Waste Tracking: Waste Generated and Recycled across the University

1. Purpose

SRM University-AP tracks the waste generated across its campus and the share of it that is recycled. In 2025 the University generated **58 metric tonnes** of waste, of which **48 metric tonnes** were recycled, a recycling rate of about **83%**. This report sets out those figures and the systems that make them possible: segregation at source, separate handling of each waste stream, plastic-free campus rules, and on-campus conversion of organic waste into biogas and organic manure.

2. Waste Generated and Recycled, 2025

Measure	Quantity (metric tons)
Total waste generated across the University	58
Waste recycled	48
Recycling rate	82.8%

Of every 100 kg of waste generated on the campus in 2025, about 83 kg was recycled or reused, through sale to third-party recyclers, conversion into compost and conversion into biogas. Only about 17% of the waste generated was not recycled.

3. Waste Streams and How They Are Handled

Waste generated on the campus falls into two groups. Biodegradable waste consists of food waste, vegetable waste, fruit peels, garden waste, dead plants and leaves, and paper. Non-biodegradable waste consists of plastic, aluminium cans, metals, construction waste, e-waste and used oil. Each stream has its own route, summarised below.

Waste type	Treatment
Food and vegetable waste	Converted to biogas and vermicompost on campus; collected food waste is also given to nearby farms
Garden waste and plant leaves	Collected daily and composted on campus with food waste
Paper waste	Collected and stored separately; sold to third parties for recycling
Plastics	Plastic carry bags are banned on the campus; chemical and salt storage containers are passed to third parties
Construction waste	Mostly reused in the University's own construction and for internal land filling
Metals	Construction metals and metals from other sources are stored and sold to third parties for recycling
Transport oil and tyres	Stored separately and sold to third parties
DG engine oil and coolant	Stored separately and sold for construction use only
Vehicle and computer batteries	New batteries are procured under buy-back offers, with old batteries returned

Waste type	Treatment
Used edible oil	Almost zero waste; mostly used for internal cooking and frying
E-waste	Sold to third parties for recycling

Plastic containers and used oil tins are stored in dedicated areas of the campus until they are collected by third parties.



Figure 1. Plastic containers stored in a dedicated area.



Figure 2. Old oil tins stored in a dedicated area.

4. Segregation at Source and Awareness

Waste is segregated where it is generated. Paired dry-waste and wet-waste bins with clear pictorial labels stand outside academic buildings, along walkways and in common areas, so that recyclable dry waste and compostable wet waste are separated from the start and reach the right processing route.



Figure 3. Dry-waste and wet-waste bins on the campus.

A dedicated e-waste collection bin is also provided, so that discarded electronic and electrical items are kept out of the general waste stream.



Figure 4. E-waste collection bin on the campus.



Figure 5. Dry-waste and wet-waste bins outside an academic building.

The same approach is followed in the dining areas. The mess and canteen run on a "clean as you go" principle, and the food and vegetable waste they generate goes to the biogas plant and the vermicompost yard described below. Campus signage reinforces the plastic-free rule, with "Say No to Plastic Bags" boards placed along the main walkways and green spaces, which helps keep plastic out of the waste stream.



Figure 6. Serving area of the campus mess, run on a "clean as you go" principle.



Figure 7. "Say No to Plastic Bags" signage along a campus walkway.

5. Converting Waste to Resource: Biogas and Vermicompost

Biogas plant. Food and vegetable waste generated daily in the mess and canteen is processed in an on-campus biogas plant through anaerobic digestion, in which micro-organisms break down organic matter to produce methane-rich gas. The waste is crushed in a mixer grinder and made into a slurry by adding water. The plant, about 6 m^3 in size, processes around 100 kg of waste a day mixed with 100 litres of water (a 1:1 ratio) and yields nearly 6 to 8 m^3 of gas a day. The gas is used to cook food in the Annapurani Mess, which replaces conventional cooking fuel with energy made from the University's own waste.

Plant size	Waste quantity	Waste and water mixing	Output gas quantity
6 m^3	100 kg/day	100 kg mixed with 100 litres of water (1:1 ratio)	Nearly 6–8 m^3/day



Figure 8. Biogas plant on the campus.



Figure 9. Biogas plant: feed hopper, digester and control panel.

Food waste from the serving areas is collected in crates and taken to the plant and the vermicompost yard.



Figure 10. Food waste being collected in crates in the mess serving area.



Figure 11. Crate of food waste ready to be taken for processing.



Figure 12. Food waste collection point.

Vermicompost (waste to wealth). Food waste from the messes and staff quarters is collected and mixed with the dead leaves gathered on the campus in a set ratio. The mixture is fed into a dedicated machine in which sand and saw dust are mixed in, and is then kept in crates to decompose for a set period. Once it has turned a thick black, the material is packed in small bags in suitable quantities and given to the gardening staff as organic manure for the campus landscape. Because the waste decomposes naturally, the manure does not harm the soil.



Figure 13. Vermicompost preparation: saw dust mixed with sand.



Figure 14. Vermicompost preparation: food-waste mixture.



Figure 15. Vermicompost preparation: material held for decomposition.



Figure 16. Crates of material at different stages of decomposition.

6. Standards Followed

Waste handling on the campus follows the national rules for each stream: the Solid Waste Management Rules, 2016; the E-Waste Management Rules, 2016; the Hazardous Waste Management Rules, 2016 (management and transboundary movement); and the Batteries (Management and Handling) Rules, 2001.

7. Conclusion

In 2025 SRM University-AP generated 58 metric tonnes of waste and recycled 48 metric tonnes of it, a recycling rate of about 83%. Segregation at source, separate routes for paper, metal, e-waste, oil and batteries, a plastic-free campus and on-campus biogas and vermicompost plants allow most of the waste generated to be recycled or reused rather than disposed of. The University will continue to track the quantities of waste generated and recycled each year.

Date: 10.02.2025

File Note

Sub: Requesting payment for disposal of Bio-Medical Waste – January 2025

Dear Sir,

This is intimate that the amount of Rs.3360.00 is to be paid to M/S SAFENVIRON Pvt Ltd as per the agreement made on 3rd May 2023 Dt: towards the disposal of Biomedical Waste Service Charges for the month January 2025

Kindly request your approval for the payment process

Prepared by

SRM UNIVERSITY-AP
Finance & Accounts Dept.
Bills Received on
Date: 11 FEB 2025
Time: 2:46 PM
Name:
Signature:

Approved By
Director of Campus Life Maintenance

SAFENVIRON PVT LTD

29-3-14, Venkateswara Rao Street
Governorpet, Vijayawada
GSTIN/UIN: 37AAVCS3750K1ZM
State Name : Andhra Pradesh, Code : 37
E-Mail : safenvironpl@gmail.com; safenviron@yahoo.com

Tax Invoice

No. : GD/24-25/13089
Date. : **1-2-2025**

Bill to

GD-GDAMV-25-SRM University AP,GNT
Neeru Konda Ckm Office.
State Name : Andhra Pradesh
GSTIN :

DESCRIPTION	Month	No. of Days	AMOUNT
Biomedical Waste Management Service Charges	Jan 2025	31	3,000.00
GST @12% (HSN CODE-999432)			
CGST			**180.00**
SGST			**180.00**
Rupees : INR Three Thousand Three Hundred Sixty Only		**TOTAL**	**₹ 3,360.00**

IRN :
Ack No. :
Ack Date :

E. & O.E

for SAFENVIRON PVT LTD

Date: 17.11.2025

File Note

Sub: Requesting payment for disposal of Bio-Medical Waste- October -2025

Dear Sir,

This is intimate that the amount of Rs.3150.00 to be paid to M/S SAFENVIRON Pvt Ltd as per the agreement made on 3rd May 2023 Dt: towards the disposal of Biomedical Waste Service Charges for the month October 2025

Kindly request your approval for the payment process

17-01-25

Approved By
Director of Campus Life Maintenance

Resident Doctor Signature

SRM UNIVERSITY-AP
Finance & Accounts Dept.
Bills Received on
Date: 17 NOV 2025
Time: 11.50 AM
Name:
Signature:

SAFENVIRON PVT LTD - (25-26)

29-3-14, Venkateswara Rao Street
Governorpet, Vijayawada
GSTIN/UIN: 37AAVCS3750K1ZM
State Name : Andhra Pradesh, Code : 37
E-Mail : safenvironpl@gmail.com; safenviron@yahoo.com

Tax Invoice

No. : GD/25-26/10822
Date. : 1-11-2025

Bill to
GD-GDAMV-25-SRM University AP,GNT
Neeru Konda Ckm Office.
State Name : Andhra Pradesh
GSTIN :

DESCRIPTION	Month	No. of Days	AMOUNT
Biomedical Waste Management Service Charges	OCT 2025	31	3,000.00
GST @5%(HSN CODE-999432)			
CGST			75.00
SGST			75.00
Rupees : INR Three Thousand One Hundred Fifty Only		**TOTAL**	**₹.3,150.00**

E. & O.E

IRN :
Ack No. :
Ack Date :

for SAFENVIRON PVT LTD - (25-26)

Sustainability

Report Number: CWMP2/CA/25-26/053

Date: 04.08.2025

M/s. SRM University,
Neerukonda, Mangalagiri(MD), Amaravati,
Guntur (Dist), A.P -522240.

We are here with enclosing the comprehensive analysis report of solid waste sample- **Chemical Solid Waste** Received on Date: 28.07.2025. The disposal method for the above sample is **INCINERATION**. This is for your information.

This disposal method is purely based on the characteristics of the sample sent to us. When the waste will be sent to us it will be analysed again and if the characteristics change, disposal method & cost may vary accordingly.

Please send your suggestions/feedback for improving laboratory services by filling customer feedback form attached herewith.

Please stay connected for further service in the future. Our complete Co-Operation and best service assured always.

Yours faithfully

For Coastal Waste Management Project Unit-II-Laboratory
(A Division of Mumbai Waste Management Ltd.)

P. Chandramouli
Authorized Signatory

Coastal Waste Management Project Unit-II Laboratory
(A Division of Mumbai Waste Management Ltd.)
Site Address:
Govt. veterinary Polytechnic College Opposite Road,
Ravinguntapalli Village, Rapur Mandal,
SPSR Nellore Dist. – 524 408, Andhra Pradesh, India

Mumbai Waste Management Limited
Registered Office:
Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City,
Hitech City Road, Hyderabad-500 081. India.
CIN No.: U90001TG2001PLC037829

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
NABL Accredited Laboratory
T: +91 91542 52963
E-mail: cwmp.nellore@resustainability.com

resustainability.com

TC- 14024

Sustainability

ISSUED TO

M/s. SRM University.,
Neerukonda, Mangalagiri(MD), Amaravati,
Guntur (Dist), A.P -522240.

Report Number : CWMP2/CA/25-26/053
Issue Date : 04.08.2025

CHEMICAL
POLLUTION & ENVIRONMENT
SOLID WASTE

ULR – TC140242500000271F

Sample Registration Number: CWMP2/CA/25-26/053					
Date of Registration	:	28.07.2025	Sample Received on	:	28.07.2025
Analysis Starting Date	:	28.07.2025	Analysis Completion Date	:	04.08.2025
Date of Report	:	04.08.2025	Report Validity	:	03.08.2027
Sample Description	:	**Chemical Solid Waste**			
Test Required	:	Comprehensive Analysis			
Sample Condition	:	Received in P.P. Cover			
Sampling Procedure	:	Not Applicable			
Sample Drawn By	:	Client			

TEST REPORT

Particulars	Observations
Physical State	Solid
Colour	White
Texture	Powder
Is there any violent chemical change (in air) (Normally unstable) (Yes/No)	No
Reacts violent with water (Yes/No)	No
Generating of toxic fumes with water/acid/basic (Yes /No)	No
Forms potentially explosive mixture with water (Yes/No)	No
Explosion when subjected to a strong initiating force (Yes/No)	No
Explosion at normal temperature & pressure (Yes/No)	No

Sl. No.	Parameters	UOM	Methods	Results	Std. for Landfill Disposals
1	Paint Filter Liquid Test	-	CWMP2/LAB/SOP/249	Pass	Pass
2	Bulk Density	gm/cc	ASTM D 5057-17	0.84	---
3	pH @25°C	-	CWMP2/LAB/SOP/239	6.79	4 to 12
4	Flash Point	°C	CWMP2/LAB/SOP/244	115.4	60°C
5	Loss on Drying at 105°C	%	CWMP2/LAB/SOP/240	1.83	---
6	Loss on Ignition at 550°C	%	CWMP2/LAB/SOP/241	65.76	<20%Non-Biodegradable <5%:Biodegradable
7	Calorific Value	Cal/gm	CWMP2/LAB/SOP/243	6200	< 2500
8	Extractable Organics	%	CWMP2/LAB/SOP/256	<0.75	<4.0 % w/W
9	Water Soluble Inorganics	%	CWMP2/LAB/SOP/247	<0.90	< 20% w/W
10	Water Soluble Organics	%	CWMP2/LAB/SOP/247	<0.97	< 10%
11	Reactive Cyanide	mg/kg	CWMP2/LAB/SOP/253	<0.90	250
12	Reactive Sulfide	mg/kg	CWMP2/LAB/SOP/254	<5.35	500
13	Ammonical Nitrogen as NH_3	mg/l	CWMP2/LAB/SOP/250	<0.97	<1000.0

Report Number: CWMP2/CA/25-26/053

CHEMICAL
POLLUTION & ENVIRONMENT
SOLID WASTE

ULR – TC140242500000271F

Sl. No.	Parameters	UOM	Methods	Results	Std. for Landfill Disposals
Total Metals					
14	Zinc as Zn	mg/kg	CWMP2/LAB/SOP/257	17.76	---
15	Copper as Cu	mg/kg	CWMP2/LAB/SOP/257	23.03	---
16	Arsenic as As	mg/kg	CWMP2/LAB/SOP/257	<1.0	---
17	Cadmium as Cd	mg/kg	CWMP2/LAB/SOP/257	<8.25	---
18	Total Chromium as Cr	mg/kg	CWMP2/LAB/SOP/257	30.30	---
19	Lead as Pb	mg/kg	CWMP2/LAB/SOP/257	<10.30	---
20	Nickel as Ni	mg/kg	CWMP2/LAB/SOP/257	47.09	---
21	Hexavalent Chromium as Cr^{6+} (Total)	mg/kg	CWMP2/LAB/SOP/291	<4.45	---
Toxicity Characteristic Leaching Procedure (TCLP) Analysis					
22	Zinc as Zn	mg/l	CWMP2/LAB/SOP/258	0.65	<250.0
23	Copper as Cu	mg/l	CWMP2/LAB/SOP/258	<0.95	<25.0
24	Cadmium as Cd	mg/l	CWMP2/LAB/SOP/258	<0.20	<1.0
25	Chromium as Cr	mg/l	CWMP2/LAB/SOP/258	0.25	<5.0
26	Lead as Pb	mg/l	CWMP2/LAB/SOP/258	<0.26	<5.0
27	Nickel as Ni	mg/l	CWMP2/LAB/SOP/258	1.75	<20.0
Water Leaching Test (WLT) Analysis					
28	Zinc as Zn	mg/l	CWMP2/LAB/SOP/286	0.25	<10
29	Copper as Cu	mg/l	CWMP2/LAB/SOP/286	<0.95	<10
30	Arsenic as As	mg/l	CWMP2/LAB/SOP/286	<0.005	<1.0
31	Cadmium as Cd	mg/l	CWMP2/LAB/SOP/286	<0.20	<0.2
32	Chromium as Cr	mg/l	CWMP2/LAB/SOP/286	<0.22	<5.0
33	Hexavalent Chromium as Cr^{6+}	mg/l	CWMP2/LAB/SOP/290	<0.15	<0.5
34	Lead as Pb	mg/l	CWMP2/LAB/SOP/286	<0.26	<2.0
35	Nickel as Ni	mg/l	CWMP2/LAB/SOP/286	<0.63	<3.0

Remarks:

- Results related only to the Sample Tested
- Instrument Used for Analysis AAS and UV Visible Spectrophotometer
- NR: No Relaxation.
- $-No Limits

***** END OF THE TEST REPORT *****

Name and Designation of Authorized Signatory

P CHENCHU MURALI
Technical Manager

Sustainability

ISSUED TO

M/s. SRM University.,
Neerukonda, Mangalagiri(MD), Amaravati,
Guntur (Dist), A.P -522240.

Report Number : CWMP2/CA/25-26/053
Issue Date : 04.08.2025

CHEMICAL
POLLUTION & ENVIRONMENT
SOLID WASTE

Sample Registration Number: **CWMP2/CA/25-26/053**					
Date of Registration	:	28.07.2025	Sample Received on	:	28.07.2025
Analysis Starting Date	:	28.07.2025	Analysis Completion Date	:	04.08.2025
Date of Report	:	04.08.2025	Report Validity	:	03.08.2027
Sample Description	:	**Chemical Solid Waste**			
Test Required	:	Comprehensive Analysis			
Sample Condition	:	Received in P.P. Cover			
Sampling Procedure	:	Not Applicable			
Sample Drawn By	:	Client			

TEST REPORT

Sl. No.	Parameters	UOM	Methods	Results	Std. for Landfill Disposals
1	Mercury as Hg (Total)	mg/kg	USEPA 1998,SW846; 7471 A	<1.0	---
2	Mercury as Hg (TCLP)	mg/l	USEPA 1998,SW846; 7470 A	<0.01	<0.2
3	Mercury as Hg (WLT)	mg/l	USEPA 1998,SW846; 7470 A	<0.01	<0.2
Water Leaching Test (WLT) Analysis					
4	Total Phenols	mg/l	CWMP2/LAB/SOP/251	<0.2	<100.0
5	Cyanide	mg/l	CWMP2/LAB/SOP/253	Absent	<2.0
6	Fluoride as F^-	mg/l	CWMP2/LAB/SOP/248	<0.2	<50.0
7	Nitrate Nitrogen as N	mg/l	CWMP2/LAB/SOP/233	<5.0	<30.0
Toxicity Characteristics Leaching Procedure (TCLP) Analysis					
8	Chloroform	mg/l	USEPA 1998,SW846; 8260 B	ND	6.0
9	Carbon tetra chloride	mg/l	USEPA 1998,SW846; 8260 B	ND	0.5
10	Benzene	mg/l	USEPA 1998,SW846; 8260 B	ND	0.5
11	Chloro Benzene	mg/l	USEPA 1998,SW846; 8260 B	ND	100
12	Cresols	mg/l	USEPA 1998,SW846; 8260 B	ND	213
13	1,4 - Dichloro Benzene	mg/l	USEPA 1998,SW846; 8260 B	ND	7.5
14	1,2 – Dichloro Ethane	mg/l	USEPA 1998, SW846; 8260 B	ND	0.5
15	Pyridine	mg/l	USEPA 1998, SW846; 8270 C	ND	5.0
16	Ethyl Methyl Ketone	mg/l	USEPA 1998, SW846; 8260 B	ND	213
17	Nitro Benzene	mg/l	USEPA 1998, SW846; 8270 C	ND	2.0
18	Tetra chloro Ethylene	mg/l	USEPA 1998, SW846; 8260 B	ND	0.7
19	Tri chloro Ethylene	mg/l	USEPA 1998, SW846; 8260 B	ND	0.5
20	1,1 – Dichloroethylene	mg/l	USEPA 1998, SW846; 8260 B	ND	0.7
21	2,4 – Dinitrotoluene	mg/l	USEPA 1998, SW846; 8260 B	ND	0.1
22	Endrin	mg/l	USEPA 1998, SW846; 8270 C	ND	0.02
23	Heptachlor (and its epaoxide)	mg/l	USEPA 1998, SW846; 8270 C	ND	0.008
24	Hexachlorobenzene	mg/l	USEPA 1998, SW846; 8260 B	ND	0.13
25	Hexachlorobutadiene	mg/l	USEPA 1998, SW846; 8260 B	ND	0.5
26	Hexachloroethane	mg/l	USEPA 1998, SW846; 8260 B	ND	3.0
27	Lindane	mg/l	USEPA 1998, SW846; 8270 C	ND	0.4

Report Number : CWMP2/CA/25-26/053

Sl. No.	Parameters	UOM	Methods	Results	Std. for Landfill Disposals
28	Methoxychlor	mg/l	USEPA 1998, SW846; 8270 C	ND	10.0
29	Pentachlorophenol	mg/l	USEPA 1998, SW846; 8270 C	ND	100.0
30	Toxaphene	mg/l	USEPA 1998, SW846; 8270 C	ND	0.5
31	2,4,5 – Tri Chlorophenol	mg/l	USEPA 1998, SW846; 8241	ND	400.0
32	2,4,6 – Trichlorophenol	mg/l	USEPA 1998, SW846; 8241	ND	2.0
33	2,4,5 – TP (Silvex)	mg/l	USEPA 1998, SW846; 8321 A	ND	1.0
34	Vinyl Chloride	mg/l	USEPA 1998, SW846; 8260 B	ND	0.2
35	2,4 - D	mg/l	USEPA 1998, SW846; 8270 C	ND	10.0
36	Chlordane	mg/l	USEPA 1998, SW846; 8270 C	ND	0.03
Organic Parameters					
37	Total Nitrogen as N	%	ASTM D5373	11.4	---
38	Total Carbon as C	%	ASTM D5373	64.3	---
39	Total Hydrogen as H	%	ASTM D5373	21.6	---
40	Total Chloride as Cl	%	ASTM D2361-91	1.27	---
41	Total Sulfur as S	%	ASTM D3177-89	0.99	---

Remarks:

- Results related only to the Sample Tested.
- Instrument Used for Analysis GC-MS/MS, AAS and CHNSO Analyser.
- ND: Not Detectable, NA: Not Applicable.
- Test report shall not be reproduced in full or part without the written approval of the CWMP-2 laboratory.

***** END OF THE TEST REPORT *****

Note: This test report is subject to the terms and conditions mentioned overleaf.

Name and Designation of Authorized Signatory

P. Chenchu Murali

P CHENCHU MURALI
Technical Manager

Sustainability

Report Number: CWMP2/CA/25-26/056

Date: 04.08.2025

M/s. SRM University.,
Neerukonda, Mangalagiri(MD), Amaravati,
Guntur (Dist), A.P -522240.

We are here with enclosing the comprehensive analysis report of solid waste sample- **Biological Liquid Waste** Received on Date: 28.07.2025. The disposal method for the above sample is **INCINERATION**. This is for your information.

This disposal method is purely based on the characteristics of the sample sent to us. When the waste will be sent to us it will be analysed again and if the characteristics change, disposal method & cost may vary accordingly.

Please send your suggestions/feedback for improving laboratory services by filling customer feedback form attached herewith.

Please stay connected for further service in the future. Our complete Co-Operation and best service assured always.

Yours faithfully

For Coastal Waste Management Project Unit-II-Laboratory
(A Division of Mumbai Waste Management Ltd.)

Authorized Signatory

Coastal Waste Management Project Unit-II Laboratory
(A Division of Mumbai Waste Management Ltd.)
Site Address:
Govt. veterinary Polytechnic College Opposite Road,
Ravinguntapalli Village, Rapur Mandal,
SPSR Nellore Dist. – 524 408, Andhra Pradesh, India

Mumbai Waste Management Limited
Registered Office:
Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City,
Hitech City Road, Hyderabad-500 081. India.
CIN No.: U90001TG2001PLC037829

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
NABL Accredited Laboratory
T: +91 91542 52963
E-mail: cwmp.nellore@resustainability.com

resustainability.com

TC- 14024

Sustainability

ISSUED TO

M/s. SRM University.,
Neerukonda, Mangalagiri(MD), Amaravati,
Guntur (Dist), A.P -522240.

Report Number : CWMP2/CA/25-26/056
Issue Date : 04.08.2025

CHEMICAL
POLLUTION & ENVIRONMENT
SOLID WASTE

ULR – TC140242500000274F

Sample Registration Number: CWMP2/CA/25-26/056					
Date of Registration	:	28.07.2025	Sample Received on	:	28.07.2025
Analysis Starting Date	:	28.07.2025	Analysis Completion Date	:	04.08.2025
Date of Report	:	04.08.2025	Report Validity	:	03.08.2027
Sample Description	:	**Biological Liquid Waste**			
Test Required	:	Comprehensive Analysis			
Sample Condition	:	Received in P.P. Bottle			
Sampling Procedure	:	Not Applicable			
Sample Drawn By	:	Client			

TEST REPORT

Particulars	Observations
Physical State	Liquid
Colour	Violet
Texture	Liquid
Is there any violent chemical change (in air) (Normally unstable) (Yes/No)	No
Reacts violent with water (Yes/No)	No
Generating of toxic fumes with water/acid/basic (Yes /No)	No
Forms potentially explosive mixture with water (Yes/No)	No
Explosion when subjected to a strong initiating force (Yes/No)	No
Explosion at normal temperature & pressure (Yes/No)	No

Sl. No.	Parameters	UOM	Methods	Results	Std. for Landfill Disposals
1	Paint Filter Liquid Test	-	CWMP2/LAB/SOP/249	Fail	Pass
2	Specific Gravity	-	ASTM D 5057-17	1.02	---
3	pH @25°C	-	CWMP2/LAB/SOP/239	6.63	4 to 12
4	Flash Point	°C	CWMP2/LAB/SOP/244	76.2	60°C
5	Moisture Content	%	CWMP2/LAB/SOP/242	24.52	---
6	Loss on Ignition at 550°C	%	CWMP2/LAB/SOP/241	69.13	<20%Non-Biodegradable <5%:Biodegradable
7	Calorific Value	Cal/gm	CWMP2/LAB/SOP/243	6087	< 2500
8	Extractable Organics	%	CWMP2/LAB/SOP/256	7.21	<4.0 % w/W
9	Water Soluble Inorganics	%	CWMP2/LAB/SOP/247	<0.97	< 20% w/W
10	Water Soluble Organics	%	CWMP2/LAB/SOP/247	5.77	< 10%
11	Reactive Cyanide	mg/kg	CWMP2/LAB/SOP/253	<0.90	250
12	Reactive Sulfide	mg/kg	CWMP2/LAB/SOP/254	<5.35	500
13	Ammonical Nitrogen as NH_3	mg/l	CWMP2/LAB/SOP/250	<0.97	<1000.0

FORM 10

[See rule 19 (1)]

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1.	Sender's name and mailing address (including Phone No. and e-mail) :	SRM UNIVERSITY AP NEERUKONDA VILLAGE, GUNTUR.
2.	Sender's authorisation No. :	
3.	Manifest Document No. :	
4.	Transporter's name and address: (including Phone No. and e-mail)	COASTAL WASTE MANAGEMENT PROJECT UNIT-2 - RAPUR
5.	Type of vehicle :	(Truck/Tanker/Special Vehicle)
6.	Transporter's registration No. :	
7.	Vehicle registration No. :	
8.	Receiver's name and mailing address (including Phone No. and e-mail) :	COASTAL WASTE MANAGEMENT. PROJECT (U2 RAVI GUNTAPALLI (V) RAPUR (M), SPSR NELLORE
9.	Receiver's authorisation No. :	APPCB/UH-IV/HWM/CFO/CWP-NLR/2018
10.	Waste description :	
11.	Total quantity : No. of Containers :	.....2.8.....m^3 or MT .....0.1.....Nos.
12.	Physical form :	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13.	Special handling instructions and additional information :	
14.	Sender's Certificate Name and stamp: Signature:	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations. Month Day Year
15.	Transporter acknowledgement of receipt of Wastes Name and stamp: Signature:	9100560717 AR Reddy AR Reddy 19/8/25 Month Day Year
16.	Receiver's certification for receipt of hazardous and other waste Name and stamp: Signature:	Month Day Year

S.NO	Item Description	Qty	UOM
1.	Chemical Liquid Waste	1750	KG
2.	Chemical Solid Waste	150	KG
3.	Biological Liquid Waste	250	KG
4.	Biological Solid Waste	50	KG
6.	Transport used oil	630	KG
	Total	2830	KG

SRM UNIVERSITY-AP * Director CLM * Andhra Pradesh, India-522240

19/8/25

66

Manifest system (Movement Document) for hazardous and other waste to be used within the country only.-

(1) The sender of the waste shall prepare seven copies of the manifest in Form 10 comprising of colour code indicated below and all seven copies shall be signed by the sender:

Copy number with colour code	Purpose
(1)	(2)
Copy 1 (White)	To be forwarded by the sender to the State Pollution Control Board after signing all the seven copies.
Copy 2 (Yellow)	To be retained by the sender after taking signature on it from the transporter and the rest of the five signed copies to be carried by the transporter.
Copy 3 (Pink)	To be retained by the receiver (actual user or treatment storage and disposal facility operator) after receiving the waste and the remaining four copies are to be duly signed by the receiver.
Copy 4 (Orange)	To be handed over to the transporter by the receiver after accepting waste.
Copy 5 (Green)	To be sent by the receiver to the State Pollution Control Board.
Copy 6 (Blue)	To be sent by the receiver to the sender.
Copy 7 (Grey)	To be sent by the receiver to the State Pollution Control Board of the sender in case the sender is in another State.

(2) The sender shall forward copy 1 (white) to the State Pollution Control Board, and in case the hazardous or other wastes is likely to be transported through any transit State, the sender shall intimate State Pollution Control Boards of transit States about the movement of the waste.

(3) No transporter shall accept waste from the sender for transport unless it is accompanied by signed copies 3 to 7 of the manifest.

(4) The transporter shall submit copies 3 to 7 of the manifest duly signed with date to the receiver along with the waste consignment.

(5) The receiver after acceptance of the waste shall hand over copy 4 (orange) to the transporter and send copy 5 (green) to his State Pollution Control Board and send copy 6 (blue) to the sender and the copy 3 (pink) shall be retained by the receiver.

(6) The copy 7 (grey) shall only be sent to the State Pollution Control Board of the sender, if the sender is in another State.

SRM UNIVERSITY - AP
Neerukonda, Mangalagiri Mandal,
Guntur District - 522 502
Easte Office / Maintenance Dept.

GATE PASS

From SRM University AP No. 1546

To COASTAL WASTE MANAGEMENT Date 19/08/2025

Sl.No.	Description of Items	Qty.	Remarks
1.	Chemical Liquid waste	1750 kg	
2.	Chemical solid waste	150 kg	
3.	Biological Liquid waste	250 kg	
4.	Biological solid waste	50 kg	
5.	Transport used oil	680 Ltr	
	Total	2830 kg	

Returnable / Non-Returnable

19/8/25

Received by Name A R Reddy

Department Transport AP39AM9054

Mobile Number 9830000102

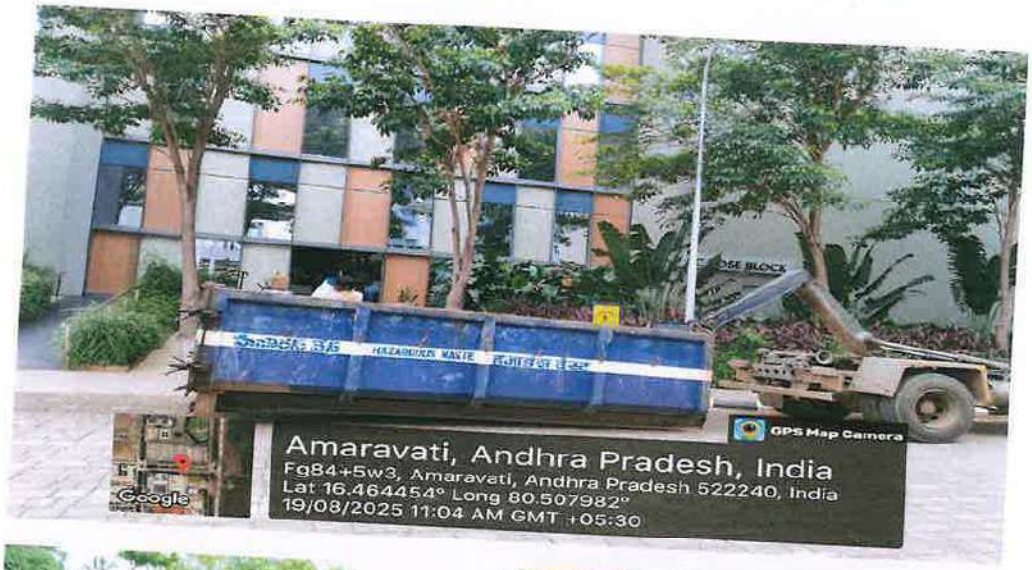
Received Signature

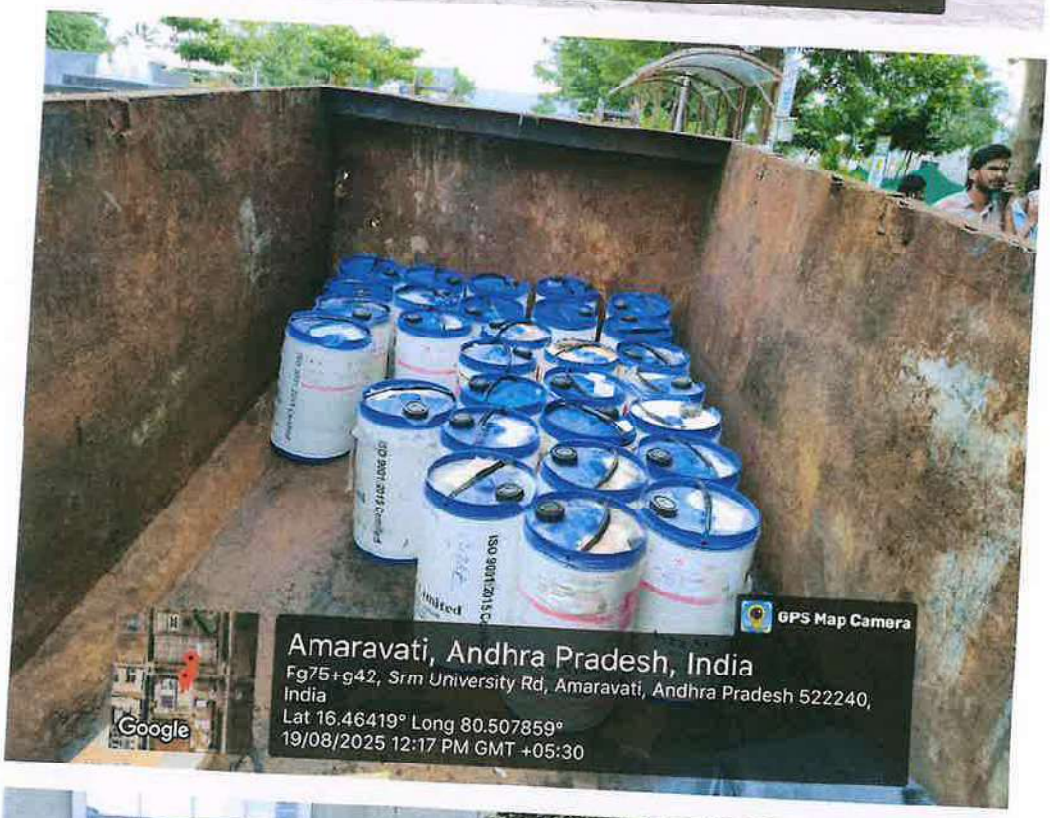
19/8/25

Office Asst. / Manager

Director CLM

HAZARDOUS WASTE DISPOSED on 19th Aug 2025








GPS Map Camera
Amaravati, Andhra Pradesh, India
Fg75+g42, Srm University Rd, Amaravati, Andhra Pradesh 522240, India
Lat 16.463787° Long 80.50802°
19/08/2025 02:52 PM GMT +05:30
Google


GPS Map Camera
Amaravati, Andhra Pradesh, India
Fg75+g42, Srm University Rd, Amaravati, Andhra Pradesh 522240, India
Lat 16.463934° Long 80.507812°
19/08/2025 03:01 PM GMT +05:30
Google


SRM
Freshers' Orientation
GPS Map Camera
Amaravati, Andhra Pradesh, India
Fg75+g42, Srm University Rd, Amaravati, Andhra Pradesh 522240, India
Lat 16.46391° Long 80.507783°
19/08/2025 03:09 PM GMT +05:30
Google

SRM UNIVERSITY AP

Note for Approval

PURCHASE/SRMAP/25-26/109 Date: 18-08-2025

Subject: Request for Approval to Finalize Contract for Disposal of Metal & Non-Metal Scraps from SRM-AP

The CLM department has initiated the process for the disposal of metal and non-metal scraps from the SRM-AP campus. A requisition has been received for this purpose.

In this regard, an inquiry was floated to various vendors, and proposals were obtained accordingly

- M/s. Anand Scrap Shop, Guntur
- M/s. Manikanta Enterprises, Guntur

In this regard, the vendors M/s. Manikanta Enterprises and M/s. Anand Scrap Shop visited the campus, assessed the availability of scraps, and submitted their quotes accordingly.

In commercial discussions, the team has negotiated with the vendor to bring down the prices and this proposal is finalized as below:

Comparison Statement for Scraps (Metals & Non-Metals Materials)					
S. No	Description	Qty	Uom	M/s. Manikanta Enterprises	M/s. Anand Scrap Shop
				Basic Cost (Rs)	Basic Cost (Rs)
1	Iron	1	Kgs	30.00	25.00
2	Plastic Mixing	1	Kgs	23.00	20.00
3	Cotton Box + Papers	1	Kgs	12.00	7.00
4	Plastic	1	Kgs	15.00	15.00
Freight Charge				Nil	Nil
Collecting the Scraps				Within 2 to 3 days against confirmation the Scrap weights	
Payment terms				Immediate Cash	Immediate Cash
Stage				H1	H2

Note: In this regard, the empty drums and cans used for WTP/STP chemical purchases will be returned to the vendor (M/s. Elite Aqua Chem) for reuse. The vendor has agreed to provide Rs. 110/- per drum (50 Kg capacity) and Rs. 70/- per can (30 Kg capacity). If the same items are disposed of to a normal scrap vendor, the amount received would be only around Rs. 40/- per can (based on a weight of 2.5 to 3 kgs per can).

Hence, we request your approval to dispose of the metal scraps to **M/s. Manikanta Enterprises and the chemical drums/Cans to M/s. Elite Aqua Chem.**

18/08/25
Manager Procurement

18/8/25
Technical Approval

18/8/25
Director – CLM

CFAO
20/8/25

20/8/25
Registrar

SRM UNIVERSITY AP
Andhra Pradesh

Finance Payables <finance.ap@srmap.edu.in>

Reg - Approval for Scrap Disposal – Finalization of Vendor & Next Steps

1 message

Purchase Helpdesk <purchase.helpdesk@srmap.edu.in> Wed, Aug 20, 2025 at 4:48 PM
To: Chandra Prabhu G D <chandraprabhu.gd@srmap.edu.in>
Cc: Vinayak Kalluri <vinayak.k@srmap.edu.in>, Chief Finance & Accounts Officer <cfao@srmap.edu.in>, Director Campus Life <director.clm@srmap.edu.in>, Ramu S <ramu.s@gp.srmap.edu.in>, Krishna Rajulapati <krishna.r@srmap.edu.in>, Rajesh Kannan S <rajeshkannan.s@srmap.edu.in>, Finance Payables <finance.ap@srmap.edu.in>, Ramesh Babu Dravidamani <rameshbabu.d@srmap.edu.in>, Anil Kumar Naradasu <anilkumar.n@srmap.edu.in>, Sai Kiran Reddy Raavi <saikiran.r@srmap.edu.in>

Dear Sir,

Greetings of the day,

Based on your request for the disposal of metal scraps, non-metal scraps, and cans, we have finalized the following vendors for the same:

- **M/s. Manikanta Enterprises** (Metals & Non Metals Scraps)
- **M/s. Elite Aqua Chem** (WTP / STP Chemical Drums / Can's)

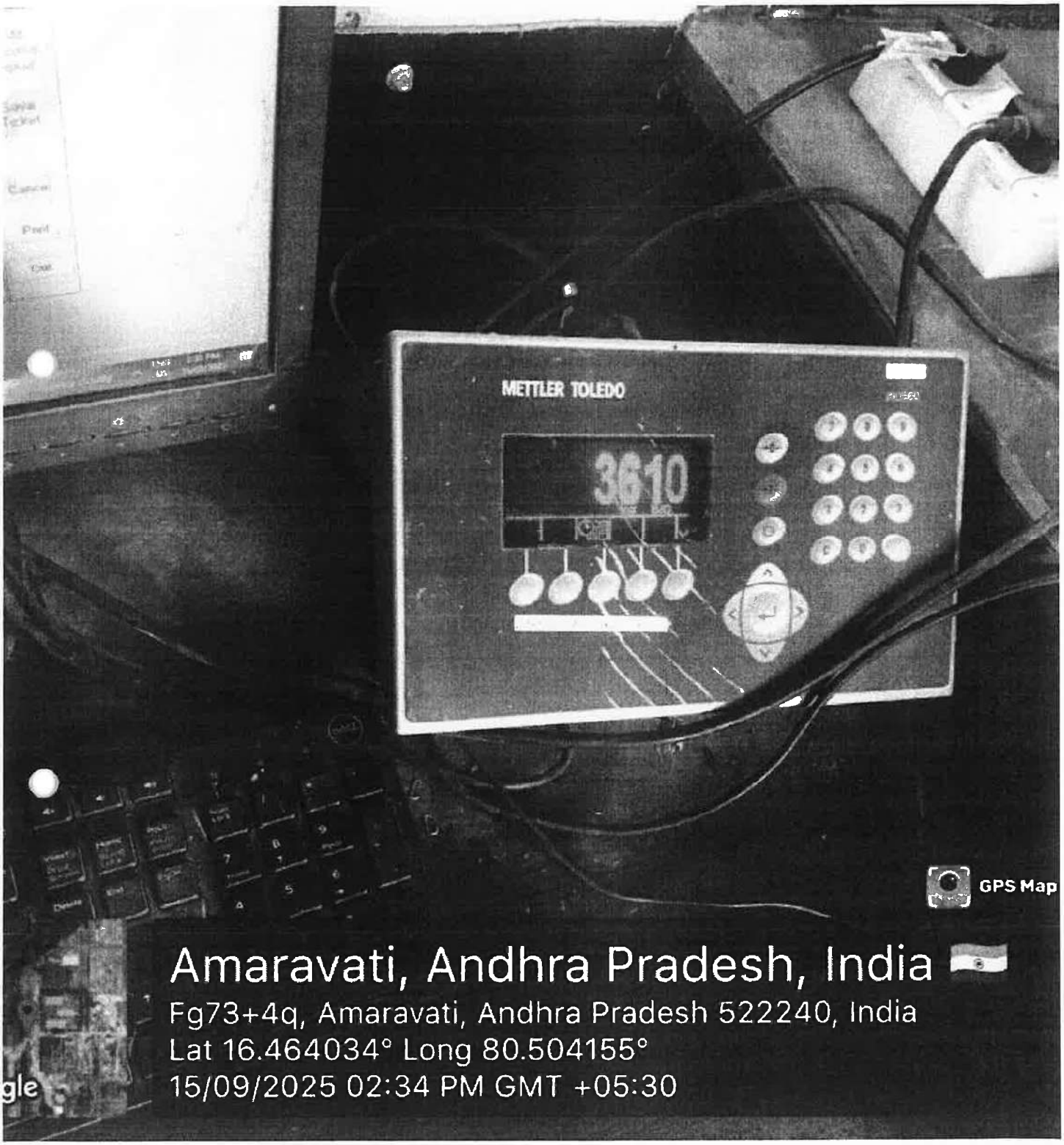
Please find enclosed the approval document, which includes the pricing details for your reference.

You are requested to initiate the further process for scrap disposal with the above vendors.

--
Thanks & Regards
Procurement Department,
Contact No: 0863 234 3063
SRM University-AP, Amaravati

SRM UNIVERSITY AP
Amaravati

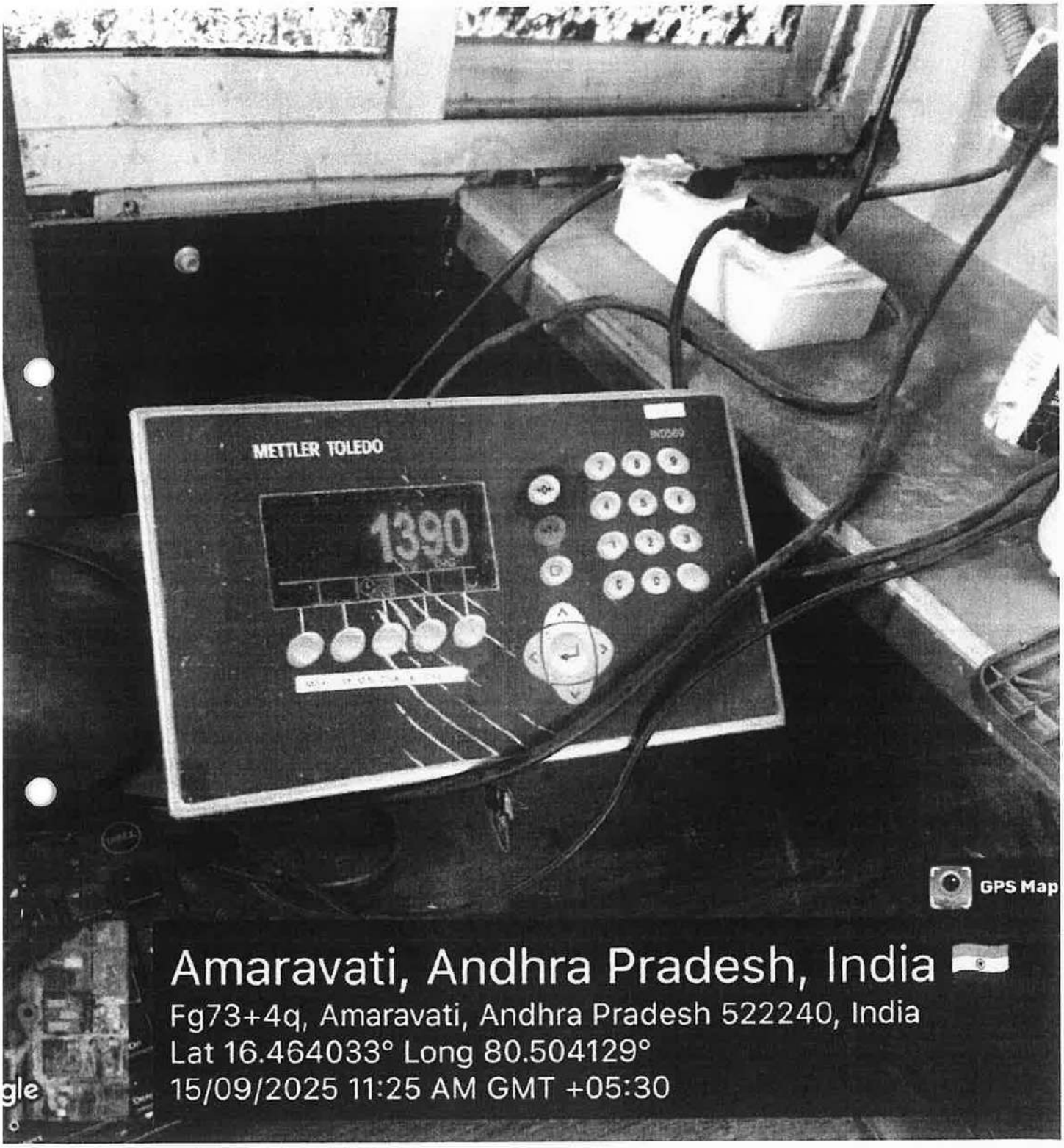
Scrap Approval - Manikanta Enterprises.pdf
85K

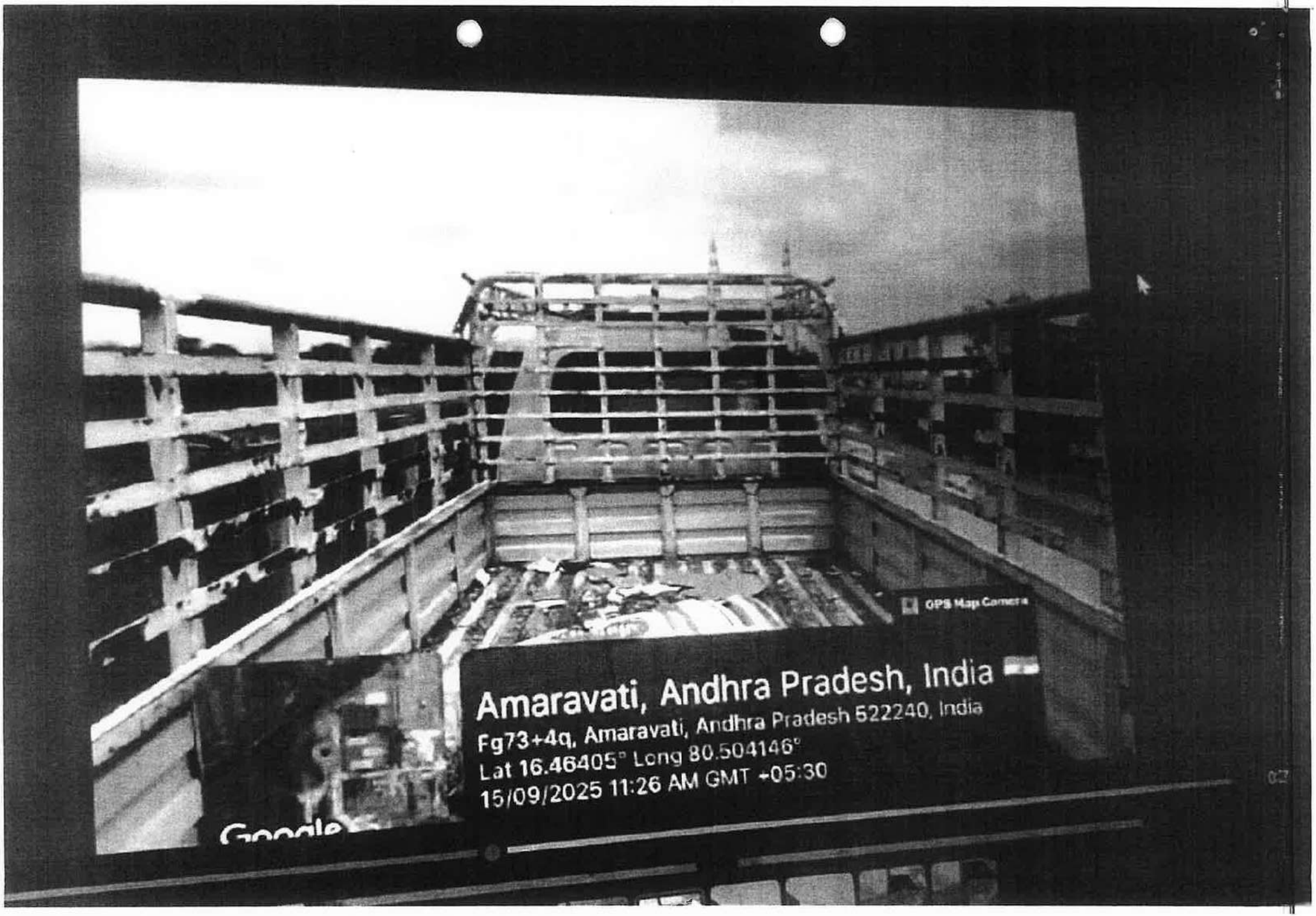


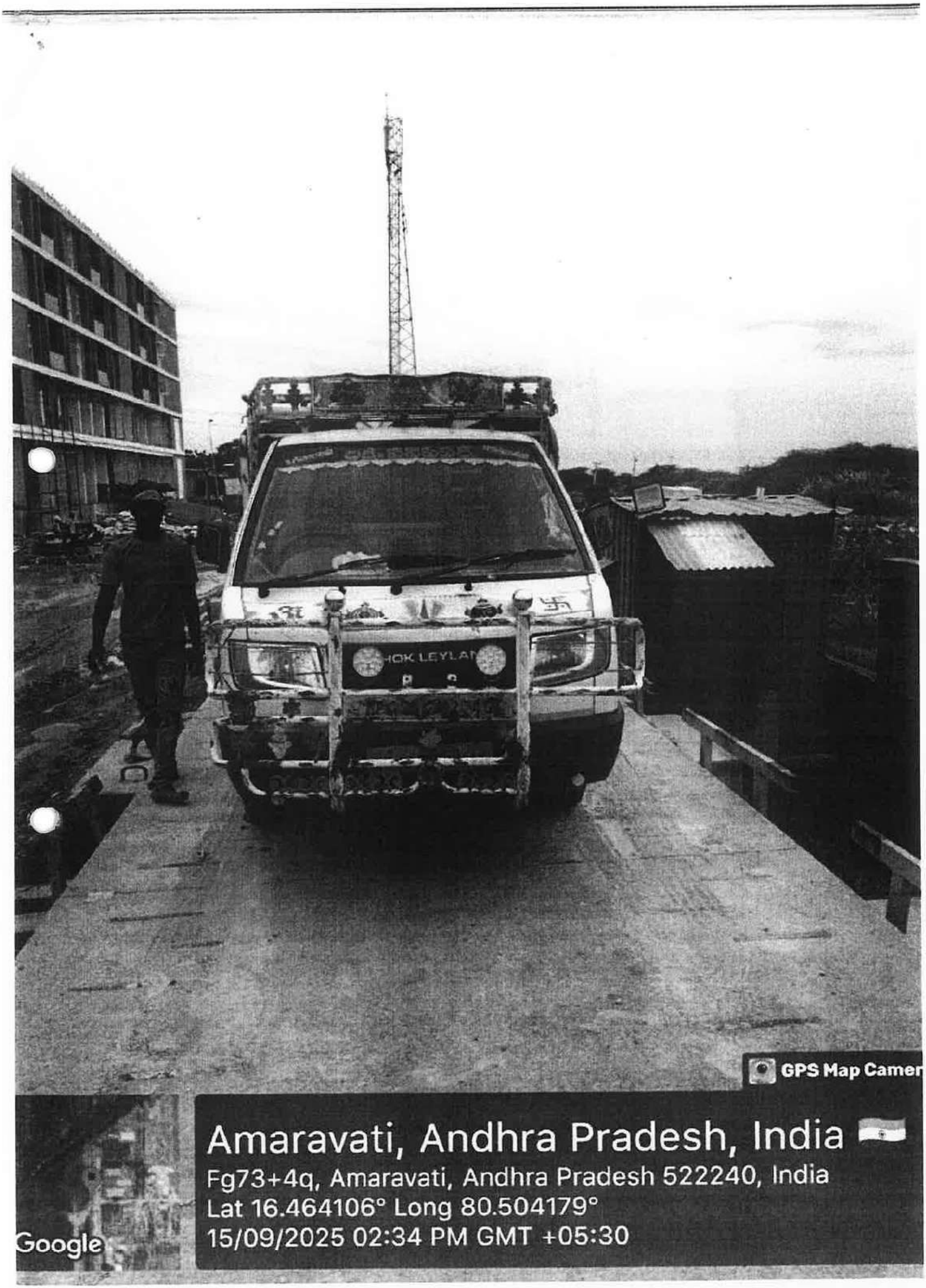
Pallavi & Cotton Bales Gross weight — 3610-00 kg

Tare weight — 1390-00 kg

Net weight → 2220 kg × 12 = 26,640/-


METTLER TOLEDO
1390
GPS Map
Amaravati, Andhra Pradesh, India
Fg73+4q, Amaravati, Andhra Pradesh 522240, India
Lat 16.464033° Long 80.504129°
15/09/2025 11:25 AM GMT +05:30


GPS Map Camera
Amaravati, Andhra Pradesh, India
Fg73+4q, Amaravati, Andhra Pradesh 522240, India
Lat 16.46405° Long 80.504146°
15/09/2025 11:26 AM GMT +05:30
Google


GPS Map Camer
Amaravati, Andhra Pradesh, India
Fg73+4q, Amaravati, Andhra Pradesh 522240, India
Lat 16.464106° Long 80.504179°
15/09/2025 02:34 PM GMT +05:30
Google

Note for Approval

FINANCE/SRMAP/ 25-26/169 Date:23-12-2025

Sub: Scrap Sale

Dear Madam,

This is to inform you that we have received a total amount of **Rs. 28,150/-** through **PhonePe** towards the sale of scrap at the **SRM-AP campus** from the vendor **M/s. Manikanta Enterprises, Guntur**.

The payment details are as follows:

- **UTR No. 559992457245** – Rs. 26,250/-
- **UTR No. 999607634122** – Rs. 1,900/-

Details of scarp and Rate per Kg/Nos

MANIKANTA ENTERPRISES, GUNTUR					
SRM SCRAP WASTE RATE CARD & SCRAP KG/NOS DETAILS					
Sl. No	**Item Name**	**Qty/Nos**	**Rate**	**Total Qty**	**Total Price**
1	Oil Metal Containers	Kg	25	1050	26,250
2	Plywood	Kg	2	950	1,900
	Total Amount				**28,150**

During the process of scrap sale at our university, we identified certain **plywood items**, which were also included in the sale.

These plywood items were **not mentioned in the rate card** provided by our **Procurement Department**. Due to this situation and on an **emergency basis**, the **CLM Department** took the initiative to negotiate with the vendor. After discussion, the rate was finalized at **Rs. 2 per kg**, with the **approval of the CLM Director**.

Prepared by — Cashier — CSO — Procurement

AGM-Finance — Director -CLM — CFAO — Registrar

Supervision:

Accounts: T. 26/2/22

CLM:

Procurement: Y. Jayaram

Note for Approval

FINANCE/SRMAP/ 25-26/169 Date:23-12-2025

Sub: Scrap Sale

Dear Madam,

This is to inform you that we have received a total amount of **Rs. 28,150/-** through **PhonePe** towards the sale of scrap at the **SRM-AP campus** from the vendor **M/s. Manikanta Enterprises, Guntur**.

The payment details are as follows:

- **UTR No. 559992457245** – Rs. 26,250/-
- **UTR No. 999607634122** – Rs. 1,900/-

Details of scarp and Rate per Kg/Nos

MANIKANTA ENTERPRISES, GUNTUR					
SRM SCRAP WASTE RATE CARD & SCRAP KG/NOS DETAILS					
Sl. No	**Item Name**	**Qty/Nos**	**Rate**	**Total Qty**	**Total Price**
1	Oil Metal Containers	Kg	25	1050	26,250
2	Plywood	Kg	2	950	1,900
	Total Amount				**28,150**

During the process of scrap sale at our university, we identified certain **plywood items**, which were also included in the sale.

These plywood items were **not mentioned in the rate card** provided by our **Procurement Department**. Due to this situation and on an **emergency basis**, the **CLM Department** took the initiative to negotiate with the vendor. After discussion, the rate was finalized at **Rs. 2 per kg**, with the **approval of the CLM Director**.

Prepared by — Cashier — CSO — Procurement

AGM-Finance — Director -CLM — CFAO — Registrar

Supervision:

Accounts: T. 26/2/22

CLM:

Procurement: Y. Jayaram


METTLER TOLEDO
IND560
2490
GPS Map Camera
Amaravati, Andhra Pradesh, India
Fg73+4q, Amaravati, Andhra Pradesh 522240, India
Lat 16.464013° Long 80.504123°
Tuesday, 23/12/2025 01:29 PM GMT +05:30
Google


TG0048
GPS Map Camera
Amaravati, Andhra Pradesh, India
Fg73+4q, Amaravati, Andhra Pradesh 522240, India
Lat 16.464029° Long 80.504155°
Tuesday, 23/12/2025 01:29 PM GMT +05:30
Google