

CII –National Award for Environmental Best Practices -2024

HINDALCO INDUSTRIES Ltd – BELAGAVI

Presented By:
 1) Santoshkumar Yellapurkar.
 2) Arati Sapkal.
 3) John Taluri.

OUR PURPOSE:
 We manufacture materials that make the world Greener, Stronger and Smarter

Hindalco Industries Limited

1

Company Overview

Aluminum & Copper

- 47 manufacturing units across 10 countries anchored by a 37,000 strong workforce
- World's largest aluminum company by revenue
- Serving core industry sectors of automotive, building & construction, electrical, packaging, among others
- Around 76% of total sales are outside India.
- One of the largest single-location copper smelters in the world with integrated port facilities
- Catering to wire, cable, transformer industries. Also manufactures fertilizers and precious metals.

Specialty Alumina Overview

- Leading manufacturer of Non-Metallurgical alumina in the World focus on Value-added Product & moving towards Super VAP.
- Two manufacturing sites in India i.e., Belagavi & Muri.
- Customers spread across 42 countries across the globe
- Key market segments include Ceramics, Refractories, Water treatment chemicals, glass and abrasives.

2

Waste Management and Recycling



❑ **Project:**
Project SAAHAS for Municipal Solid Waste Management (Recycling and Reuse)



❑ **Category:**
Waste Management and Recycling

❑ **Name of organization:**
Hindalco Industries Limited Belagavi Works



3



TRIGGER POINT -

- Systematic handling of municipal solid waste (MSW) generated across the township of industry by adopting environment friendly mechanism in line with ESG Commitment.
- To achieve ESG target of Zero Waste To Landfill By 2024 .



UNIQUENESS OF THE PROJECT -

- Its new concept, it covers entire gamut of value chain from segregation at source to processing each waste category.
- Its new application wise also, it extended to handling of foliage waste

Objectives



OBJECTIVES -

- To achieve Zero waste to landfill by 2024.
- Adherence towards sustainable goal in sink with MSW handling rules.



4



5

ABOUT PROJECT

ADITYA BIRLA HINDALCO

Project SAAHAS for Municipal Solid waste management. The main objective of this project is to develop a sustainable waste management solution to achieve the goal of ‘zero waste’ by focusing on waste recovery and recycling- Value from Waste.

- ✓ Collection of waste at source.
- ✓ Segregation of waste in different categories.
- ✓ Processing of waste.

Project Capex- 45 Lac
Project Opex – 35 Lac per year

Equipment installed at Project SAAHAS

- Vessel Composter
- Dry Waste Sorting Table
- Wet Waste Sorting Table
- Weighing machine
- Mulching units

Quantity of waste generated per day
550 kg -600 kg
Dry waste 60% and wet waste 40%

Segregation And Processing

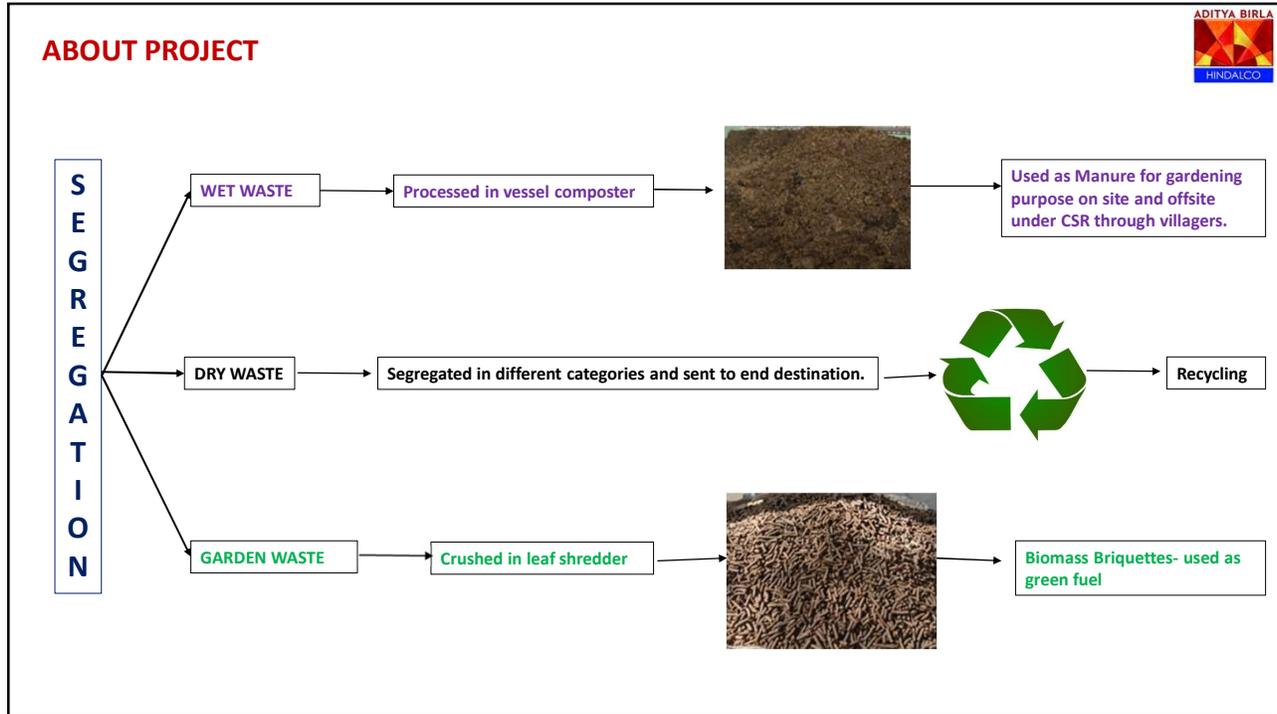
Project Inauguration By BH, Mr. Saurabh Khedekar on 1st August 2023

Awareness Program on waste segregation to colony residents.

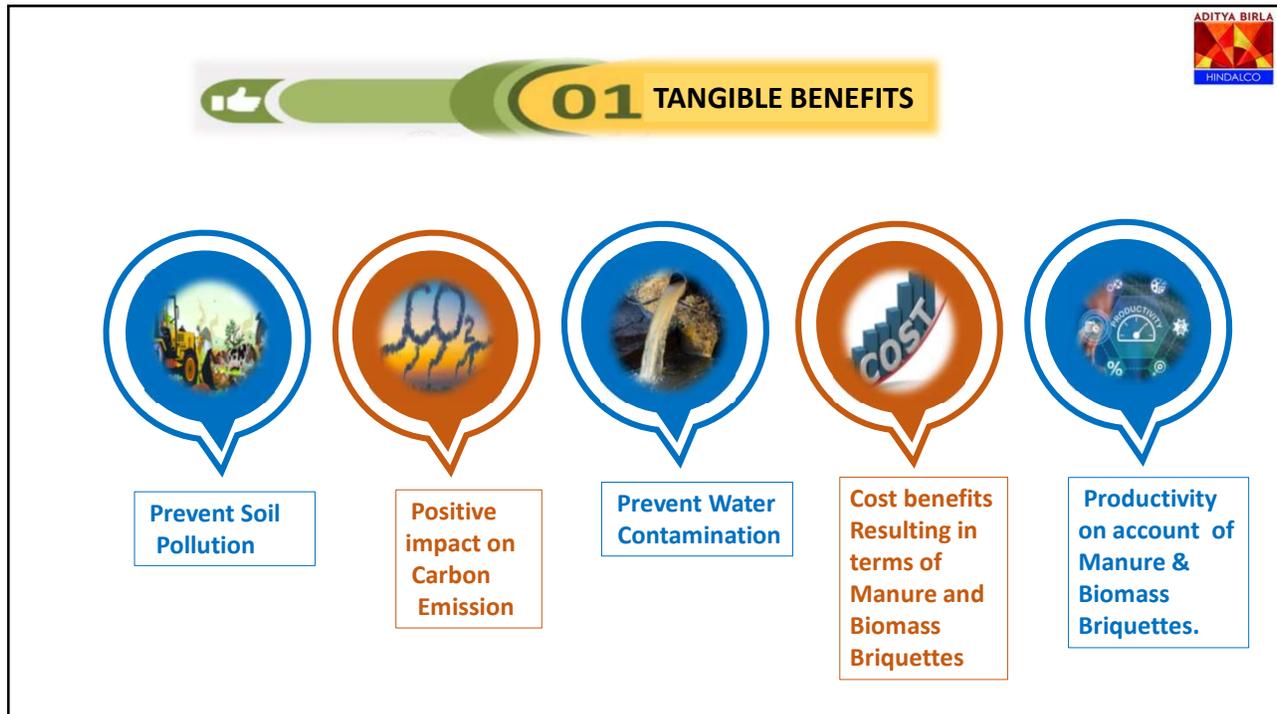
Distribution of dustbins to colony residents.

Door to Door collection of waste on daily basis.

6



7



8



INTANGIBLE BENEFITS 02



**Community benefits-
Health and hygiene of
peripheral community**



**Attitude and
Perspective shift**



**Waste handling and
management skill of
township residence.**

9



REPLICATION POTENTIAL



Yes, This project has enormous replication potential within the company and outside the company .

This project has the replication potential within the company, already replicated at –Hindalco Muri unit.

Within the company



- Municipal Solid waste management unit at Muri.
- Replication of Belagavi Unit.

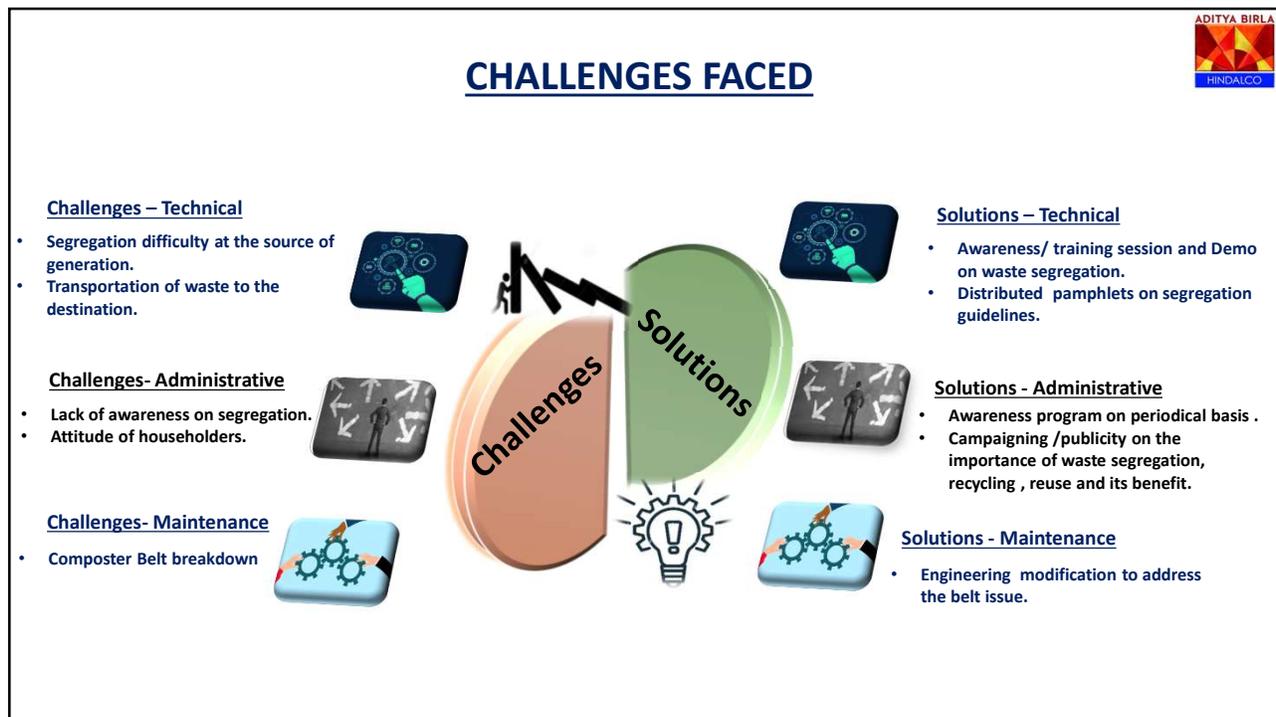
This project has the replication potential within the sector- Under process at Hindalco Dahej Unit..

Within the Sector

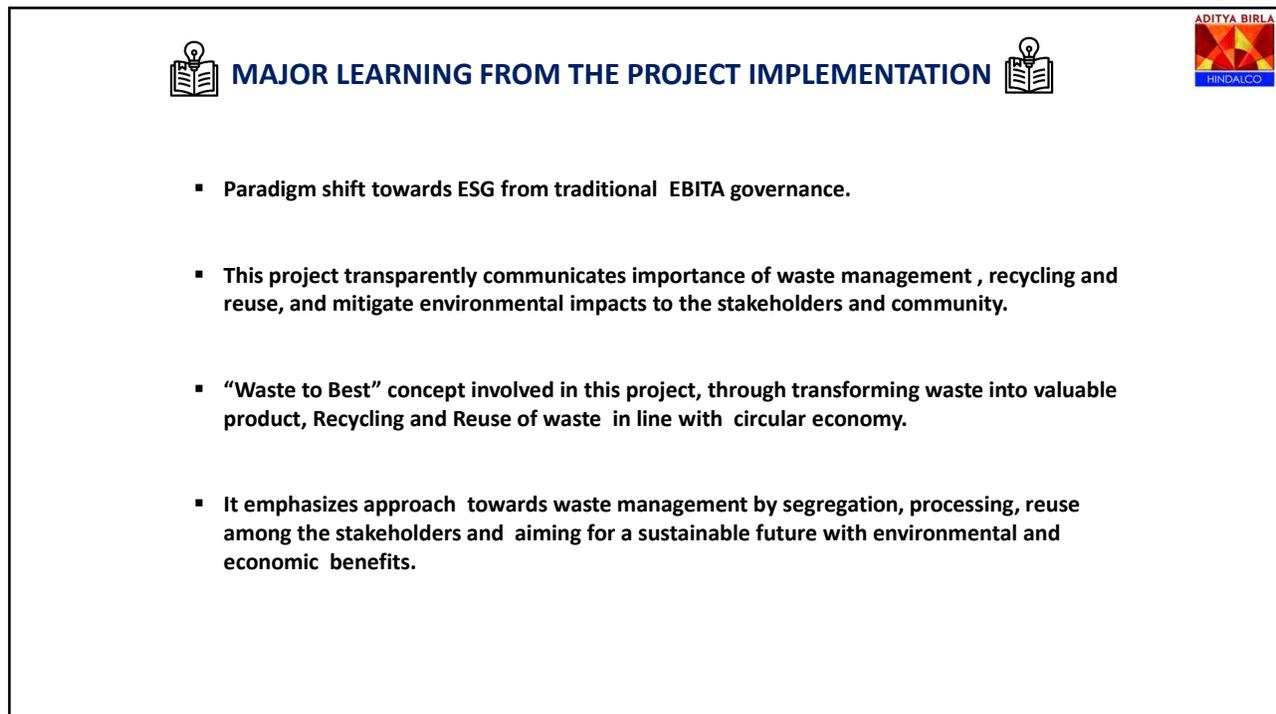
This project has the replication potential outside the company, already replicated in the state of Goa

Outside the company

10



11



12



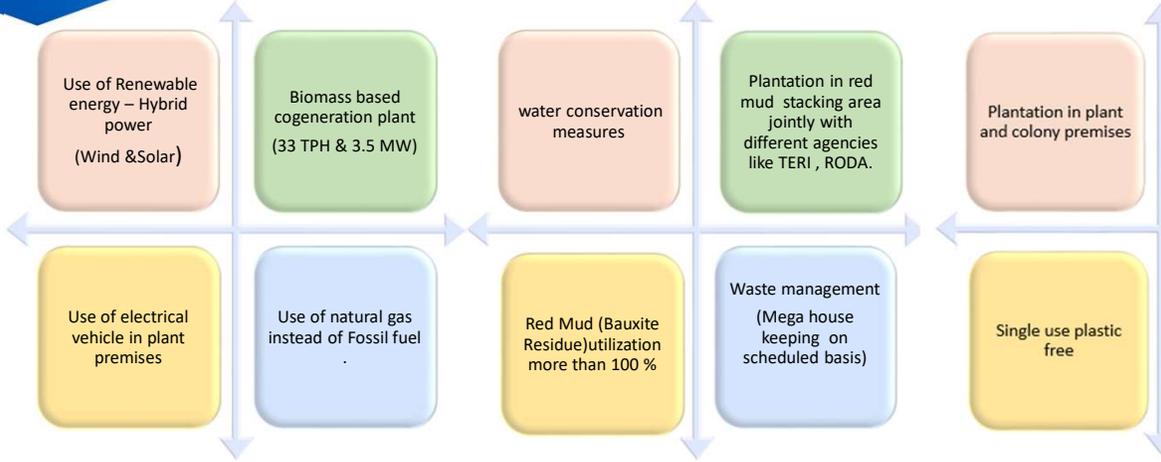
MUNICIPAL SOLID WASTE SCENARIO / BENCHMARK

| | |
|--|---|
| <div style="background-color: #f4a460; padding: 5px; text-align: center; color: white; font-weight: bold;">Municipal Solid Waste Scenario in India</div> | <div style="font-size: 2em; color: #f4a460; margin-right: 10px;">➤</div> <div style="border: 1px solid black; padding: 5px;"> <p>➤ In INDIA Approximately 62 million tons (MT) of municipal solid waste generated in a year as per report of TERI (Energy and Resource Institute)</p> <p>➤ Out of that only 80 to 83% waste collected and less than 30% waste treated.</p> </div> |
| <div style="background-color: #f4a460; padding: 5px; text-align: center; color: white; font-weight: bold;">Municipal Solid Waste Scenario in Karnataka</div> | <div style="font-size: 2em; color: #f4a460; margin-right: 10px;">➤</div> <div style="border: 1px solid black; padding: 5px;"> <p>➤ In Karnataka state 11044 Tons municipal solid waste generated per Day.</p> <p>➤ Out of generation only 55% Wet waste and 44-45% Dry waste processed.</p> </div> |
| <div style="background-color: #f4a460; padding: 5px; text-align: center; color: white; font-weight: bold;">Municipal Solid Waste Scenario in Hindalco Belagavi</div> | <div style="font-size: 2em; color: #f4a460; margin-right: 10px;">➤</div> <div style="border: 1px solid black; padding: 5px;"> <p>➤ In Hindalco Belagavi 1 - 1.5 Tons per day Municipal solid waste generated. and it goes to landfill.</p> <p>➤ After implementation of this project 100% waste processed.</p> </div> |

13







14