

ZERO DUMP YARD TAMIL NADU

Waste Processed Within 24 Hours

**No Waste into Rivers
No Waste on Streets
No Dump Yards**

PRESENTED BY



MAK India Limited



TAMIL NADU AT A CROSSROADS

⚠️ Current Challenges

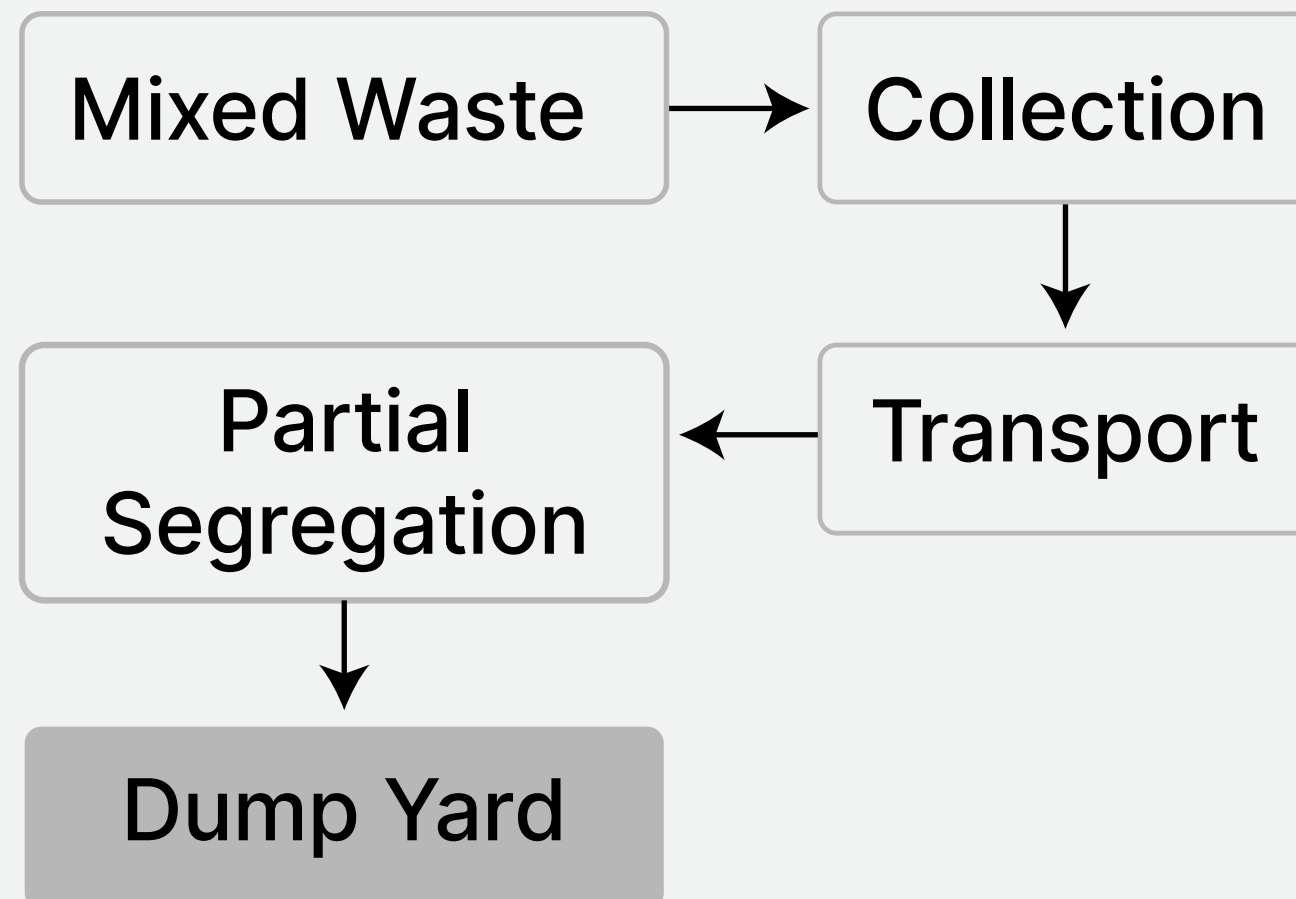
- ✓ Increasing waste generation
- ✓ Overflowing dump yards
- ✓ River pollution
- ✓ Street dumping
- ✓ Methane emissions
- ✓ Public health risks
- ✓ Land scarcity
- ✓ Rising SWM costs

“Tamil Nadu deserves a scientific and sustainable solution.”



WHY THE CURRENT SYSTEM FAILS

Existing Waste Management System



Major Problems

- ✓ Segregation almost impossible
- ✓ Wet waste contaminates dry waste
- ✓ Huge transportation burden
- ✓ Leachate contaminates groundwater
- ✓ Methane causes fires and GHG
- ✓ Increasing dump yard requirement
- ✓ Public opposition increasing

TAMIL NADU SOLID WASTE STATUS

CATEGORY	APPROX TPD
Chennai GCC	5000
Other Corporations	7600
Town Panchayats	2000
Total TN Waste	14,600 TPD

Estimated Current Expenditure: ₹2500–₹4000+ Crore/year

Yet dump yards continue to grow.

MAK MSMS VISION

“Waste to Wealth within 24 Hours”

- ✓ Segregation at source
- ✓ RED & GREEN waste system
- ✓ Zero dump yard
- ✓ No river dumping
- ✓ No street dumping
- ✓ Scientific processing
- ✓ Circular economy model

PATENTED RED & GREEN SYSTEM



RED BIN

Wet / Food Waste

-
- ✓ Kitchen waste
 - ✓ Vegetable waste
 - ✓ Hotel waste
 - ✓ Organic waste



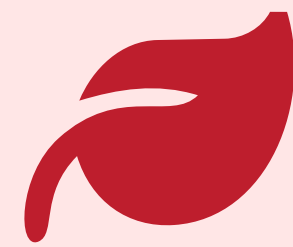
GREEN BIN

Dry Waste

-
- ✓ Plastics
 - ✓ Paper
 - ✓ RDF
 - ✓ Recyclables

HOW MAK MSMS WORKS

Household → RED/GREEN Segregation → Collection → Processing Centre → Useful Product Recovery



RED Waste

→ Biochar / Energy / Soil Enhancer



GREEN Waste

→ RDF / Recycling / Industrial Fuel

24-HOUR PROCESSING MODEL

24
HOUR

“No Long-Term Waste Storage”

Advantages:

- ✓ No smell
- ✓ No methane
- ✓ No flies
- ✓ No stray animal issue
- ✓ No river dumping
- ✓ No street accumulation

KILN 1000+°C TECHNOLOGY

Scientific Thermal Processing

- 💧 1000°C operation
- 🕒 Complete burnout
- ⚡ RDF utilization
- 💧 Heat recovery
- 🌿 Emission control system
- ✂️ Minimal residue

✅ “Existing pilot systems already operational.”



PROTECT TAMIL NADU WATER BODIES

Objectives

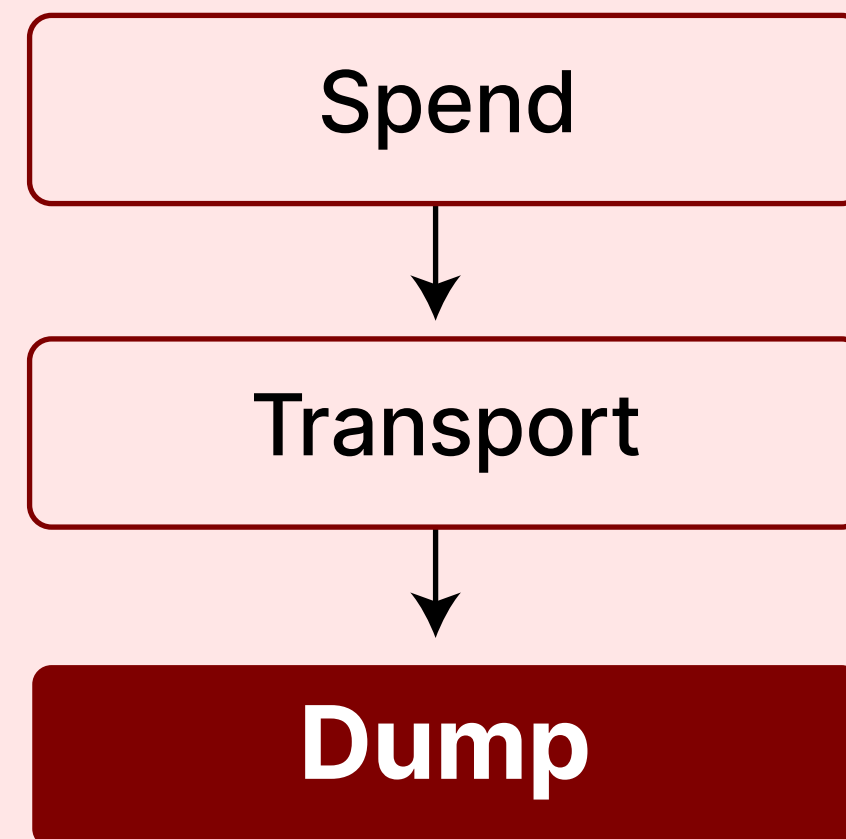
- ❌ No garbage into rivers
- ❌ No dumping near lakes
- ❌ No dumping near temples
- ❌ No drainage choking
- ❌ No flood aggravation

Clean rivers improve

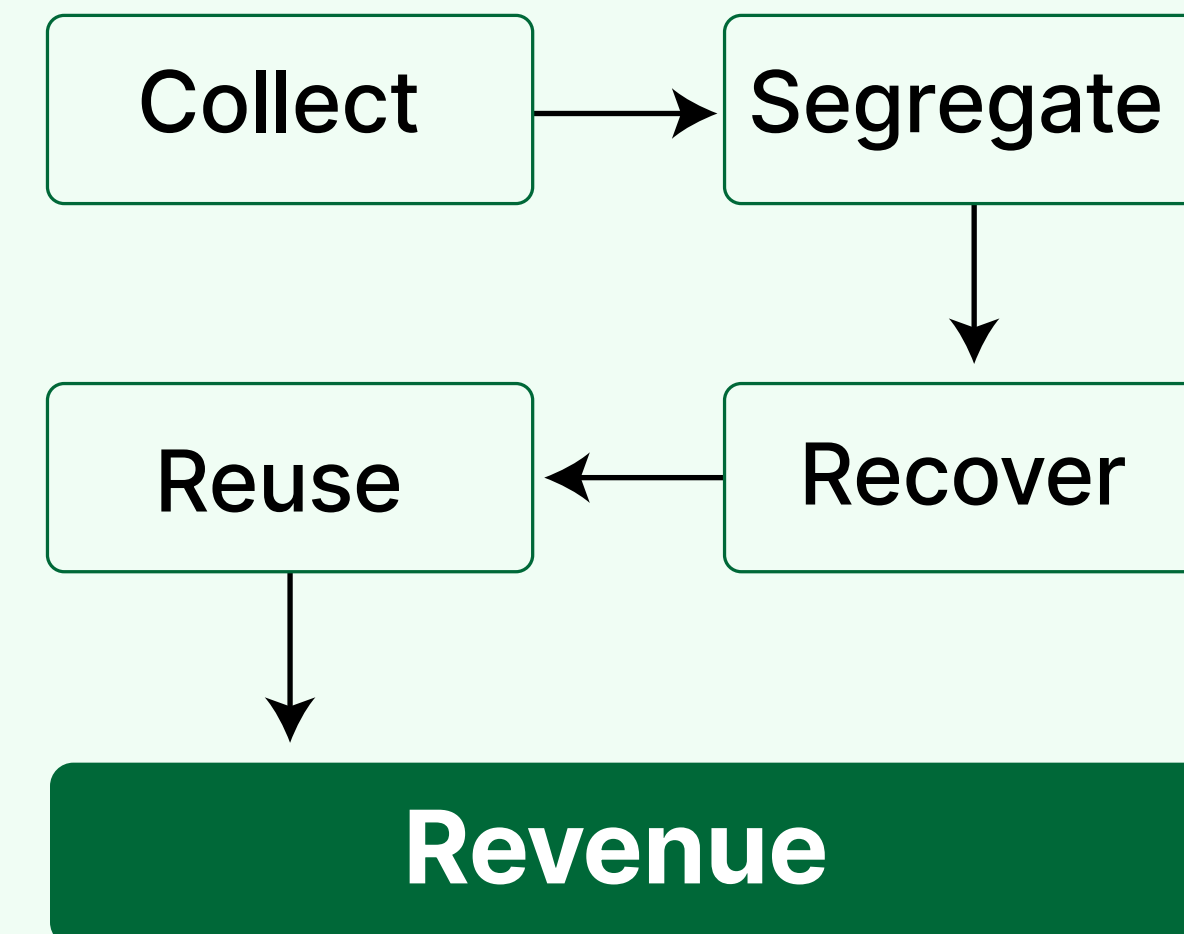
- 💚 Public Health
- 🏠 Tourism
- ॐ Spirituality
- 🚜 Agriculture
- 💧 Groundwater

FROM DUMP YARD ECONOMY TO CIRCULAR ECONOMY

Existing Model



MAK MSMS Model



FINANCIAL MODEL

“No Additional Burden to Government”

Government may continue current SWM expenditure. MAK India Limited will:

- | | |
|-------------|--------------------------------------|
| ✓ Collect | ✓ Recover Value |
| ✓ Segregate | ✓ Reduce Landfill Dependency |
| ✓ Process | ✓ Progressively Eliminate Dump Yards |

ESTIMATED BENEFITS

- 📖 Zero dump yard : Major land saving
- ☁️ Reduced methane : Climate benefit
- 📄 Scientific processing : CPCB compliance
- 🔄 Circular economy : Economic benefit
- ≡ River protection : Environmental benefit
- 📢 Lower public complaints : Political benefit
- 👥 Employment generation : Social benefit



IMPLEMENTATION STRATEGY

Suggested Pilot

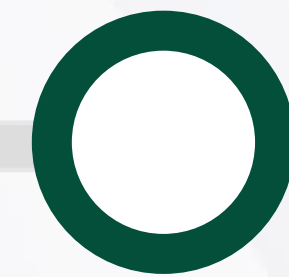
500 TPD Integrated MSMS Facility



Phase 1
Pilot Project



Phase 2
Major Corporations

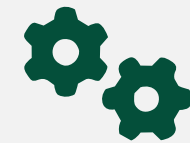


Phase 3
Entire Tamil Nadu

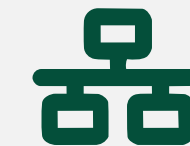
WHY MAK INDIA



**Pollution Prevention
Focus**



Existing Pilot Operations



**Integrated Waste
Approach**



**Thermal Processing
Capability**



**Scientific Segregation
System**



**Indigenous Technology
Vision**



Scalable Model

TAMIL NADU CAN BECOME INDIA'S FIRST ZERO DUMP YARD STATE

Cleaner Cities



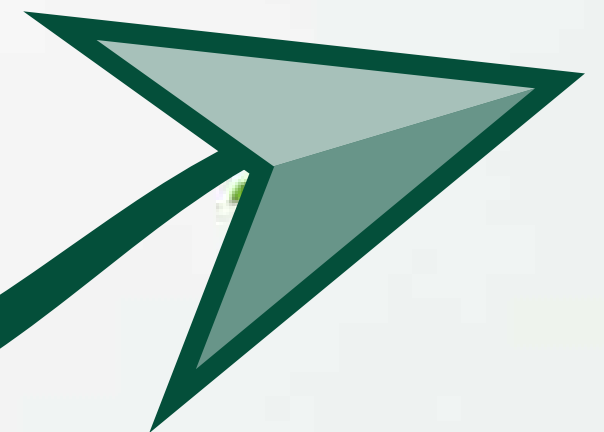
Cleaner Air



Cleaner Rivers



Cleaner Future



THANK YOU!

“Today Waste Is Collected And Dumped.”

MAK MSMS proposes to collect, segregate, process and convert waste into wealth within 24 hours without allowing waste into rivers, streets or dump yards.



MAK INDIA LIMITED

“We have Solution for All Pollution”

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