



# Clean Kerala Company Limited

A Government of Kerala Undertaking

No: E1/3848/GENERAL/CKCL/2025

Dated: 06/11/2025

## Notice Inviting Tender

**Sub: Invitation for Expression of Interest (EOI) for Enhancement of the Plastic Recycling Plant to a Capacity of 10 Tons per day of Granules and Lumps.**

**and**

**Recyclers who recycle waste materials collected by the Haritha Karma Sena of Clean Kerala Company**

Organization Name : Clean Kerala Company Limited

Organization Address : Clean Kerala Company Limited, TC-29/1732, Second Floor, State Municipal House, Vazhuthacaud, Trivandrum – 10

Name of Plant : Integrated Plastic Waste Management Facility, Pathanamthitta

Location of Plant : KINFRA Park, Kunnamthanam, Pathanamthitta

Date of Issue : 06/11/2025.

**Last Date of Submission: 05/12/25.**

### Introduction

Clean Kerala Company Limited invites, Expression of Interest (EOI) from eligible and experienced parties to establishment and operation of additional recycling machineries, apart from the existing recycling machines, at IPWMF at Kunnamthanam - Pathanamthitta for enhancing the plant capacity to 10 Tons of granules and lumps. The selected party will be responsible for the day-to-day operations, maintenance and management of the plant. The parties must visit the plant before submitting interest.

Clean Kerala Company Limited also invites, Expression of Interest (EOI) from eligible and experienced Recyclers who recycle waste materials collected by the Haritha Karma Sena of Clean Kerala Company Limited.

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**I. parties to establishment and operation of additional recycling machineries for Enhancement of the Plastic Recycling Plant to a Capacity of 10 Tons per day of Granules and Lumps:**

**Scope of Work**

The Scope of work includes, but is not limited to:

- Establishment and operation of additional recycling machineries, apart from the existing recycling machines, at IPWMF at Kunnamthanam.
- Operating and maintaining the plastic recycling plant including Electricity, Water Charges and all other incidental expenses.
- Managing the feedstock supply chain.
- Ensuring compliance with environmental regulations.
- Meeting the quality standards for the recycled products.
- Raw material will be provided by CKCL.
- Maintain the quality of the machineries and ensure standard operating procedure.
- Safety precautions should be followed as per standards.
- Skilled labours should be engaged for operating the plant.
- Ensure marketing of recycled product (Granules).
- Create awareness and promote the plastic recycling plant's services to attract customers, increase and contribute to a sustainable environment.
- Plant is an ideal model and open to public, hence cleanliness is important.
- Arrange proper schedule for day and night shifts.
- Guidelines for machine maintenance and plant operation will be provided by machine manufacturer and CKCL.

**Details of Machineries given below,**

**1.Extruder**

150 mm screw barrel (22:1 ratio) EN 41-b material honing gas nitriding finished,

250 Cd helical gear box (Shiv Shakti),

60 HP motor ABB/BBL/CGL make,

8zone pyro control panel with ceramic bend heater +AC drive (INVT/DELTA),

300 mm screen changer, hydraulic type lumps die (Khodiyar Industries), with 7.5 HP power pack and sensor.

Auto cutting system with 2 hp gear motor with conveyor belt with water shower system.

Fabricated stand with covering, V” belt pully etc.

3 hp belt cover for material loading to machine hopper.

160 mm screw force feeder 7.5 hp motor with AC drive.

## **2.AGGLO Machine**

30” drums MS 12 mm profile plate material drums, heavy duty bearing housing (32220/6318 ZKL/ SKF), fabricated stand with covering 16 blades are under the machine 10 is fix the drums, 6 is moving the rotor. Rotor is heavy duty profile plate 75 hp motor (ABB/BBL/CGL make) & **V-belt pulley** and related accessories etc,1 bled set Extra including.

## **3. PLASTIC DUST CLEANING MACHINE**

6 ft length × 4 ft width × 4 ft height

2 mm MS plate body structure, rotor is blower type design with heavy pedestal bearing, 5 HP motor (ABB/BBL/CGL) with stater V belt pully etc.

### **Eligibility Criteria**

To be eligible, the bidder must:

- Have a minimum of 5 years of experience in operating plastic recycling plants.
- Have a proven track record of successful operations and maintenance.
- Meet the financial eligibility criteria as specified in the scope of work.
- Maximum yearly turnover will be 5 crores.

3. Maintain storage areas that prevent contamination, mixing of materials, and environmental hazards.

**4. Processing and Recycling**

- Carry out recycling, reprocessing, or recovery operations using approved and environmentally compliant technologies.
- Ensure conversion of waste materials into usable products, raw materials, or energy.
- Maintain compliance with pollution control standards.

**5. Documentation and Reporting**

- Maintain accurate records of materials received, processed, and dispatched.
- Provide monthly/periodic reports to CKCL on recycling quantities, outputs, and disposal of rejects.

**6. Compliance with Legal and Environmental Norms**

- Adhere to Central and State Pollution Control Board norms.
- Possess and maintain valid licenses/authorisations required for recycling operations.
- Ensure safe disposal of non-recyclable residues as per regulations.

**7. Health, Safety, and Environmental Protection**

- Implement safety measures for workers handling waste materials.
- Ensure the recycling process does not cause water, air, or soil pollution.
- Follow occupational health standards and proper PPE usage.

**8. Quality Assurance**

- Maintain quality in processed materials/products.
- Ensure that recycled outputs meet industry standards or buyer specifications.

**9. Logistics Coordination**

- Coordinate with CKCL for scheduling deliveries of waste materials.
- Ensure timely processing and avoid backlogs.

**10. Support for Circular Economy Initiatives**

- Cooperate with CKCL in promoting recycling-based products and sustainable waste management practices.

### **Criteria for Labours**

- Chief Supervisor having more than 5 years Experience in the plastic recycling field with qualification of ITI/Diploma in the relevant field.
- Electrician with more than 5 years Experience in Industries with qualification of ITI/Diploma in the relevant field.
- Fitter/Mechanic with more than 5 Years Experience in Industries with qualification of ITI/Diploma in the relevant field.
- Sufficient casual Labours for assisting and cleaning etc.

### **Financial Criteria**

- Mention the profit share details in accordance with daily production based on quality and quantity.

Machine manufacturer and CKCL.

**Document to be Submitted:** Previous Experience Details, GSTIN, Proof of License & Registration etc.

## **II. Recyclers who recycle waste materials collected by the Haritha Karma Sena of Clean Kerala Company.**

### **Scope of Work for Recyclers**

#### **1. Collection and Receipt of Waste Materials**

- Receive segregated recyclable waste materials collected by Haritha Karma Sena through Clean Kerala Company Limited.
- Acknowledge receipt of materials as per the quantity and category.

#### **2. Proper Handling and Storage**

- Ensure safe unloading, handling, and storage of all waste materials at the recycler's facility.

- Participate in awareness, research, or innovation initiatives when requested.

## **Eligibility Criteria for Recyclers**

### **1. Experience in Recycling Operations**

- The Recycler must have a **minimum of 3–5 years of experience** in recycling, reprocessing, or handling waste materials.

### **2. Valid Licenses and Authorisations**

- Must possess valid **Pollution Control Board (PCB) authorization** for recycling/processing waste.
- Must hold all statutory registrations such as **GST, PAN, and Factory/Trade license** (as applicable).

### **3. Recycling Facility Requirements**

- Must have a fully functional recycling facility with adequate **machinery, manpower, and infrastructure** to process the waste supplied by CKCL.
- Should follow **standard safety and environmental practices**.

### **4. Financial and Operational Capability**

- Should demonstrate financial stability (e.g., audited financial statements for the past 2–3 years).
- Must have the capability to manage **consistent waste processing volumes** without delays.

### **5. Compliance with Environmental Norms**

- Must adhere to **Central and State Pollution Control Board** regulations and guidelines.
- Should follow environmentally responsible disposal methods for rejects or residual waste.

### **6. Proven Track Record**

- Must have a **proven record of successful recycling operations**, supported by work orders, certificates, or performance reports.

**7. Documentation and Reporting Ability**

- Should be capable of maintaining proper records of materials received, processed, and dispatched.
- Must provide monthly/periodic reports to CKCL.

**8. Legal Standing**

9. The applicant should not be blacklisted by any Government department, PSU, or statutory body.
10. Must not be involved in any pending legal disputes related to environmental violations.

**Document to be Submitted:** Previous Experience Details, GST, PAN, and Factory/Trade license GSTIN, Proof of License & Registration etc



  
Managing Director

**Managing Director**  
Clean Kerala Company Limited  
Thiruvananthapuram - 10