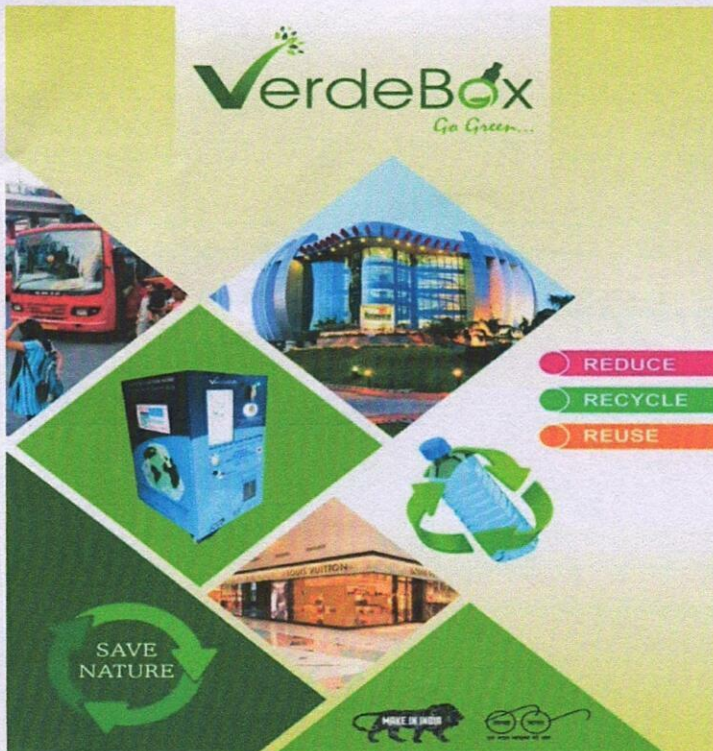


# Project-3



**VerdeBox**  
Go Green...

**About Us**

- To grow up and counter this global menace of plastic waste locally we need sustainable solutions. We at VerdeBox provide an entire eco-system by introducing our VerdeBox a first of its kind in Karnataka.
- The cost effective recycling machine that anybody can use to dispose PET bottles effectively. Built, using cutting-edge technology, these sturdy machines provide clients with an unmatched user-friendly experience and consistency in smooth operations.
- The VerdeBox being installed at major public spaces will be the answer to the global menace.
- To maintain high levels of quality in our products we employ innovative research and technology development in our processes for application of complete solution.

**Why Public will Use?**

- Every user gets rewards for taking step towards recycling.
- Rewards are in form of:
  - Cashless Shopping Coupons, Compost Cardback etc.
- This will encourage Public to Use Machine regularly and avoid Littering.

**BENEFITS**

- The project tends to benefit all the parties involved, more importantly it benefits the environment.
- Reduces landfills and increases recycling rates.
- Immediate reward for users on returning containers, motivating repeated use.
- Provides prominent advertising space for your product/service, enhancing your visibility and outreach.
- Produces reusable, recycled material and generates employment.

## Purchase and Installation of Plastic PET Bottle Crushing Machine in Kappattagudda Wildlife Sanctuary

**HOW THIS MACHINE WORKS**

Individuals need to simply insert an empty plastic bottle and the conveyor inside the machine carries the bottle to the shredder. Once the bottle is crushed the machine then gives out a discount coupon to the user. For the compact versions of these machines the plastic bottles need to be dropped into the specified slot and it will be shredded.

**VerdeBox Smart**

**VerdeBox RVM**

**VerdeBox COMPACT**

**ECO SYSTEM FOR RECYCLING**

**IMPACT OF ONE MACHINE**

- 7.2 billion tonnes of hazardous waste generated can be recycled.
- 85% volume reduction
- Reduction in transportation hence saving in fuel and carbon dioxide emissions
- 10 Lakhs plastic bottles can be crushed annually.
- 12 cubic yard of landfills can be saved per year.

**VerdeBox**  
Go Green...

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Cell : 7799510338, 9886522226

(Compiled for submission under Karnataka Forest, Wildlife & Climate Change Foundation (KFWCCMF) CSR Funding)

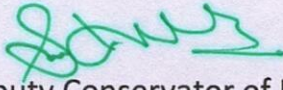


## IN BRIEF

Sector	Wildlife		
Name of the Project	Purchase and Installation of Plastic PET Bottle Crushing Machine in Kappattagudda Wildlife Sanctuary		
Proposal submitted by Unit	Kappatta Hills Range,Mundaragi, Gadag Forest Division		
Total Project Cost (Rs. In Lakhs)	19.00 Lakh		
Coverage/Area (in Ha) & Forest Block	Doni Fsy.No.154, Extent: 01Acre Kappatta Hills Range Forest Area		
Project Duration- In Years	2025-26 One Year		
Project Implementing Agency: Department/Funding Agency	Karnataka Forest Department - Gadag Forest Division		
Objective of the Project	<div><div></div><div><ul style="list-style-type: none"><li>To reduce plastic waste in Kappattagudda Wildlife Sanctuary through on-site crushing and recycling.</li><li>To provide a user-friendly system for visitors and staff to dispose of PET bottles responsibly.</li><li>To demonstrate eco-friendly practices and strengthen the sanctuary's sustainability initiatives.</li></ul></div></div>		
Output Quantity) (Activities/	Activity	Output	Quantity
	Procurement of PET bottle crushing machine	Heavy-duty machine purchased	1 unit
	Installation & Site Preparation	Machine installed with electrical connections	1 site
	Awareness Signage	Public information boards installed	3 boards
	Staff Training	Operational and maintenance training provided	5 staff members
	Waste Collection & Crushing	PET bottles collected, crushed, and sent for recycling	Approx. 500 kg/month
Justification/ Essentially	Improper disposal of plastic bottles can lead to ingestion by wildlife, soil contamination, and water pollution. A PET bottle crushing machine ensures collected bottles are compacted for easy transportation to recycling facilities. This initiative will:		



	<ul style="list-style-type: none"> <li>• Prevent harm to wildlife caused by plastic ingestion.</li> <li>• Minimize the environmental footprint of tourism.</li> <li>• Enhance the sanctuary's image as a model for eco-friendly practices.</li> </ul>
Outcome (3measurable outcomes)	<ul style="list-style-type: none"> <li>• <b>At least 70% reduction</b> in visible plastic waste in visitor areas within one year.</li> <li>• <b>100% of collected PET bottles</b> processed for recycling instead of disposal.</li> <li>• <b>Increased visitor awareness</b> on waste management, measured through feedback forms.</li> </ul>
Whether, the proposed project is as per approved/proposed Management plan/Working Plan	YES

  
 Deputy Conservator of Forests,  
 Gadag Division, Gadag



# PROJECT NOTE

## 1. Introduction

Plastic waste, especially discarded PET bottles, poses a significant threat to the ecological balance of protected areas. In Kappattagudda Wildlife Sanctuary, the increasing number of visitors and nearby activities has contributed to plastic littering, which harms wildlife and pollutes natural habitats. To address this, the installation of a PET bottle crushing machine will promote proper waste management, encourage recycling, and support the sanctuary's conservation goals.

## 2. Need for CSR Intervention

Under Schedule VII (iv) of the Companies Act, 2013, CSR initiatives related to environmental sustainability and ecological balance are eligible for funding. This project aligns perfectly with those objectives by:

- Reducing plastic pollution within the sanctuary.
- Promoting responsible waste disposal and recycling.
- Raising awareness among visitors about the importance of environmental conservation.

## 3. Objectives

- To reduce plastic waste in Kappattagudda Wildlife Sanctuary through on-site crushing and recycling.
- To provide a user-friendly system for visitors and staff to dispose of PET bottles responsibly.
- To demonstrate eco-friendly practices and strengthen the sanctuary's sustainability initiatives.

## 4. Justification

Improper disposal of plastic bottles can lead to ingestion by wildlife, soil contamination, and water pollution. A PET bottle crushing machine ensures collected bottles are compacted for easy transportation to recycling facilities. This initiative will:

- Prevent harm to wildlife caused by plastic ingestion.
- Minimize the environmental footprint of tourism.
- Enhance the sanctuary's image as a model for eco-friendly practices.

## 5. Proposed Works

- Procurement of one heavy-duty PET bottle crushing machine.
- Installation at a strategic location within the sanctuary's visitor zone.
- Awareness signage for public usage.
- Training of staff for operation and basic maintenance.



## 6. Expected Outcomes (Measurable)

- **At least 70% reduction** in visible plastic waste in visitor areas within one year.
- **100% of collected PET bottles** processed for recycling instead of disposal.
- **Increased visitor awareness** on waste management, measured through feedback forms.

## 7. Implementation & Monitoring

The Karnataka Forest Department will execute the project and maintain the machine. Monthly usage logs and waste collection data will be submitted to the CSR partner.

## 8. Conclusion

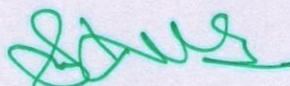
Your CSR support for the PET bottle crushing machine will directly contribute to a cleaner, healthier environment in Kappattagudda Wildlife Sanctuary, setting a benchmark for sustainable tourism in protected areas.



## LINE ESTIMATE

Component	Description	Estimated Cost (INR)
PET Bottle Crushing Machine	Two Heavy-duty, eco-friendly model	18,00000.00
Installation & Site Preparation	Electrical connections and mounting	50,000.00
Awareness Signage	Eco-awareness display boards	20,000.00
Staff Training & Safety Gear	Operation & maintenance training	15,000.00
Miscellaneous	Transport, contingency	15,000.00
<b>Total Estimated Cost</b>		<b>₹19,00,000.00</b>

*(Rates are indicative; actual procurement will follow Government e-Procurement norms.)*



Deputy Conservator of Forests,  
Gadag Division, Gadag