ORGANIC RECYCLING SYSTEMS LIMITED
CLEANTECH | INNOVATION | ENGINEERING

25th November 2025

BSE Limited
Department of Corporate Services
Listing Department
P J Towers,
Dalal Street,
Mumbai - 400001
Scrip Code: 543997

Dear Sir/Madam,

Sub: Press Release

In accordance with Regulation 30 of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015, please find enclosed herewith Press Release in respect of Organic Recycling Systems Limited (ORSL) signs **Strategic Research MoU with IIT (BHU) Varanasi to scale up Breakthrough Innovations to enhance biogas potential and operational profitability.**

We request you to take the same on record.

Thanking you,

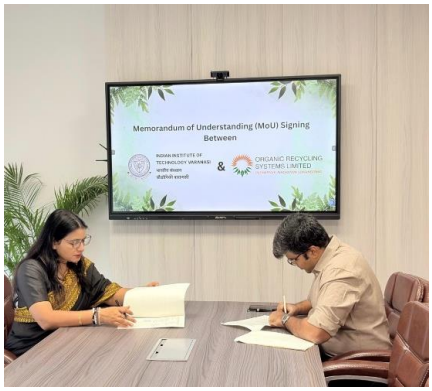
Yours faithfully,

For Organic Recycling Systems Limited

SEEMA HARISHCHANDRA GAWAS
Digitally signed by SEEMA HARISHCHANDRA GAWAS
Date: 2025.11.25 08:34:07 +05'30'

Seema Gawas
(Company Secretary & Compliance Officer)

ORSL Signs Strategic Research MoU with IIT (BHU) Varanasi to scale up Breakthrough Innovations to enhance biogas potential and operational profitability.



Mumbai, Maharashtra, 25th November 2025 :

Organic Recycling Systems Limited (ORSL), though it research and innovation centre has signed a landmark Memorandum of Understanding (MoU) with the Indian Institute of Technology (Banaras Hindu University) Varanasi [IIT (BHU) Varanasi], one of India's premier research institutions, to jointly pursue advanced research, technology development, and innovation in the bioenergy and waste valorisation sectors.

The partnership aims to build a robust industry–academia ecosystem focused on solving real-world challenges in anaerobic digestion, improving biomethanation efficiencies, developing innovative digestate-based products, engineering modular AD systems, and accelerating commercialization of next-generation waste valorisation solutions. This MoU reflects ORSL's long-term vision to strengthen its R&D capabilities, expand collaboration with scientific leaders, and drive sustainable energy solutions across India.

Key Areas of Collaboration

- **Anaerobic Digestion & Feedstock Innovation** – Feedstock characterization, high-solids/dry AD optimization, and improved reactor design to enhance biogas yield.
- **Microbial Dynamics & Bioaugmentation** – Metagenomics-based microbial profiling, development of specialized microbial consortia, and early-warning tools for plant stability.
- **Process Modelling & Control Systems** – Kinetic and ML-driven models, predictive performance tools, and adaptive control strategies for reliable digester operation.
- **Digestate Valorisation** – Converting digestate into fertilizer-grade products, improving nutrient balance, dewatering, and integrating biochar.

Speaking on the collaboration,

Dr. (Prof.) Manju Tanwar, Head ORS-RIC, stated:

"This partnership with IIT (BHU) Varanasi is a major milestone in our mission to accelerate research-led innovations in the biogas and waste management sector. By combining academic excellence with ORSL's industry expertise, we aim to bring forward globally relevant, scalable, and impactful technologies."

Prof. Abhishek Suresh Dhoble, Associate Professor, School of Biochemical Engineering, IIT (BHU) , added:

"Our collaboration with ORSL will strengthen applied research and enable the development of next-generation solutions for a sustainable energy future. The MoU reflects our commitment to advancing science for societal benefit."

About Organic Recycling Systems Limited (ORSL)

Organic Recycling Systems Limited (ORSL) is a pioneering environmental engineering company specializing in sustainable waste management and valorisation solutions. Established in 2008 by technocrats, ORSL develops and deploys robust, cost-effective, and eco-friendly technologies across the entire waste value chain.

ORSL operates India's first municipal solid waste (MSW) processing plant based on a patented anaerobic biomethanation process, recognized by the Government of India under the National Master Plan. One of its flagship projects is located in Solapur, Maharashtra, where biodegradable waste is converted into **Bio-Gas** and **fermented organic manure**, exemplifying a scalable circular economy model.

ORLS's research and innovation efforts are reinforced through collaborations with esteemed institutions such as **IIT Bombay (IITB)**, **AGH University Poland, University of Birmingham (UOB)**, and other technical partners. These partnerships continue to drive the company's intellectual property development and technological advancements in the environmental sector.

For further information on the Company, please visit https://organicrecycling.co.in/

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