



CII – NATIONAL ENVIRONMENTAL BEST PRACTICES AWARD - 2024

**JOURNEY TOWARDS
ZERO WASTE TO LANDFILL**

Arun Kumar J
Rialto Enterprises Private Limited,
Chennai

14th May 2024

RIALTO OVERVIEW



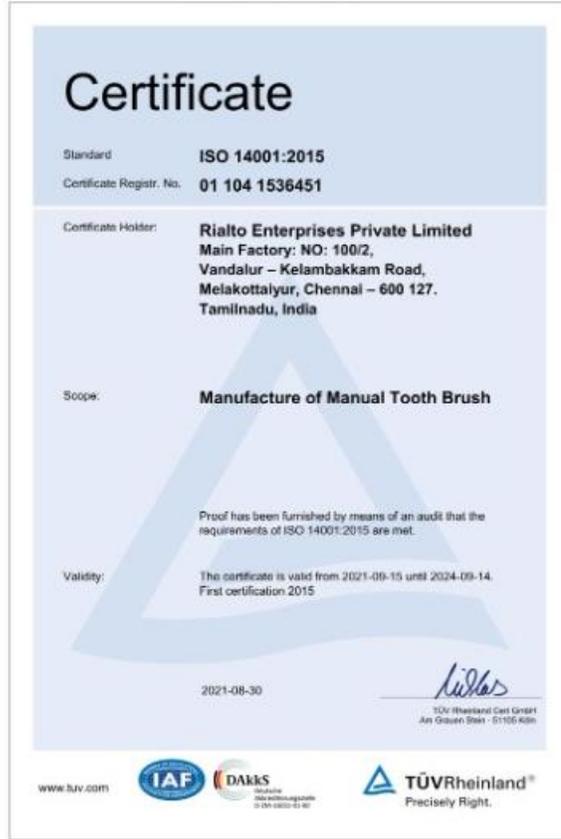
**100% Contract
Manufacturing
Unit of P&G**

**Rialto started manufacturing manual toothbrushes in 2001,
Site is ISO:9001:2015, ISO:14001:2015, ISO 45001:2018, ISO 13485:2016 &
GreenCo Platinum certified, Ecovadis Silver Rated,
Water Positive Facility, Zero Waste to Landfill Certified Facility**

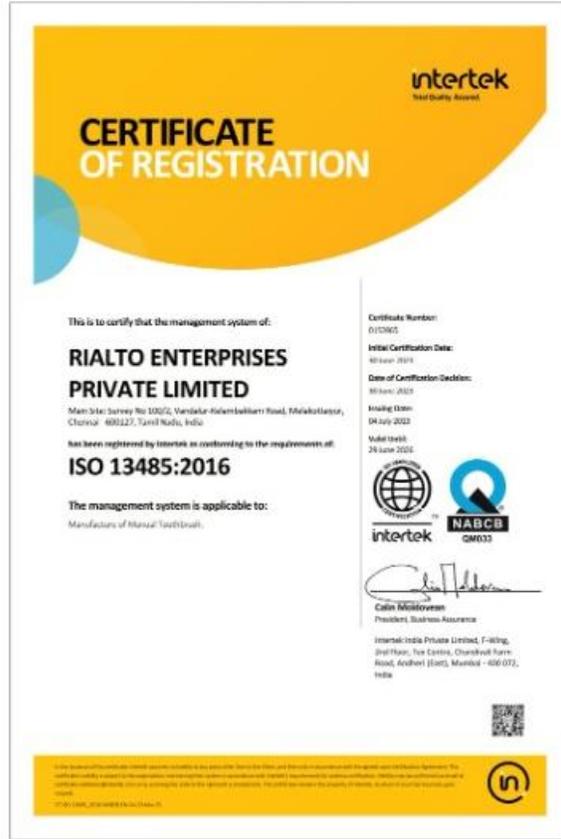
RIALTO ENROLLED TO VOLUNTARY CODES AND STANDARDS



ISO:9001:2015
QMS



ISO:14001:2015
EMS



ISO:13485:2016
MD-QMS



ISO:45001:2018
OH&S



RIALTO ENROLLED TO VOLUNTARY CODES AND STANDARDS



**SEDEX member -
SMETA 4 Pillar
Certified**



Nov 2023 - Nov 2024

PRODUCTS MANUFACTURED

MANUAL TOOTHBRUSHES



A dedicated Contract Manufacturing unit of Procter & Gamble



MARKET SUPPLIED FROM RIALTO, CHENNAI



Number of countries supplied from this site => 135

SNAPSHOTS OF SITE



Incoming Material Store



Main Factory 1 – Tick Tock Cells



R&D Qualified Testing Lab



Finished Goods Store

P&G Honors Rialto Enterprises, manufacturer of Oral-B toothbrushes with 3rd time External Business Partner of the Year Global Award 2022



Arunkumar J, President - Operations
Chander Swamy - CEO &
P L Ramanathan, Sr. Vice President - Innovation & Cost Control



This is the 3rd Time in 8 years that Rialto has received this recognition, besides 8 Partner of Excellence awards along the way.



P&G External Business
3 TIME WINNER Partner of the Year

GREENCO PLATINUM RATING FROM CII

Rialto received Green Co Platinum Rating from CII – Green Business center in February 2022



2022 - 2025



CII - WATER NEUTRALITY CERTIFICATION



**Rialto received the “Water Neutrality Certification”
from the Confederation of Indian Industry**

**1:5 Water Positive
Facility**

“GREEN CHAMPIONS AWARD” FROM MOEFCC & TNPCB

Rialto received the “Green Champions Award” from Tamil Nadu Government & TNPCB for the activities carried out towards the environmental protection and water conservation



“Green Champion Award” received by Mr. J Arunkumar – President of Operations and Mr. R Laxmankumar – Vice President Quality from Thiru. Siva. V Meyyanathan, Minister of Environment, Climate Change, Forest on 05th June 2022

OTHER AWARDS & ACCOLADE'S



Best Water Management Award



Carbon Positive Footprint Award



Environmental Restoration Award



EHS Bronze Award



Star Performer of the year – 2022 & 2023



Material Conservation Initiatives



National Environmental Best Practices Award - 2023



Green Supplier Development Program



OUR APPROACH TO CLIMATE CHANGE IMPACT MITIGATION

Our strategic approach Include

Achieve 100%
renewable electricity
by 2028

Achieve Net Zero
Emissions by 2040

Zero Waste To Landfill
by 2023

Achieve Water
Positive Status by
2022

Developing Green
Suppliers in the Value
Chain

To be a benchmark
in the Sector

 On track as per the plan

 Achieved

GREEN MANUFACTURING PRACTICES AT RIALTO

WATER
POSITIVE

1:5
Water Positive Unit

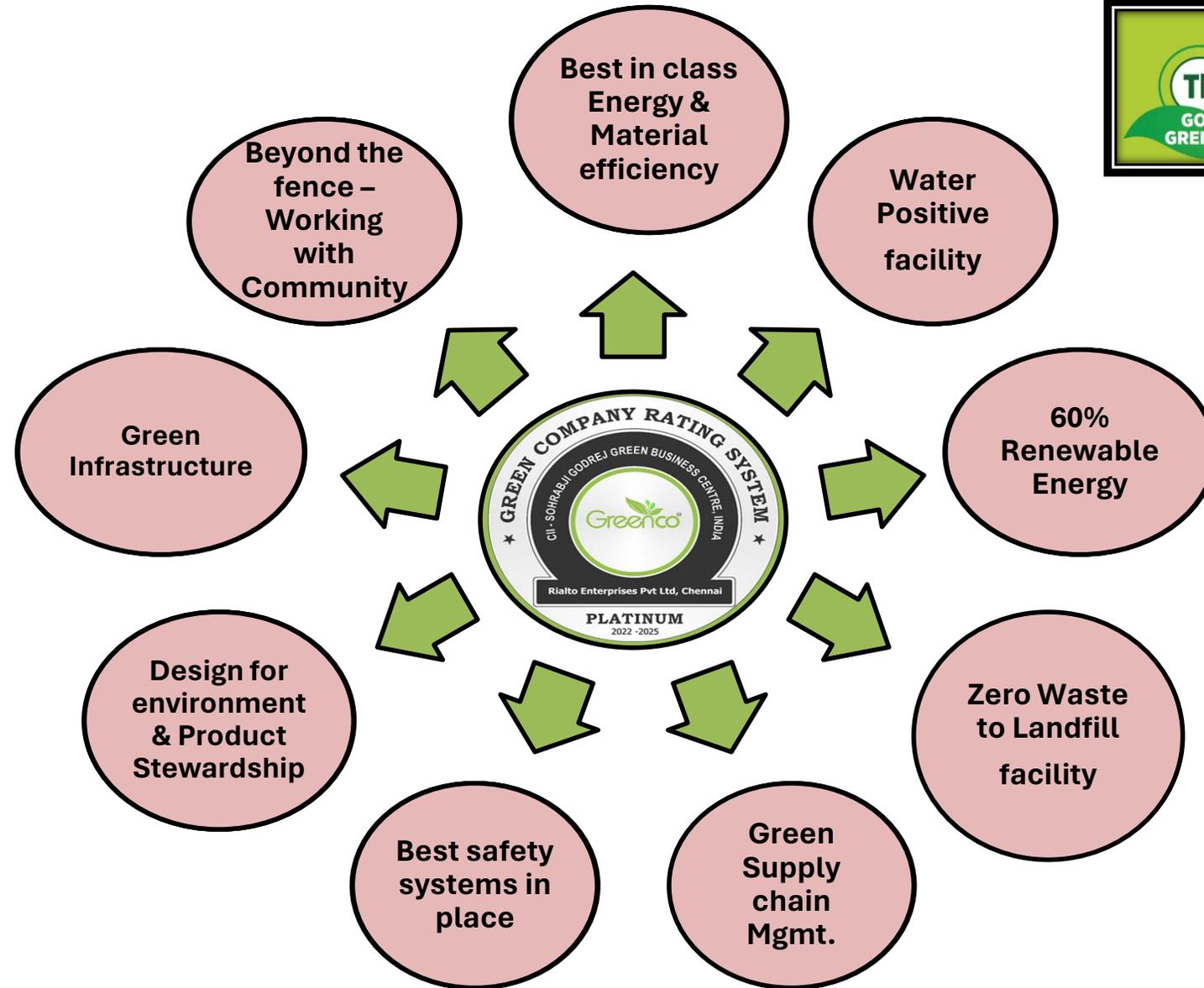


More than 99.9% of waste goes for recycling



2028

~75 % of the demand met by
1.74 MW
solar PV



ZERO WASTE TO LANDFILL JOURNEY

AGENDA



Trigger For the Project



ZWL Diversion Details



ZWL Journey of Rialto



Benefits Achieved (Tangible & Intangible)



Major Projects Implemented



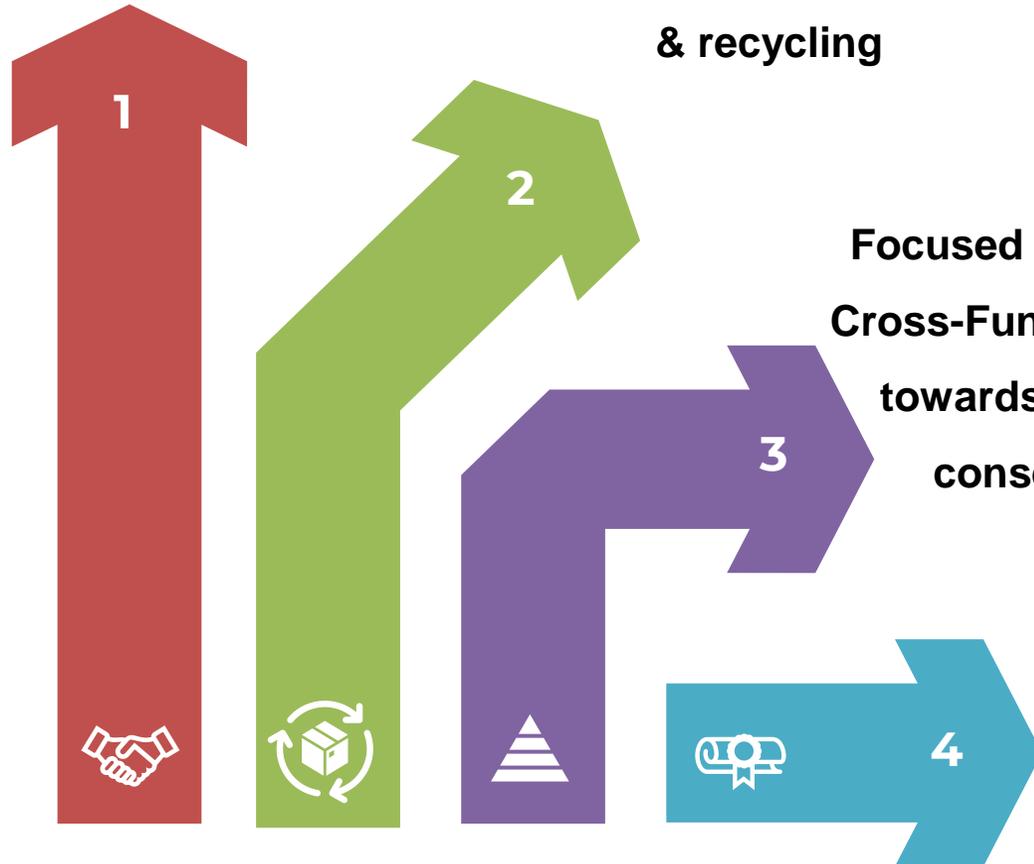
Challenges faced & Learning from the ZWL Journey

TRIGGER FOR ZWL

**Management
Commitment toward
Material Conservation
& Recycling of waste**

**Building a strong system
w.r.t waste management
& recycling**

**Focused approach of
Cross-Functional Team
towards Resource
conservation**



**CII GreenCo
Platinum Plus
Certification**

5. Waste Management & Material Conservation

- Reduce the specific generation of waste and reduce the quantum of waste going to landfills by 5% every year.
- Increase the use of recyclables and enhance the recyclability of resources used in the product by 5% every year.
- Become Zero waste to landfill certified facility by 2023.

ENVIRONMENT & SUSTAINABILITY POLICY

Rialto recognizes that Protecting Natural Environment is highly important and endeavor to minimize impact on the environment through the use of raw materials, emissions to air, water and waste generation and ensure Health, Safety and Well-being of all stake holders.

Rialto is committed to prevent pollution and continually improve activities towards Environment & Sustainability by

1. Adhering to highest standards in Environment protection and Prevention of pollution by implementing and sustaining a comprehensive Management System
2. Complying with and exceed legal and other related requirements.
3. Strive to become lowest specific energy consumer by maximizing energy efficiency and use of renewable energy and thereby reducing Carbon Footprint.
4. Conserve and Reduce the consumption of water by recycle and reuse of water through water management and water conservation measures.
5. Adopt 3R (Reduce, Reuse and Recycle) for all types of wastes towards reduction of impact on consumption of materials and environmental friendly disposal of "inevitable" wastes, in line with the regulatory requirements or industry best practice.
6. Conserve & Utilize materials effectively and increase the recycling content in all our raw and packaging materials.
7. Strive to reduce all types of wastes such as transportation, alternate materials etc. to reduce Greenhouse Gas emission and improve the supplier by adopting best practices towards enhancing environmental performance.
8. Promoting and protecting Environment, Health, Safety and well-being of all stake holders
9. Promoting and managing Product Stewardship program, by involving all stakeholders.
10. Incorporate Life Cycle Assessment approach for evaluating new and alternative technologies and products.
11. Rialto engages with various communities through its CSR initiatives for a better tomorrow.
12. Periodically reviewing the policy and objectives to make them appropriate with business needs and industry standards

Date: 24th August, 2021


Plant Head / CEO
Rialto Enterprises Pvt. Ltd

JOURNEY TOWARDS ZWL

S. No	Activity	Responsibility		Jan - Mar' 22	Apr- Jun' 22	Jul - Sep ' 22	Oct - Dec ' 22	Jan - Mar' 23	Apr- Jun' 23	Jul - Sep ' 23	Oct - Dec ' 23	Jan - Mar' 24	Apr- Jun' 24
1	Identification of different waste generated at Rialto	Production HOD's	Plan										
			Actual										
2	Defining of ZWL policy, system	Karthick	Plan										
			Actual										
3	Identifying the Diversion techniques	Karthick/ Senthilmurugan	Plan										
			Actual										
4	Monitoring & Source Segregation systems (Waste management Yard)	Senthilmurugan / Vijayakanth	Plan										
			Actual										
5	Training to Employees & SOP, OCP Revision	Karthick & Vijayakanth	Plan										
			Actual										
6	Source Segregation of Waste (Bin System)	Stores Team	Plan										
			Actual										
7	Identifying the Recycler & Site Audit qualification	Karthick / Senthilmurugan	Plan										
			Actual										
8	Preparation of Action Plan for ZWL	Karthick	Plan										
			Actual										
9	Implementation of ZWL Projects	Karthick / Senthilmurugan	Plan										
			Actual										
10	Achieve ZWL Status	Karthick	Plan										
			Actual										
11	3rd party Certification	Karthick / Senthilmurugan	Plan										
			Actual										
12	Sharing the best practices with fellow industries/suppliers for replication	Arunkumar	Plan										
			Actual										
13	Outreach to Supply partners to implement ZWL	Karthick	Plan										
			Actual										

TYPE OF WASTE GENERATED AT RIALTO

WASTE STREAM IDENTIFICATION

HAZARDOUS WASTE	NON-HAZARDOUS WASTE	
	Paper Waste:	Metal Waste:
5.1 - Used / Spent oil from DG	Backer Card Waste	Aluminium Waste
5.2 - Wastes / residues containing oil - Solid	Carton Scrap	GI Scrap
33.1 - Empty barrels / containers / liners contaminated with hazardous chemicals / wastes	Corrugated boxes	MS scrap
	Sticker Linear Paper	
OTHER WASTE	Plastic Waste:	Wooden Waste:
E - Waste	PP Handle Scrap	Wooden Pallet
Bio medical waste	Black Handle Scrap	Bamboo Handle
Food Waste	Nylon Powder & Nylon filament	Zero Value waste
	Poly cover (LDPE)	Headcap, Gloves
Battery Waste	Seal Cut PET scrap	Rubber band
	Other plastic waste	Biscuit cover, Food packaging's waste

WASTE GENERATION TECHNIQUES

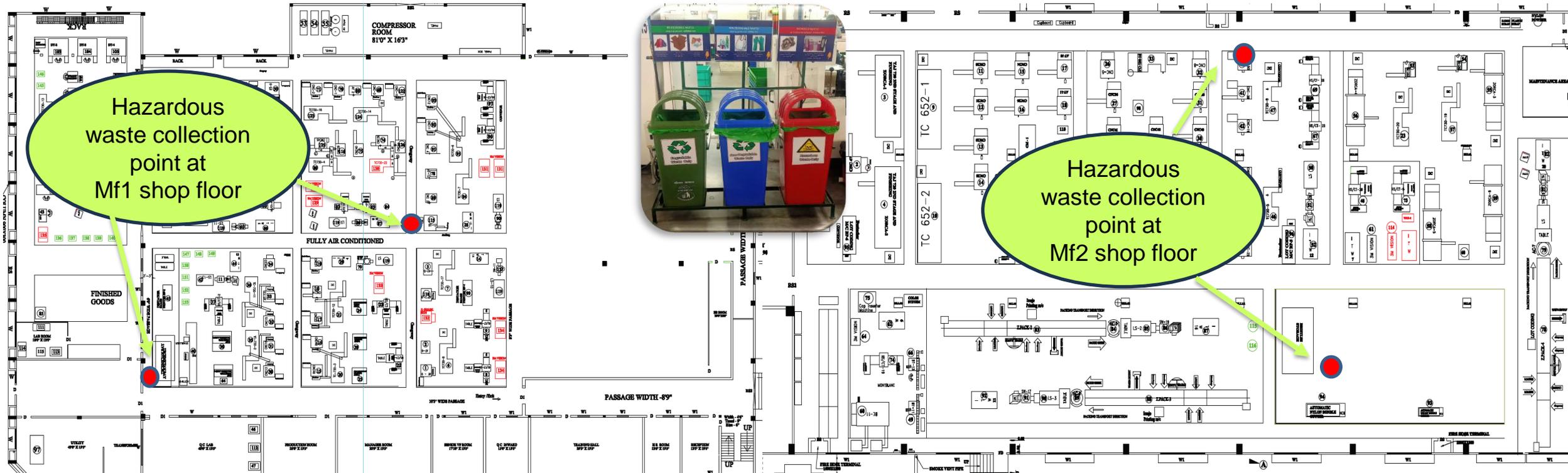
S.No	Waste Type	Method of Disposal	Recycling Techniques
Plastic Waste			
1	Plastic Handle waste (Rejections)	Reuse	Converted into Cassettes and reused inhouse
2	PET Blister Cut Waste (Forming waste)	Recycling	Recycled into PET Sheets
3	Seal Cut Waste during Packaging	Recycling	Recycled into Polyester yarn for Garment making
4	PP Runner and Lumps Waste during Moulding	Recycling	
5	Nylon powder/brush head/bristles Waste	Recycling	Recycled into Nylon rope
Paper Waste			
6	Backer Card Waste (Rejections)	Recycling	Recycled into Cardboard used for Book Binding application
7	Carton Box Waste	Recycling	Recycled and made corrugated paper rolls
8	Sticker & Barcode Linear Paper	Recycling	Recycled into Paper Pulp and sent to Paper Industry for Paper making
Wooden Waste			
9	Bamboo handle Waste	Waste to Energy	Given as a boiler fuel to recover the energy
10	Wooden Waste		
Metal Waste			
11	GI Waste	Recycling	Melted and recycled into different products
12	Aluminium Waste	Recycling	
13	MS Waste (Mould + others)	Recycling	
14	Zero value Waste	Waste to Energy	Coprocessing at Cement Mills for Energy Recovery
Hazardous waste			
15	Used oil	Recycling	Recycled into Furnace oil to use in boiler/ Furnace
16	Waste containing oil residues	Coprocessing	Coprocessing at Cement Mills for energy Recovery
Other Waste			
17	E - Waste	Recycling	Recycling
18	Biomedical waste	Recycling	Controlled Incineration by Authorised Recycler
19	Food waste	Reuse	To Cattle Feed
20	Battery Waste	Recycling	Recycled through Buy Back Scheme
21	Biomass waste (Garden Waste)	Repurpose	Converted into Vermicompost and reused as manure

COLLECTION & SOURCE SEGREGATION OF WASTE

For the collection of Non-Process waste, 3 Bin system introduced inside and outside the shopfloor area

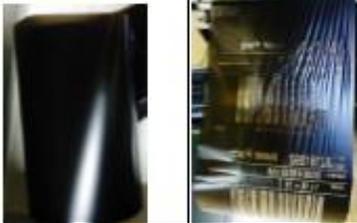
COLLECTION OF WASTES FROM SHOP FLOOR – MF1

COLLECTION OF WASTES FROM SHOP FLOOR – MF2



COLLECTION & SOURCE SEGREGATION OF WASTE

HAZARDOUS WASTE

S.No	Item Description	Items Photos
1	Machine cleaned / Oil tipped / Lot code Ink cleaned cotton waste cloths cotton waste cloths	
2	Empty lot code ink container & Pouch waste	
3	Barcode printing black Carbon paper waste.	

Hazardous waste



HAZARDOUS WASTE (RED), BIODEGRADABLE (GREEN) AND RECYCLABLES (BLUE) WASTE

COLLECTION & SOURCE SEGREGATION OF WASTE

PAPER WASTE

S.No	Item Description	Items Photos	Trolley color
1	Backer card (without sealing)		Green
2	Supplier Transit Shipper		
3	Nylon Hang wrapper		



COLLECTION & SOURCE SEGREGATION OF WASTE

PLASTIC WASTE

S.No	Item Description	Items Photos	Trolley color
1	Polythene cover		Blue
2	Wastage/loose Nylons from M/c's		
3	Blister card Waste from Seal cut M/c		
4	Blister card roll Waste from B1M & Hoonga		
5	Empty anchor wire spools		
6	Tearred off seal cut Blister cards		
7	Tearred off pouches / POP		
8	HIPS tray		



COLLECTION & SOURCE SEGREGATION OF WASTE

Source Segregation at HSCT Machines



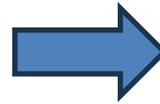
Rejection toothbrushes collected in Red Bins for Segregation



COLLECTION & SOURCE SEGREGATION OF WASTE

METAL WASTE

S.No		Item Description	Items Photos	Trolley color
1	Metal Scarp	GI Metal / Alu. sheet used in 10up m/c		Yellow
2		Machine spares not useable		
3		Any others Metals wastes		



IDENTIFIED PLACE FOR EACH WASTE

BEFORE



AFTER



8 Partitions to Store
different waste

MONITORING AND TRACKING OF WASTE

- Monitoring the waste disposals (Process waste) through SAP for effective monitoring and disposal

List Edit Goto Settings Environment System Help

Material Document List

Plant	Material	Material description	Stor. loc.	MvT	Material Document	Batch	Reference	Document Date	Posting Date	± Qty in UnE	EUn	Order
R001	7000029	RG10 Green RP JCP Motherson	M001	101	5000079276	0000328883	2723000691	28.09.2023	29.09.2023	1,500	KG	
R001	7000029	RG10 Green RP JCP Motherson	M001	101	5000078769	0000326714	2723000647	15.09.2023	19.09.2023	1,000	KG	
R001	7000029	RG10 Green RP JCP Motherson	M001	101	5000077898	0000322614	2723000590	01.09.2023	02.09.2023	2,450	KG	
R001	1200119_RP	RB10 Blue RP JCP Motherson	M001	101	5000079276	0000328882	2723000691	28.09.2023	29.09.2023	4,000	KG	
R001	1200119_RP	RB10 Blue RP JCP Motherson	M001	101	5000079277	0000328884	2723000692	28.09.2023	29.09.2023	2,000	KG	
R001	1200119_RP	RB10 Blue RP JCP Motherson	M001	101	5000078739	0000326693	2723000648	15.09.2023	19.09.2023	2,750	KG	
R001	1200119_RP	RB10 Blue RP JCP Motherson	M001	101	5000078767	0000326712	2723000654	15.09.2023	19.09.2023	750	KG	
R001	1200119_RP	RB10 Blue RP JCP Motherson	M001	101	5000078769	0000326713	2723000647	15.09.2023	19.09.2023	2,500	KG	
R001	1200119_RP	RB10 Blue RP JCP Motherson	M001	101	5000077898	0000322613	2723000590	01.09.2023	02.09.2023	5,000	KG	
R001	1200119_RP	RB10 Blue RP JCP Motherson	M001	101	5000077899	0000322615	2723000591	01.09.2023	02.09.2023	2,000	KG	
										23,950	KG	

Frequency of Disposal:

- Daily
- Weekly
- Monthly

Based on the quantity generation

MONITORING AND TRACKING OF WASTE

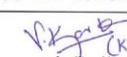
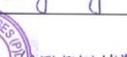
- Monitoring the disposals through SAP for effective monitoring and disposal

Sr. No	Category	Types of waste	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Total waste disposed
1	Hazardous	5.1 - Used/Spent Oil	0.042	0	0	0.0168	0	0	0.2352	0	0	0.126	0	0	0.420
2	Hazardous	5.2 Waste Containing Oil residues	0.0052	0	0	0.025	0	0	0.0122	0	0	0.033	0	0	0.075
3	Hazardous	33.1 - Empty Containers	0	0	0	0	0	0	0	0	0	0	0	0	0.000
4	Non-Hazardous	Plastic scrap (PP scrap)	2.122	1.382	1.035	1.294	0.816	0.5942	1.071	1.244	1.4852	0.261	2.6937	1.71593	15.71
5	Non-Hazardous	Aluminium Scrap (Anchor wire + others)	0.5566	0.0019	0.6974	0.00656	0.8799	0	0.485	0.058	0.0036	1.464	0.002	0.0124	4.17
6	Non-Hazardous	B..C. Carton Scrap	0	2.368	0	7.2	0.202	0	0.211	0.39	1.27	0.062	0.138	0.224	12.07
7	Non-Hazardous	Bamboo handle scrap	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8	Non-Hazardous	Black Handle Scrap	2.1224	1.5642	0.6425	0.919	0.83	0.5889	0.801	1.179	1.4853	0.96	2.723	1.508	15.32
9	Non-Hazardous	Broken tray, bin, table, chair etc.,Scrp	0	0	0	0	0	0	0	0.102	0.488	0	0	0	0.59
10	Non-Hazardous	Carton Scrap	4.9904	5.0652	4.5355	4.126	3.751	3.127	4.541	3.677	4.1522	3.665	3.81	3.275	48.72
11	Non-Hazardous	GI Scrap	0.011	0	0.0415	0	0	0	0.176	0	0	0	0	0	0.23
12	Non-Hazardous	MISC. Carton Box Scrap	0	0	0	2.52	0.3566	0	0	0	0	0	0.264	0	3.14
13	Non-Hazardous	MS scrap (Mould + others)	0.46	0	0	0	0.4722	0	0.09	0.36	0	1.0187	0	0	2.40
14	Non-Hazardous	Nylon powder/brush head/bristles Scrap	3.2666	4.505	3.3189	4.0454	3.7862	2.222	5.695	4.52	5.2047	3.7195	3.945	4.37	48.60
15	Non-Hazardous	Polycover Scrap POF Pouch	0	0	0	0	0	0	4.48	0.581	0.3344	0.3515	0.348	0.3877	6.48
16	Non-Hazardous	TPR scrap	2.1224	1.2625	0.566	1.834	0.816	1.3	1.601	1.613	1.4853	0.0631	1.729	1.508	15.90
17	Non-Hazardous	Wooden Scrap	0.255	0.9	0.66	0.84	3.36	0	0.31	0.39	1.46	0	0	0	8.18
18	Non-Hazardous	Seal Cut Scrap from 10 UP	12.98	9.84	8.74	9.56	10.76	11.21	14.35	19.859	9.23	8.855	11.35	11.599	138.33
19	Non-Hazardous	Linear Scrap	0.18	0.25	0.24	0.2	0.28	0.34	0	0	0	0	0	0	1.49
20	Non-Hazardous	Rejected Handle for Cassette (Jayachandran Plastics)	0	0	2	0	0	0	2	0	0	0	0	0	4.00
21	Non-Hazardous	Rejected Handle for Cassette (RMG)	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	Non-Hazardous	Snacks Biscuit Covers, Sweeping waste, Breakfast & lunch packaging, Head Cap, Gloves	0.287	0.235	0.212	0.302	0.295	0.26	0.21	0.32	0.256	0.199	0.283	0.243	3.10
23	Food Waste	Food residues of Breakfast & lunch	0.347	0.34	0.416	0.331	0.371	0.37	0.457	0.464	0.445	0.411	0.404	0.306	4.66
24	Biomedical Waste	Used Cotton, Bandage, etc.,	0.0004	0.0004	0.0005	0.0003	0.0005	0.0003	0.00032	0.001571	0.00	0.0011	0.00	0.00	0.0070
25	E- Waste	Computer accessories, Battery, Electrical Components like wires, Lights, etc.,	0.0688	0	0	0	0	0	0.0346	0	0	0	0.0225	0	0.13
26	Battery Waste	UPS Battery	0	0	0	0	0.1659	0.0165	0	0.1106	0.0248	0	0.0352	0	0.35
			29.8	27.7	23.1	33.2	27.0	20.0	36.8	34.8	27.3	21.2	27.7	25.1	334.07

AUDIT OF RECYCLERS

Supreme Petro Products 5.1 Used Oil



Rialto Enterprises Pvt Ltd, Chennai		Rialto
Vendor Name: SUPREME PETRO PRODUCTS, No. 225/1A, 2J, 225/1AK, Address: Eguvarpalayam, Gummidipoondi Taluk, Tiruvallur District. Poc: AGILAN 8870107642		Auditee name: KARTHICKAN / SETHIL MURUGAN MANAGER SUSTAINABILITY
S.no	Check points	Observation
1	To verify does the supplier had obtained Consent order from TNPCB.	Yes, available
2	To check validity of consent	180518936980, Valid till March 31, 2024
3	Are they any Air/water permits required?	Yes, Obtained from TNPCB
4	Does supplier has obtained legal compliance of all applicable environment requirements	Hazardous waste authorisation till March 31, 2026.
5	Does the recycler comply with all applicable permissible exposure limits for sampling and monitoring	AAA is Noise report's are not available at site.
6	Are the permits required for recycling	Yes
7	Collected waste stored properly with identifications	Collected in Bulk storage tank
8	Personnel whose handling hazardous waste by using proper PPE	Few employees were not using PPE's.
9	Basic safety information readily accessible?	Not available.
10	Are the site personal familiar with proper handling of hazardous waste and site emergency procedures?	Yes, Emergency responses team available & aware.
11	Housekeeping of all are of the facility planned, regularly implemented and monitored?	Leakage to be arrested at final product (FO) loading area
Area of Improvement		1. Legal Compliance file to be available at site 2. Leakage's to be arrested at loading bay.
Date: 17.02.2024		 KARTHICKAN  SETHIL MURUGAN Auditor Name with Signature

AUDIT OF RECYCLERS

Quality Business Systems 5.2 Waste/ Residues Containing Oil



Rialto Enterprises Pvt Ltd, Chennai		Rialto
Vendor Name QUALITY BUSINESS SYSTEMS		
Address SF 505, Ambattur Industrial Estate, Chennai - 58.		Auditee name: KARTHICK SENTHIL MURUGAN MANAGER - SUSTAINABILITY, RIALTO
Poc: HEMAKUMAR 7550230633		
S.no	Check points	Observation
1	To verify does the supplier had obtained Consent order from TNPCB.	Yes (2305150293865) VALIDITY: March 31, 2028
2	To check validity of consent	March 31, 2028
3	Are they any Air/water permits required ?	Yes, Air & water Consent available
4	Does supplier has obtained legal compliance of all applicable environment requirements	Has a Valid Haz. Waste authorization till 25/12-2025.
5	Does the recycler comply with all applicable permissible exposure limits for sampling and monitoring	AAQ & noise test all under TNPCB permissible limit.
6	Are the permits required for recycling	Yes, TSDF Preprocessor obtained for TNPCB.
7	Collected waste stored properly with identifications	Yes, Stored with Identification.
8	Personnel whose handling hazardous waste by using proper PPE	Yes, PPE's Used while handling
9	Basic safety information readily accessible?	Not available
10	Are the site personal familiar with proper handling of hazardous waste and site emergency procedures?	Yes, Employee's were trained at Eng. responses.
11	Housekeeping of all are of the facility planned, regularly implemented and monitored ?	- Good -
Area of Improvement		1. Ensure parkbook system is in place while collecting the Haz. Waste.
Date: 17.02.2024	Auditor Name with Signature: (KARTHICK) J. V. S. SENTHIL MURUGAN	

AUDIT OF RECYCLERS

VICTORY RECOVERY & RECYCLING E-WASTE



Rialto Enterprises Pvt Ltd,
Chennai

Vendor Name: **VICTORY RECOVERY AND RECYCLE TECHNOLOGIES INDIA PT LTD,**
672, Kannur Village,
Thiruvallur Taluk.

Address: **672, Kannur Village,
Thiruvallur Taluk.**

Contact : **Srinivasan
7299952329**

Auditee name: **KARTHICK.V / SRINIVASAN
MANAGER
SUSTAINABILITY**

S.no	Check points	Observation
1	To verify does the supplier had obtained Consent order from TNPCC.	Yes, Obtained (2205244638020)
2	To check validity of consent	Valid till March 31, 2027.
3	Are they any Air/water permits required ?	Yes Authorisation required, Obtained
4	Does supplier has obtained legal compliance of all applicable environment requirements	23HFC11687691 dated 21-07-23 Valid March 31, 2028.
5	Does the recycler comply with all applicable permissible exposure limits for sampling and monitoring	Yes
6	Are the permits required for recycling	Authorisation.
7	Collected waste stored properly with identifications	Yes
8	Personnel whose handling hazardous waste by using proper PPE	PPE's NOT USED
9	Basic safety information readily accessible?	Yes, Postex available.
10	Are the site personal familiar with proper handling of hazardous waste and site emergency procedures?	Yes
11	Housekeeping of all are of the facility planned, regularly implemented and monitored ?	Good, Advised to make a Checklist

Area of Improvement: **1- Make a detailed checklist for housekeeping.
2. Educate Employee's to use PPE's.**

Date: **21-07-2023**

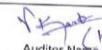
Auditor Name with Signature: **V. Srinivasan**

CHENNAI
R20127

AUDIT OF RECYCLERS

Sri Venkateswara Paper Board Sticker Linear Wastepaper



S.no	Check points	Observation
1	To verify does the supplier had obtained Consent order from TNPCB.	YES CTO (2407154672485)
2	To check validity of consent	Till Mar 31, 2026
3	Are they any Air/water permits required ?	YES
4	Does supplier has obtained legal compliance of all applicable environment requirements	YES
5	Does the recycler comply with all applicable permissible exposure limits for sampling and monitoring	- NA -
6	Are the permits required for recycling	CTO Obtained (NA)
7	Collected waste stored properly with identifications	YES Stored with Identification
8	Personnel whose handling hazardous waste by using proper PPE	PPE's used (Non-haz waste)
9	Basic safety information readily accessible?	- No -
10	Are the site personal familiar with proper handling of hazardous waste and site emergency procedures?	- NA -
11	Housekeeping of all are of the facility planned, regularly implemented and monitored ?	Housekeeping to be Improved No waste ends in Landfill
Area of Improvement		1. Housekeeping to be improved 2. Residual water has to be diverted to ETP
Date: 14.06.2023		Auditor Name:  

ZWL IMPLEMENTATION ACTION PLAN

S.No	Type of waste	Activity	Method	Status
1	Ink Cartridge Ink Containers	Technology Upgradation from Ink based to Laser Printing	Elimination	Completed
2	Sticker Linear Wastepaper	Converted to Paper Pulp and sent as a raw material to TNPL, Seshasayee Paper And Boards Ltd, Tissue Paper Manufacturers	Recycle	Completed
3	Seal Cut Waste (PET + Cardboard)	1. PET Sent to PET Bottle/sheet Manufacturers 2. Cardboard used for bookbinding	Recycle	Completed
4	Paper	Paper Less Office - Optimum use of Papers	Reduction	Completed
5	Corrugated Boxes	Shipper to Reusable Bins	Reuse	Completed
6	Rejected Handles	Rejected Handles to Cassette	Reuse	Completed
7	Seal Cut Waste (PET + Cardboard)	Introduction of Z-Pack Machines	Reduction	Completed
8	Green Waste	Vermicompost system - Biocomposting of Biomass to Manure	Recycle & Reuse	Completed
9	Paper	Paper Cups replaced with Cups and Tumbler	Elimination	Completed
10	Wooden Waste	Sent as a Boiler Fuel to Hotels	Reuse	Completed
11	Nylon power	Nylon Rod and Rope	Recycle	Completed
12	Food Waste	Food for Cattle Feed	Reuse	Completed
13	Rejected Handles & PP lumps from supplier	For the polyster industry for thread making	Recycling	Completed
14	3 Bin System	Source Segregation of Waste	-	Completed
15	Source Segregation of waste	Modification of Waste Management Yard	-	Completed

1. STICKER LINEAR WASTE TO PAPER PULP



Investment: Nil
Savings: 6
Lakhs/Annum
Waste diverted:
22 MT



Tissue
Paper



Paper
Manufacturing

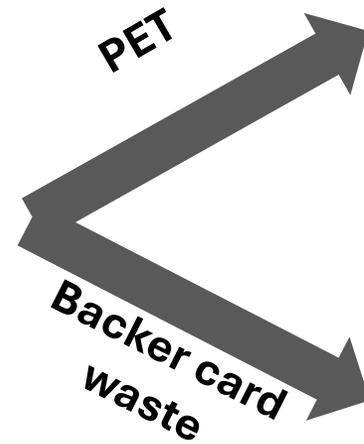
Sent to Paper manufacturers
(TNPL) and converted to White
Paper and Tissue paper

2. RECYCLING OF SEAL CUT WASTE TO POLYESTER YARN

Investment: Nil
Savings: 1.5 Lakhs/Annum
Waste Diverted: 138 MT



Seal CUT Process
Packaging Waste
(Backer card with RPET)



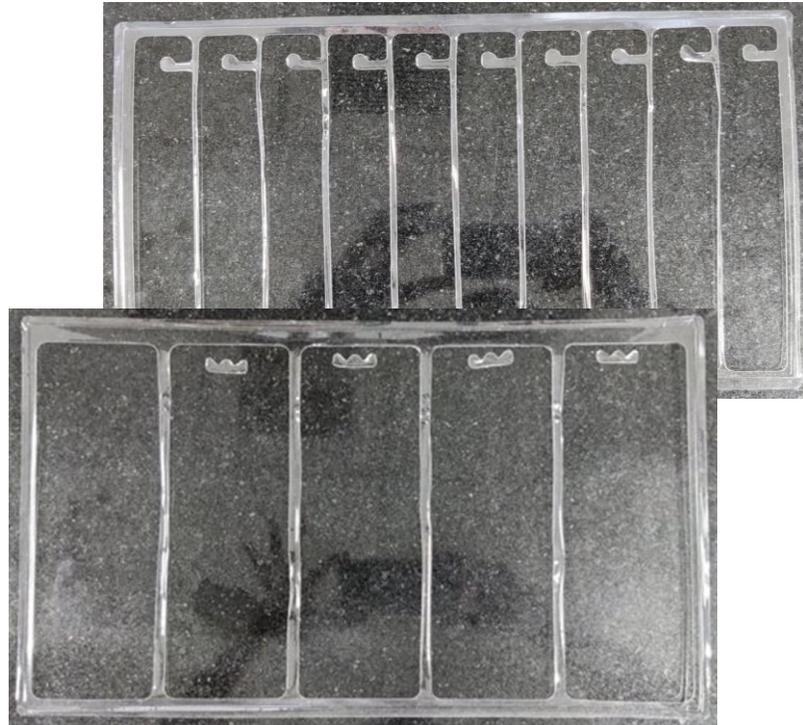
Sent to
Polyester Yarn Manufacturer



Cardboard for
Book Binding

3. RECYCLING OF THERMO-FORMING WASTE TO PET ROLL

R-PET FORMING WASTE



Investment: Nil
Savings:
1.5 Lakhs/Annum
Waste Diverted:
127 MT

Grinded to R-PET Flakes



Sent to R-PET Roll Manufacturers



4. PAPER LESS OFFICE INITIATIVE OPTIMUM USE OF PAPERS

1. Employee In-Out entry automation
2. Digitization of Operators' lunch coupons
3. Digitization of ISO Audit documents and digital signatures of documents
4. Employee training through the LMS system
5. Reduction of Q Sticker (by 50% by optimization)
6. Digitalization of all SOP & Pre-Printed book QA and Production to CROWN software
7. Maintenance DIE Room – Optimization by 2 Side Printing & Combined Location to reduce consumption
8. Optimization of Oral-B Visual Checklist Booklet



Investment: Nil
1.3 tonnes of waste reduction
Benefit 2.6 lakhs/Annum

5. SHIPPER TO REUSABLE BOXES

Reusable PP boxes were replaced for RM & PM Shipment and the boxes were sent back to the Supplier for the next supply

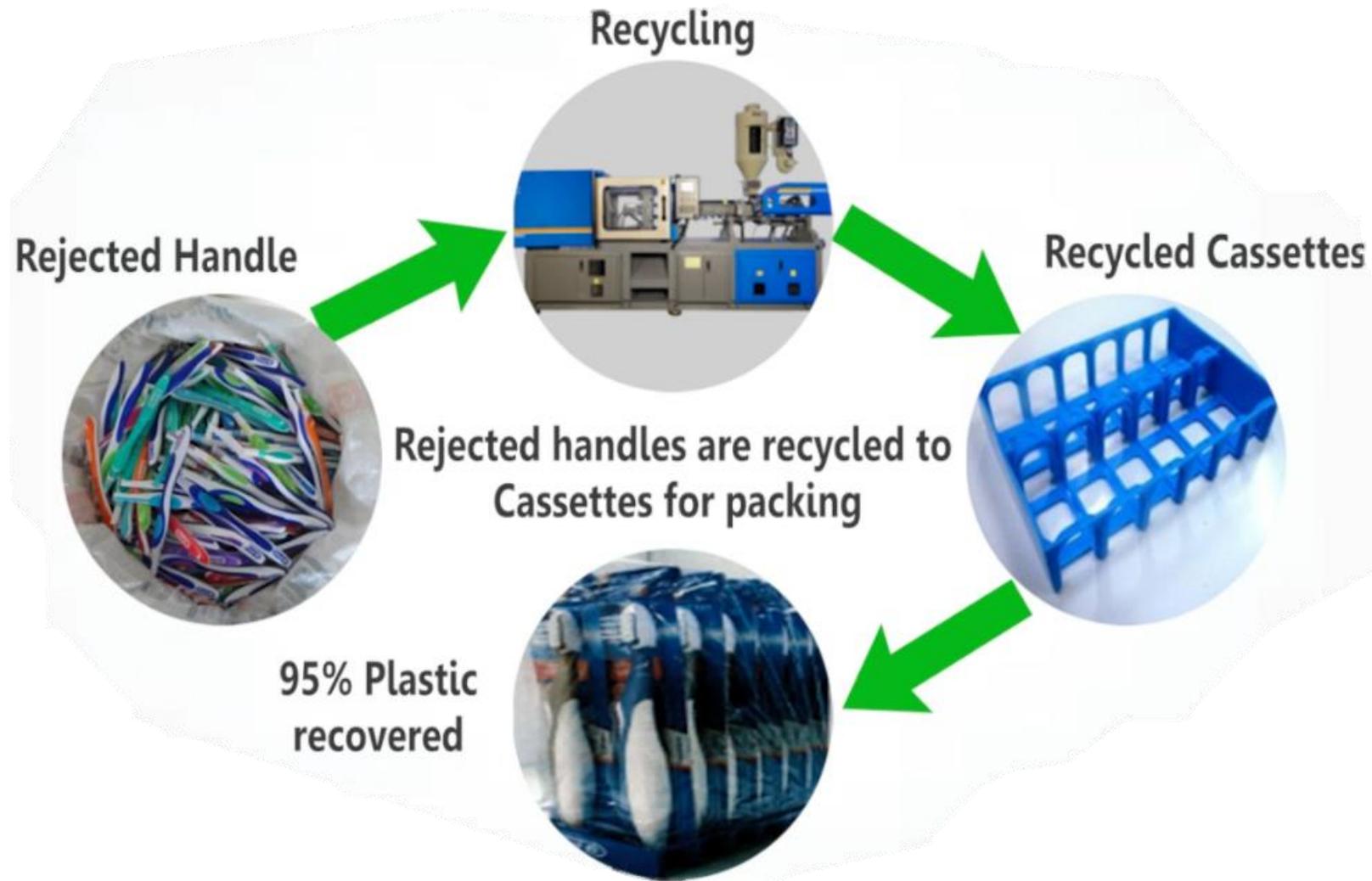


Investment: 4.9 L
Savings:
26 L / Annum
Material
Conservation :
48.7 MT

**Reusable PP
Boxes**

More than 86% of the buy value comes in reusable packaging except Imported materials

6. REJECTED HANDLES TO CASSETTE



- Rejected brush handles are recycled into Cassettes and used as a packing material

Investment: Nil
Benefit 44 lakhs/
Annum
Material
Conservation: 40
MT/Annum

7. REJECTED HANDLES TO THREAD MAKING IN POLYESTER INDUSTRY

PP Runner & lumps, TPR



PP lumps from suppliers

PP Runner & lumps

TPR

Investment: Nil
Savings:
9.05 Lakhs/Annum
ROI: Immediate

Thread Making



8. RECYCLING OF CORRUGATED BOX TO PAPER

Used corrugated boxes



Recycler Shredded it and sent to Paper Mills



Recycled into Paper Rolls and sent to Corrugated Box Manufacturers



9. TECHNOLOGY UPGRADATION FROM INK-BASED TO LASER PRINTING

Cartridge vs LASER Printing

Before



After



Investment: 2.2 crores
Savings: 56 Lakhs
ROI: 4 Years
2.3 MT Ink Consumables savings

Cartridge vs LASER Printing

Before

After

Inkjet Printing in Plain Background	Inkjet Printing in Blue Background	Laser Printing in Plain Background	Laser Printing in Blue Background
<p>1162858001 PROD: 11-06-2021 13:36 00223 4 902430 664721 ></p>	<p>0290858001 PROD: R24-10-2020 14:49 17326</p>	<p>P&G 1042858001 PROD: 11-02-2021 15:22 00085 4 902430 796224 ></p>	<p>1042858001 PROD: 11-02-2021 15:22 00085 4 987176 037114 ></p>

BENEFITS

- Eliminate the purchase of Inks
- Avoided the Disposal of Hazardous waste Category 33.1
- Eliminated the ink spillage and cleaning
- 3 Manpower Reduction

10. TECHNOLOGY UPGRADATION INTRODUCTION OF Z-PACK MACHINES

10 UP HSCT Machine



Investment: 14 crore
12 tonnes of seal cut
waste
Benefit 13.2 lakhs/
Annum



Z-pack Machine

11. NYLON POWDER TO NYLON ROPE & ROD

Nylon Filament



Nylon Trim Waste

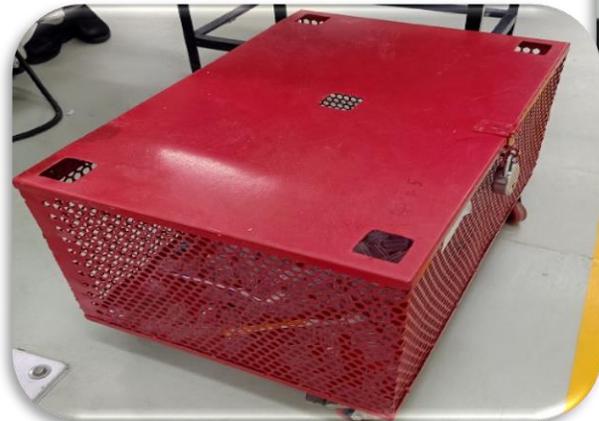
Investment: Nil
Savings: 2.6 Lakhs/Annum
Waste Diverted: 48.6 MT



Sent to Recyclers and recycled into Nylon Rope



12. SOURCE SEGREGATION OF WASTE INTRODUCTION OF 3 BIN SYSTEM



Investment: 3.6 lakhs
Benefits: Better source Segregation of waste

13. MODIFICATION OF WASTE MANAGEMENT YARD TO STORE DIFFERENT WASTE



Investment: 2.9
lakhs
Benefits: Better
Segregation of
waste

14. VERMICOMPOST SYSTEM

BIOCOMPOSTING OF BIOMASS TO ORGANIC MANURE

Investment: 4.2 lakhs
Savings: Nil
Waste Diverted:
44 MT



15. WOODEN PALLETS & BAMBOO HANDLE WASTE



Wooden pallets



Bamboo Brush Rejections (Head Cut)

Investment: Nil
Savings:
Waste Diverted:
8.18 MT

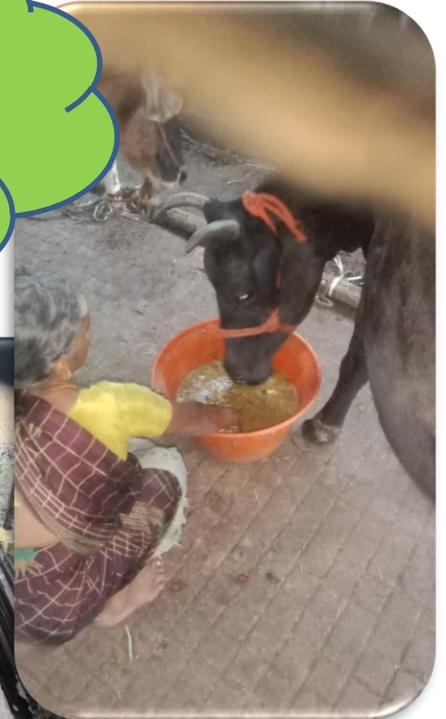


Used as a Boiler Fuel (Energy Recovery)

16. FOOD WASTE TO CATTLE FEED



Investment: Nil
Benefits: waste diverted from Landfill: 4.66 MT



Food waste was given to cattle feed

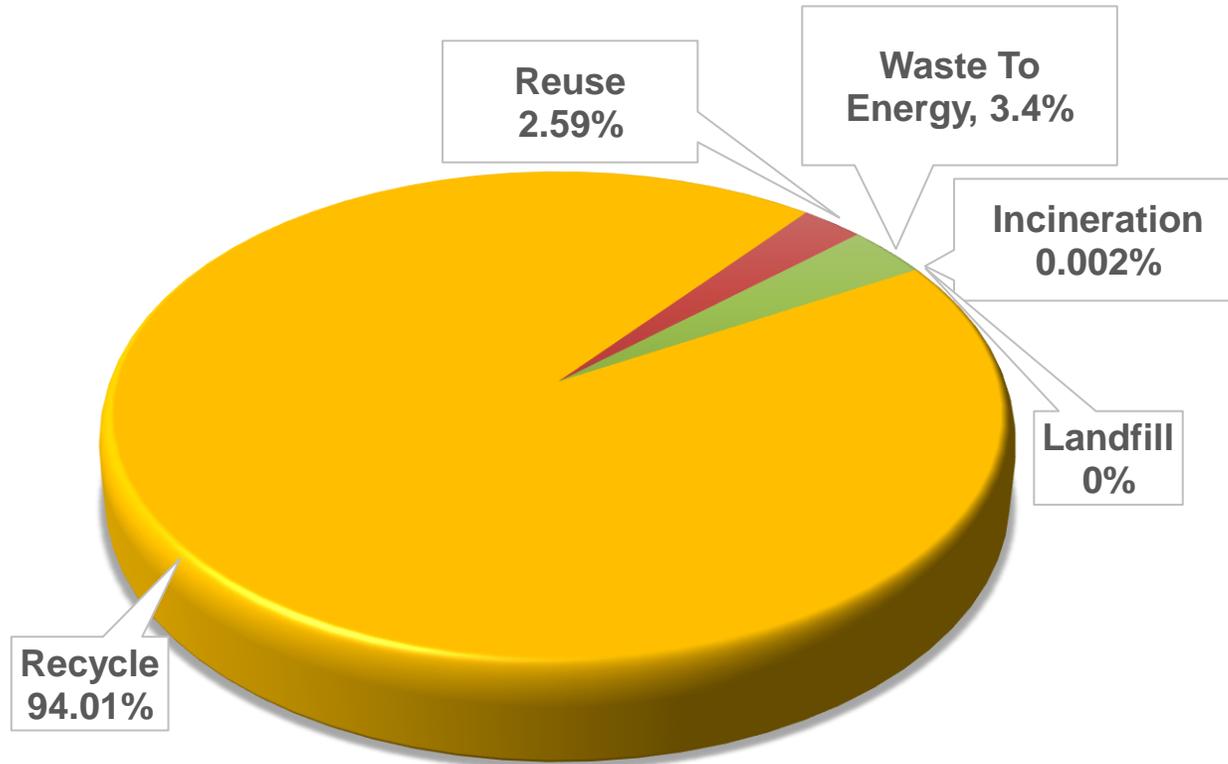
OUR EFFORTS & BENEFITS

S.No	Type of waste	Activity	Method	Waste Diverted (MT)	Investment (Lakhs)	Total Savings
1	Ink Cartridge Ink Containers	Technology Upgradation from Ink based to Laser Printing	Elimination	2.3	220	56
2	Sticker Linear Wastepaper	Converted to Paper Pulp and sent as a raw material to TNPL, Seshasayee Paper And Boards Ltd, Tissue Paper Manufacturers	Recycle	22	Nil	6
3	Seal Cut Waste (PET + Cardboard)	1. PET Sent to PET Bottle/sheet Manufacturers 2. Cardboard used for bookbinding	Recycle	138	Nil	1.5
4	Paper	Paper Less Office - Optimum use of Papers	Reduction	1.3	3.84	2.6
5	Corrugated Boxes	Shipper to Reusable Bins	Reuse	48.7	4.9	26
6	Rejected Handles	Rejected Handles to Cassette	Reuse	40	Nil	4.4
7	Seal Cut Waste (PET + Cardboard)	Introduction of Z-Pack Machines	Reduction	12	1400*	13.2
8	Green Waste	Vermicompost system - Biocomposting of Biomass to Manure	Recycle & Reuse	44	4.2	-
9	Paper	Paper Cups replaced with Cups and Tumbler	Elimination	1.3	2.6	0.18
10	Wooden Waste	Sent as a Boiler Fuel to Hotels	Reuse	8.18	Nil	-
11	Nylon power	Nylon Rod and Rope	Recycle	48.6	Nil	2.6
12	Food Waste	Food for Cattle Feed	Reuse	4.66	Nil	-
13	Rejected Handles & PP lumps from supplier	For the polsyter industry for thread making	Recycling	40	Nil	9.057
14	3 Bin System	Source Segregation of Waste	-	Nil	3.6	-
15	Source Segregation of waste	Modification of Waste Management Yard	-	Nil	2.9	-
			Total	411 MT	242.4 Lakhs*	121.5 Lakhs

***Machinery Capex investment by is not included**

ZWL – DIVERSION AWAY FROM LANDFILL

Waste Disposal Details (Jan – Dec 2023)



- Recycle
 Reuse
 Waste To Energy
- Incineration
 Landfill

Diversion Table (Jan – Dec 2023)

Method of Disposal	Quantity in MT	%
Recycle	314.05	94.01%
Reuse	8.66	2.59%
Waste To Energy	11.35	3.40%
Incineration	0.01	0.002%
Landfill	0	0%
Total diversion waste in percentage %		99.998%

THIRD-PARTY VERIFICATION OF ZWL

intertek
Total Quality. Assured.

CERTIFICATE OF VERIFICATION

Intertek does hereby certify that an independent assessment has been conducted on behalf of:

Rialto Enterprises Private Limited
and has been assessed and verified by Intertek to:

ZERO WASTE TO LANDFILL

Main Address:
100/2, Vandalur Kelambakkam Road, Melakottaiyur,
Chennai, Tamil Nadu, 600 127, India

Conformance Criteria:
Overall Scope: Zero Waste to Landfill diversion rate of at least 99%* is applicable to the Manufacture of Manual Tooth brush.
* Includes 3.4 % Waste-to-Energy

Certification Number:
ZWL-2024-08

Initial Verification Date:
30 March 2024

Date of Certification Decision:
30 March 2024

Certificate Issued:
01 April 2024

Certificate Valid Until:
29 March 2027


Calin Moldovean
President

Intertek Testing Services NA, Inc.
4700 Broadmoor, Suite 200,
Kentwood, MI, United States

In the issuance of this certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the agreed upon Certification Agreement. This certificate's validity is subject to the organization maintaining their system in accordance with Intertek's requirements for systems certification. Validity may be confirmed via email at certificate.validation@intertek.com.

The certificate remains the property of Intertek, to whom it must be returned upon request.
CT-ZWL_Verified-Unacc-EN-A4-14.03.23



Rialto received the “Zero Waste To Landfill Certification” from the Intertek in March 2024

**99.99 % of waste is diverted from Landfills,
*Includes 3.4% Waste to Energy**

Rialto

TANGIBLE BENEFITS

- **99.998% of** waste diverted from landfills resulted in no land pollution
- **100%** reusable packaging for incoming packaging domestic supplies
- Single-use plastic ban approx – 2.6 MT/annum
- Total savings/annum due to the above projects **is Rs. 121.5 lakhs/annum**
approx.

- Contribution to SDG 12 & 13
- Mitigation of negative environmental impact



INTANGIBLE BENEFITS

- Created a robust waste segregation system
- Motivation and awareness amongst the team help for the reduction in Maintenance consumables, RM & PM
- Resource conservation and waste reduction resulted in savings of resources for the people, and society.
- Established a robust system for the Recycler audit system
- The mindset of the people changed **from “Scrapyard” to “ Waste Management & Control yard”**

LIST CHALLENGES FACED AND STEPS TO OVERCOME

Category	Challenges	Steps taken to Overcome
People Related	Lack of Awareness – Cultural change among the employees / migrant employees	Detailed analysis of waste generation and Extensive training for the waste management team
	Lack of awareness about the latest recycling techniques	Attended several national & international workshops/summits to understand the latest recycling practices
		Approach our raw material/PM suppliers to understand how they recycle their waste
	No Major focus to waste projects implementation as the returns are less	KPI assigned to employees on waste reduction and material conservation
Systems Related	A well-established system available for Haz Waste Disposal (recycling & Documentation), not for Process waste	Tracking of waste and invoicing converted to SAP for better monitoring
	Waste data monitoring and reporting systems not robust	Separate tracker made and monitored monthly and reported to Leadership team during the monthly review
	No sufficient OCPs in the Aspect & impact & HIRA	Relevant SOPs were revised with suitable control methods and displayed across the factory
	Source Segregation of waste	Process stream wise waste generation identified
Bin Systems were introduced and educated housekeeping team for source segregation of waste		
Technology related	Limited recycling techniques	Network with IWMA and other waste recycling associations to identify the recyclers
	Identification of Recyclers	Approached our RM/PM suppliers to understand their approach
	Efforts towards paper less office - Digitisation technologies seems costly	Optimisation of paper completed, complete digitalisation of training records to be planned
	Technology related to recycling of Headcap, gloves, rubber band, MLP packets	Sent to Cement for Coprocessing
	Disposal of Biomass (tree fallings)	Inhouse vermicomposting made and resued as organic manure



AND OUR GREEN JOURNEY CONTINUES...