

Financial Funding Proposal to Rotary Club: 29th August 2025.

Project Title: Community Plastic Management

Requested Amount: \$4,500 USD per village

Project Duration: 12 Months (Extendable)

Implementing Partners:

- Rotary Club Mataram
- Harvest Plastic
- DEWA Batara
- GEO Trash Management (GTM)

I. Executive Summary

GTM and Harvest Plastic have developed a collaborative initiative with Rotary Club Mataram to address plastic pollution in Lombok, Indonesia, by enhancing waste collection systems, empowering women, and promoting environmental and public health.

The Community Plastic Management (CPM) project will expand existing efforts to engage as many villages as we can raise money for with a target of 12 villages across 6 districts, engaging 10,000 participants to reduce open burning, improve recycling rates, and convert 145+ tons of non-recyclable plastics into new resources.

The project will become a new part of Rotary's End Plastic Soup campaign, a global environmental project for Rotary to solve the plastic pollution problem. This partnership aligns with Rotary's focus on environmental sustainability, economic development, and gender equity, with an emphasis on community education, women's leadership, and scalable solutions.

The roles of implementing partners are as follows;

Rotary Club;

Promotion, Community sponsorship and network development.

Harvest Plastic;

Delegate Training, event coordination, record keeping, community education.

GEO Trash Management;

Plastic collection, transport, recycling plant operations, data recording.

DEWA Batara;

Recycling Facility Development, Local Government liaison.

II. Project Objectives

1. **Expand Reach:** Enroll 12 new villages, increase collection to 2 per month per village.
2. **Boost Participation:** Raise community engagement targeting 10,000 participants.
3. **Reduce Pollution:** Divert 50+ metric tons of plastic from open burning and landfills annually, recycling 28+ tons into Plastic Pyrolysis Oil and 22 tons to conventional recycling facilities in Java.
4. **Empower Women:** Train 200+ women as leaders in waste management and community education.
5. **Promote Health & Environment:** Mitigate respiratory illnesses caused by burning plastics and reduce CO2 emissions through community plastic management practices.

III. Project Description

A. Methodology

1. Community Education & Training Sessions

The CPM structure starts with a 3 day education program run by Harvest Plastic for 10 community delegates. The program starts with a day of theory lessons conducted at the local university focusing on the issues created by plastic pollution and the impacts on air, water, land and human health. Next the hows, whys and when's of the collection framework structure are discussed. Day 2 involves site visits to the waste management center where delegates learn how the plastics are recycled. Day 3 is conducted in their village where the delegates practice managing the events and plan out the community engagement strategy. The community allocates a suitable area according to the village leadership for the participants to gather on the days when the plastics are collected.

2. Community Expose & Infrastructure

The village delegates then hold an event to explain the process clearly with the 10 delegates working to make the program clear and easy to follow. In some cases the plastic will need to be stored so the community will decide on a location and contribute what they can in building materials. Each household is then issued a large sack for their plastic collection so the plastic can be gathered over a period of time decided by the community delegation.

3. Collection Event

When the community is ready the collection event is engaged, managed by Harvest Plastic and the delegates. \$100 USD is divided into 36 cash prizes. Tickets are distributed by Harvest Plastic in exchange for 2 kg of plastic delivered by participants. If the participant delivers 6 Kg of plastic they receive 3 tickets.

4. **Dual Incentive System**

All the community gathers after the plastic has been collected. The tickets are drawn at random and prizes are distributed to the winner's, generation allot of excitement and fun for the community. The cash prizes can be sponsored by local business or government organizations who would also attend the day. Participants who don't wish to enter the raffle can sell their plastic directly to GTM for IDR 2,000 per Kg (\$0.12 USD). The plastic is collected and transported to GTMs recycling facility by GTMs team.

- **Lucky Draw Prizes:** 36 participants in each event receive cash prizes to sustain motivation.
- **Direct Cash Option:** Participants may opt to sell plastics (\$0.12 USD/kg) to GTM, ensuring equitable economic benefits and addressing potential discouragement from not winning anything in the prize pool.

5. **Sorting & Recycling**

Finally, the plastic is sorted at GTMs facility where high value plastics are baled and sent to mechanical recyclers and low value residual plastics are converted into Plastic Pyrolysis Oil (PPO) by GTM to be exported and refined, producing new products and chemical resources.

6. **Current Progress**

- 6 villages enrolled (3 districts), 3,000+ participants, 150 volunteers.
- 25% participation rate demonstrates scalability potential.
- Average of 650kg plastic per week to GTMs facility.
- 1 warehouse for plastic storage already operational
- 1 Pyrolysis machine with a capacity of 2,800 Tons per week being relocated for full time operations.
- 1 new warehouse and recycling facility being developed by DEWA & GTM with a capacity of 80 Tons per week.

7. Anticipated outcomes & Benefits

a. Benefits to Women

- **Leadership Development:** Women trained as educators and project managers, enhancing social and economic agency.
- **Economic Opportunities:** Income from direct plastic sales or prize incentives.

b. Health Improvements

- **Reduced Open Burning:** Lower incidence of respiratory diseases linked to toxic fumes, reduced ground water pollution, soil and food chain contamination from micro plastics and plastic smoke fallout.
- **Cleaner Communities:** Improved sanitation and reduced plastic litter in villages.

c. Environmental Impact

- **Waste Diversion:** 145+ tons/year plastic repurposed.
- **Carbon Reduction:** Reduced open burning cutting CO2 emissions.

IV. Budget Breakdown for each new village enrollment (250 – 400 households)

Category	Cost (USD)
Harvest Plastic Community Education & Training for 10 delegates	\$2,000
Collection bags, storage Infrastructure & Tools	\$1,500
Incentives (Prizes / Cash Payments X 5)	\$500
School plastic collection cage for class competition	\$400
Administrative Costs	\$100
Total	\$4,500

V. Sustainability & Scalability

- **Revenue Streams:** Once established the continued plastic collection and purchasing operations will be sustained from sales of recyclable plastics and PPO revenues, the first 5 collections are covered in the budget above.
 - **Local Ownership:** Women-led teams ensure continuity beyond the project period.
 - **Partnerships:** Collaboration with District Governments and Rotary networks to replicate the model.
 - **Sponsorship:** Local commercial partnerships to sponsor event costs and prize pool contributions in exchange for media space and activities.
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VI. Conclusion

This initiative offers a holistic solution to plastic pollution while advancing Rotary's priorities in health, environmental stewardship, and gender equity. With Rotary's support through their End Plastic Soup Campaign we will empower Lombok's communities to build a cleaner, healthier, and more sustainable future.

Contact Information:

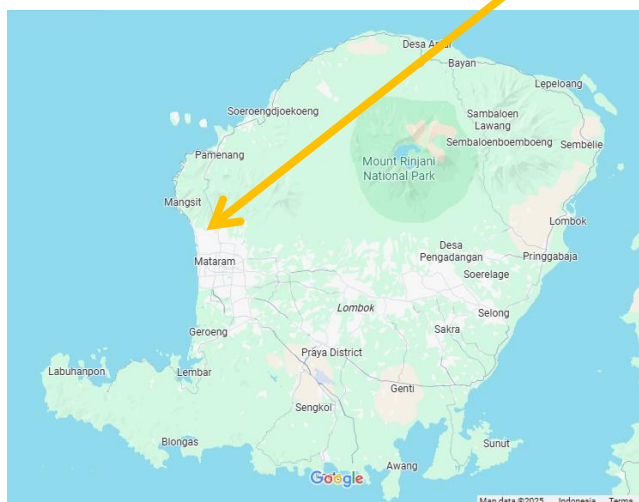
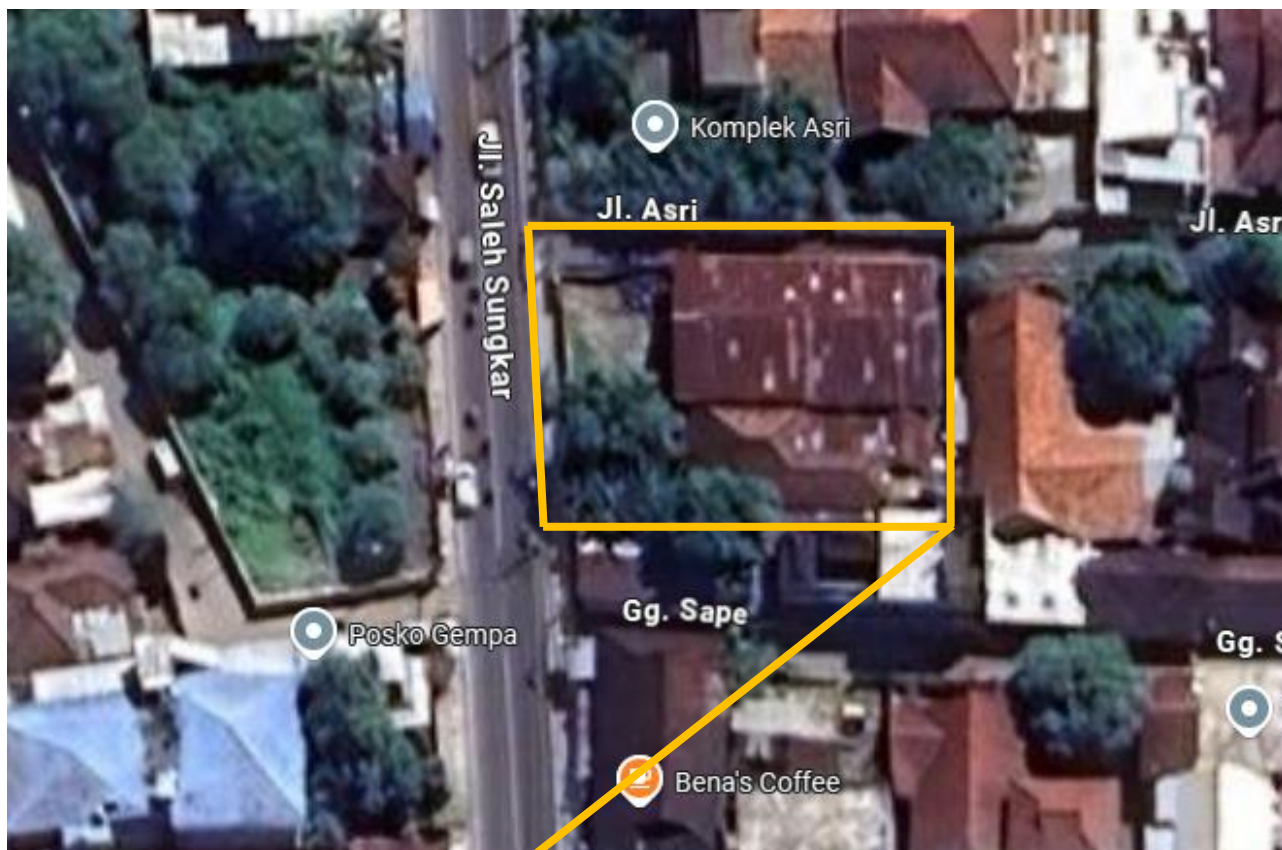
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Location of Current Warehouse



Location of New Facility

