figures	Words		
1	1140 kg		E-waste material	Rs. 54720/-
			Total value of Rs.	54720/-
			(Fifty four thousand seven hundred twenty Rupees only)	

Recommended by: 

Security Officer use

HOD Signature: 

Checked by:

Time out \_\_\_\_\_ Date \_\_\_\_\_

Security / Stamp

Authorised Signature

Designation Director Education

Name in Block Letters Dr. J. Rajan

Signature of the Secretary Officer

Signature of the Receiver

Strick out which is not Applicable

E-WASTE MANIFEST

Sender's name and mailing address (including phone No.):		
Sender's authorisation No. if applicable:		
3.	Manifest Document No.:	690
4.	Transporter's name and address: (including Phone No.)	Green waves Environmental Solutions, Near photo studio, MINDI(V), B+Pv(P.O), Gatwaka, Vilakshapathan (D#), Ap-530012.
5.	Type of vehicle	(Truck or Tanker or Special Vehicle)
6.	Transporter's registration No:	
7.	Vehicle registration No:	AP 39 UB 9181
8.	Receiver's name & address:	Green waves Environmental Solutions, Near photo studio, MINDI(V), B+Pv(P.O), Gatwaka, Vilakshapathan (D#), Ap-530012.
9.	Receivers authorisation No. if applicable:	2/AUG/APPCB/G-waste/2023.
10.	Description of E-Waste (Item, Weight/numbers):	E-waste - 1140 lops
11.	Name and Stamp of Sender* (Manufacturer or Producer or Bulk Consumer or Collection Centre or Refurbisher or Dismantler) Signature: Month Day Year 08 18 2023 18-08-2023	
12.	Transporter acknowledgement of receipt Signature: Month Day Year 08 18 2023 18-08-2023	
13.	Receiver (Collection Centre or Refurbisher or Dismantler or Recycler) Signature: Month Day Year 08 18 2023 18-08-2023	

Note:

Copy number with color 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 by 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

List of Scrape Items 2023			
S.No	Name Of Item	UOM	Qty
1	Manageable Switches	NO	8
2	AP	NO	15
3	24 PORT Switches	NO	12
4	8 PORT Switches	NO	7
5	POE	NO	4
6	Receipt Printer	NO	1
7	UPS	NO	22
8	UPS Battery	NO	38
9	Biometric Devices	NO	7
10	Mother Board	NO	11
11	Cameras	NO	18
12	Monitor	NO	4
13	CPU	NO	51
14	Scanners	NO	2
15	Laser Printers	NO	5
16	Dot Matrix Printers	NO	1
17	TV	NO	4
18	Door Lock Device	NO	1
19	Catridges	NO	6
20	GPS Devices	NO	2
21	SMPS	NO	24
22	CD Drives	NO	2
23	Floppy Drives	NO	2
24	5 & 12 Volts Adaptors	NO	9
25	Laptop Batteries	NO	3
26	Hard Disks	NO	35
27	Adaptors	NO	10
28	Mouse	NO	41
29	Keyboards	NO	59
30	Delta R5 Server	NO	2
31	Monitors	NO	43
32	Printers	NO	3

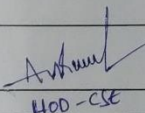
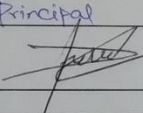
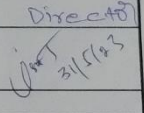
*[Signature]*  
18/8/23

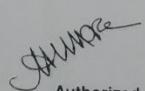
*[Signature]*  
18/8/23

*[Signature]*  
18/8/23  
12:50

*[Signature]*

*[Signature]*

GMR VARALAKSHMI FOUNDATION SCRAP MATERIAL, DEPOSIT/ WITHDRAW FORM		
USER DEPT: CSE	DATE: 29/05/2023	
SAP NO:	UOM:	
Quantity for:	Original Value (INR):	Present Value (INR):
Description: Old system (damaged) not functioning, damaged chairs & wooden table (2008 purchased)		
Justification: Damaged & out dated.		
Recommendation: To Be Sold: <input checked="" type="checkbox"/>	To Be Retained: <input type="checkbox"/>	
Stores In Charge:	CFO - F&A:	
Name:	Name: Srinivas chandrababu	
Date:	Date:	
Prepared By	Approved By	
Name: M. Radhika Lakshmi	Name: Dr. CLV RSV Prasad Dr. Girish J	
Title: Scrap	Title: Principal Director	
Signature: 	Signature:  	
Date:	Date:	

GMR Varalakshmi Foundation										Original for Recipient	
<p>Reg: Office: GMR Nagar, Rajam, Srikakulam District (A.P.)-532127, ANDHRA PRADESH, INDIA CIN Number : U80301AP2003NPL042195</p> <p>Tax Invoice</p>											
<p>Customer No.: 410006568 Name of Customer: Green Waves Environmental Solutions Gajuwaka, Vishakhapatnam-530012 ANDHRA PRADESH GSTIN/ UIN: 37AZPPP8545H1ZL State Code: 37 PAN: AAPFG5444F</p>						<p>Name of Company: GMR Varalakshmi Foundation SURVEY NO. 01-1,2,3,4,5,6 PALAKONDA ROAD GMR NAGAR RAJAM-532127 ANDHRA PRADESH INDIA Invoice No.: DR3723014931 Invoice Date: 18.08.2023 Reference No.: 31014957 Due Date: 18.08.2023 PAN No.: AACCG6476B GSTIN: 37AACCG6476B1ZN State Code: 37 Place of supply: ANDHRA PRADESH</p>					
S.No.	Description of Goods/Services	HSN of Goods/ SAC of services	Taxable Value (in INR)	CGST		SGST		IGST		TCS (INR)	Total Amount (in INR)
				Rate (%)	Amount (INR)	Rate (%)	Amount (INR)	Rate (%)	Amount (INR)		
1	SALE OF E WASTE MATERIALS 1140 QTY @ 48/- PER KG	NA	46,372.88	9.00	4,173.56	9.00	4,173.56	0.00	0.00	0.00	54,720.00
<b>Grand Total</b>			<b>46,372.88</b>		<b>4,173.56</b>		<b>4,173.56</b>		<b>0.00</b>	<b>0.00</b>	<b>54,720.00</b>
Total Invoice value (in words): Rupees fifty four thousand seven hundred twenty only											
Note: Unless otherwise stated, tax on this invoice is not payable under reverse charge											
For GMR Varalakshmi Foundation											
 Authorized Signatory											