



SIGNIFICANCE

anaging waste efficiently is a key concern as a highway operator, especially given the substantial amount of waste produced in various segments of our operations. This encompasses everything from construction and maintenance debris and litter from road users to waste in our rest & service areas.

Recognising this challenge, we are deeply committed to managing waste effectively and responsibly, which is integral to our operational strategy. While Waste Management is categorised as a low-importance issue in our materiality matrix, our dedication to handling it environmentally underscores our broader responsibility towards ecological conservation and sustainable practices.

OUR APPROACH
WASTE MANAGEMENT

O1 SYSTEMATIC AND EFFECTIVE WASTE SEGREGATION

ADVANCING WASTE CIRCULARITY AND LANDFILL REDUCTION

At PROLINTAS, our waste management strategy has a dual focus: optimising efficiency and enhancing environmental sustainability.

This comprehensive approach begins with two primary elements:

01: Prioritising the meticulous sorting of various waste types at the source to ensure responsible management and disposal.

02: Emphasising increased recycling and repurposing to conserve resources and uphold the principles of a circular economy.



OUR PERFORMANCE

e monitor the effectiveness of our Waste Management initiatives by tracking key performance indicators, including the volume of municipal waste and scheduled waste generated on our highways and within our business operations.

Additionally, we measure the amount of waste recycled and repurposed for practical use along our highways and within our broader business activities.

WASTE GENERATED, DIVERTED AND DISPOSED (mt) **Type of Waste** 2020 2021 2022 2023 Non-Hazardous 414 447 457 363 Waste Scheduled waste 414 459 **Total Generated** 365 450 Recycled waste 36 37 60 37 % of total waste 10% 9% 13% 9% 421 Disposed waste 328 377 389 % of total waste 89% 91% 86% 91%

TOTAL WASTE
GENERATED FROM PROLINTAS OPERATIONS
(tonnes)



Breakdown of type of waste in FY2023:

- 1. Disposed Waste Mixed Waste (Highway & Office Operations) 275 tonnes, Branches 146 tonnes, Scheduled Waste 2 tonnes.
- 2. Recycled Waste Food Waste 1.8 tonnes, Paper 3.6 tonnes, Aluminium 0.02 tonnes, Plastic 0.429 tonnes, Scrap Metal 32 tonnes.

BREAKDOWN OF WASTE
DIVERTED AND DIRECTED TO DISPOSAL
(tonnes)





KEY HIGHLIGHT

FY2023:

37,850 kg of waste

diverted from disposal.

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Elevating Lives

Converging Communities

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rom the outset, we systematically segregate
our waste materials at the source into municipal
and scheduled waste. This approach optimises
our waste-handling processes, minimises the risk
of contamination through the safe disposal of
hazardous substances, and facilitates practical
recycling efforts.

2. MILLING WASTE



SOURCE & DESCRIPTION OF WASTE

Activity: Pavement Rehabilitation

 Debris from pavement rehabilitation activities such as resurfacing, patching and repairing.

PROCESSES:

- Waste collection by appointed contractor.
- · Waste disposal at landfill.

1. GENERAL WASTE



SOURCE & DESCRIPTION OF WASTE:

Activity: Daily Highway Operations

- Waste generated by operations staff at the administration building.
- Trash on highways discarded by road users.

PROCESSES:

- Provision of 3R bins at Office Buildings, RSAs & Lay-Bys.
- Routine waste collection by licensed contractors.
- · Waste disposal at landfill or recycled.

3. BIOMASS WASTE



SOURCE & DESCRIPTION OF WASTE:

Activity: Pruning

• Biomass from trimming trees and shruberry along highways to ensure road safety and visibility of traffic signs and signals.

Activity: Trimming Trees and Grass Cutting

• Trimming trees, mowing grass and shrubbery along highways

PROCESSES:

- Waste collection by appointed contractor.
- Waste disposal at landfill.





used in landscaping along our highways.

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ADVANCING WASTE CIRCULARITY AND LANDFILL REDUCTION

y intensifying our recycling efforts, PROLINTAS is steadily advancing towards a circular economy wherein waste materials are repurposed and reused instead of indiscriminately disposed of in landfills. These endeavours contribute to the conservation of finite natural resources and mitigate the impact of our operational activities, ultimately reducing our environmental footprint.



INITIATIVE 1 PROVISION OF FABRIC RECYCLING BIN



On 21 October 2022, we launched our first-ever recycling bins for textile recycling in collaboration with Kloth Cares, the first textile-recycling movement in Southeast Asia.



Sungai Balak Lay-By, Kajang SILK.



13,000 kg



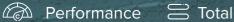
2023: 9,500 kg 2022: 500 kg













INITIATIVE 2 SCRAP METAL COLLECTION AND RECYCLING



Unused steel or metal structures from highway maintenance or the detritus from accidents are collected for recycling including guard rails, variable message sign (VMS) panels, air conditioning units, fire extinguishers and lantern lights.



All six highways.



Weight of scrap metal collected (kg) Total collected (RM)

2023 : 32,622 2023 : 66,768 2022 : 57,094 2022 : 101,685 2021 : 37,156 2021 : 56,865 2020 : 36,705 2020 : 2,460



INITIATIVE 3 FOOD WASTE COMPOSTER



Food composting helps to reduce the amount of organic waste generated by RSA tenants and road users, thereby reducing the waste for disposal at landfills. The food waste composter converts this waste into nutrient-rich compost, which are then used as fertiliser for landscaping.



Both bounds of RSA Elmina, GCE.



Weight of food waste Fertiliser produced composted (kg) (kg) 2023: 1.080 2023 : 216

2022: 630 2022 : 126 2021: 700 2021 : 140

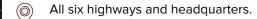
*Note: Every 100 kg of food waste yields approximately 20% (20 kg) of fertiliser.





INITIATIVE 4 3R BINS FOR RECYCLING





| Paper (kg) | Tin (kg) |
|------------|----------|
| Paper (kg) | Tin (kg |

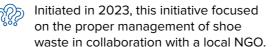
2023:3,600 2023:20 2022:2.428 2022:13 2021: 86 2021: 0

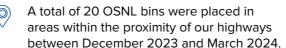
Plastics (kg) Total collected (kg)

2023:429 2023:4,049 2022:495 2022:2,936 2021: 0 2021: 86

INITIATIVE 5 OLD SOLES NEW LIFE (OSNL)

PROLINTAS ESG-BASED

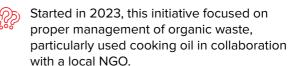




Total collected (kg)

2023: 273 Shoes Collected

INITIATIVE 6 CIRCLE PROGRAMME



1. Kampung Sg Balak, Kajang. 2. PPR Sri Jelatek.

Total collected (kg)

2023:12 of used cooking oil upcycled to soaps.



GOING FORWARD

ROLINTAS will remain dedicated to advancing our waste management practices. We will focus on sustainability, innovation, and collaboration to minimise waste, increase recycling, and promote a circular economy. We aim to continuously improve processes, reduce environmental impact, and positively impact the communities we serve.

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