

ODOUR ELIMINATOR DECOMPOSER RDF (OED RDF)

for STPs, Garbage Rooms, OWC Areas
Organic Waste Handling Facilities & RDF



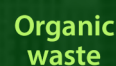
A fine spray of **OED RDF** rapidly colonizes these exposed areas, resulting in a noticeable **reduction in odour** within minutes of application.

Why **Urban India** is Failing at Waste Management And What Can Actually Fix It

Urban India generates massive quantities of municipal waste every day of which more than **50–60% is organic waste.**

This presentation examines
the GAP between
Modern **Environmental
Challenges** & traditional
ecological wisdom.

It proposes
**Odour Eliminator
Decomposer RDF (OED)** as a
cost effective and scalable
solution to remove odour of



EcoBAC OED RDF

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The Problem STATEMENT ▶▶▶▶



The Need for **Urban India** to
Process Waste at Source



Serious **health issues** for **nearby residents** & waste management staff



Generate leachate which
Contaminates groundwater



Continuously emit **unbearable foul** Odours



Very **Slow Decomposition** process



Release methane and toxic gases

Odour: The Biggest Invisible Barrier

The root cause is Absence of Microbial Process

Yet, most systems rely on **Chemical masking**,
temporary **deodorizing** which **does not solve the problem** — only hides it.

Urban India

Foul odour
at resident

Release methane and toxic gases

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Practical Solution

Odour Eliminator Decomposer ▶▶▶▶

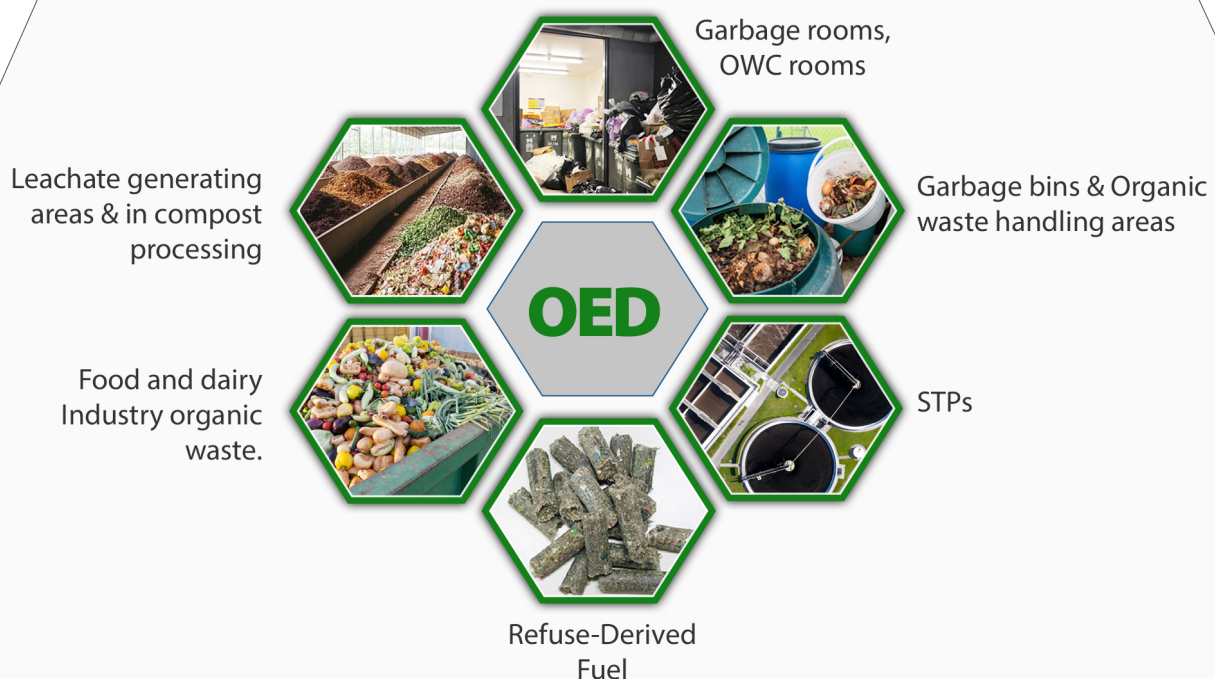


After two decades of **dedicated research** and **development**, we have successfully transformed this traditional knowledge into a modern, scalable bio-solution:

OED RDF has been developed as a modern microbial diversity **bio-solution for odour elimination** and **accelerated decomposition**, **natural fungicide and larvicides** known for its **instant odour removal** and faster decomposing activity.



ODOUR REMOVAL & DECOMPOSITION - microbial solution designed for



Removes odour from: Flowing & stagnant polluted water / Waste water treatment plant

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Surface Treatment

Odour Eliminator Decomposer RDF



Open tank surfaces, sludge deposits, spillages and **stagnant organic matter** are often the **primary sources** of **foul odour in STPs**.

A **fine spray of OED** rapidly colonizes these exposed areas, resulting in a noticeable **reduction in odour** within minutes of application



Refuse-Derived Fuel (RDF) Processing EcoBac OED RDF effectively **eliminates intense foul** odours generated during RDF shredding, enhancing operator comfort and cleaner, safer environmental conditions.

System Treatment >>>>



Regular dosing of **OED RDF** into the **collection/equalization tank** establishes **beneficial microbial activity** throughout the treatment system.

Over a **period of approximately 21 days**, the **microbial population stabilizes** and begins **addressing odour generation at its source**.



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OED Restores Biological Activity ▶▶▶▶



Reintroduces active **microbial populations** on organic waste & in STPs



Accelerates **natural decomposition**



Forms a **natural bio-film layer** on Organic waste



Traps and **neutralizes odour**-causing gases



Speeds up **degradation** of **legacy waste**



Improves **environmental conditions** on-site



Makes waste management **environment & health** friendly



Good Environmental
Condition

Natural
Decomposition



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Proven Impact on Ground

We have **already implemented OED RDF** across:



Result



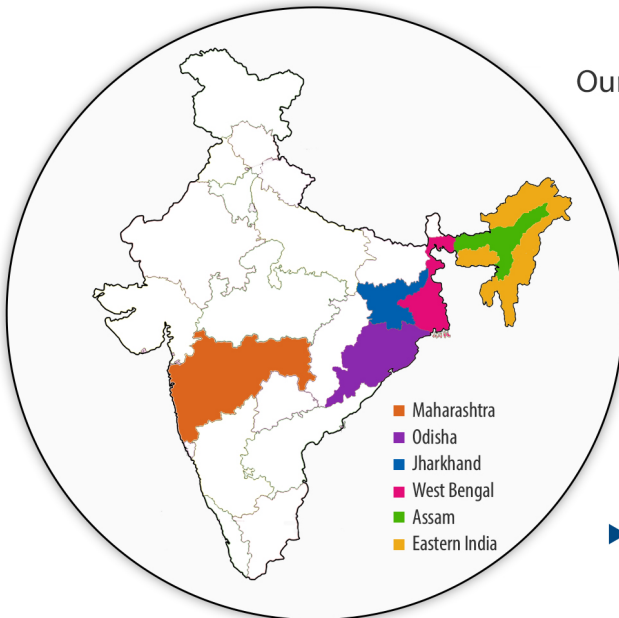
Complete removal of offensive odours



Improved working conditions



Faster decomposition processes



Our technology has been **successfully implemented** across 15 Municipal Corporations in **Maharashtra, Odisha, Jharkhand, West Bengal, Assam & Eastern India.**

Notably, at the **Bhubaneswar Municipal Corporation (BMC)**, we have facilitated the **bio-mining of 2,25,000 metric tons of legacy waste** and continue to **manage 600–700 metric tons of daily waste** with zero odor complaints.

**Private sector
Clients**



Reliance
Bio-Energy Ltd



Ultratech
Cement



Dalmia Cement



ACC Cement



Hydro-safe Hosur

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Final Thought ▶▶▶▶

The real shift is **toward integrated** systems—
where engineering supports biological processes
instead of replacing them.

- Non performing/underperforming STPs into very effective odour free water treatment
- Waste handling & surrounding environment cleaner & health friendly
- Cities into cleaner, odour free, healthier ecosystems
- Reduced conditions that attract flies and insects
- Overall better housekeeping standards

Let's **Solve the Problem** at Its Root, if you are



Housing
Societies



Commercial
Building



RDF



Waste
Transfer
Stations



Industrial
Facilities



Hospitals



Organic Waste
Processing
Facilities



Hotel

We can help you implement a real, **scalable, and sustainable solution** for odour control.



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