ORGANIC RECYCLING SYSTEMS LIMITED
CLEANTECH | INNOVATION | ENGINEERING

29th October 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 about ORS (the Company), signs MoU with IIT Roorkee to Advance Biomass and Biochar Research.

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: 2025.10.29 08:33:28 +05'30'

Seema Gawas
(Company Secretary & Compliance Officer)

Press Release

Organic Recycling Systems Limited signs MoU with IIT Roorkee to Advance Biomass and Biochar Research

Mumbai / Roorkee, October 29, 2025 — *Organic Recycling Systems Limited (ORSL)*, a leading Indian clean-tech company pioneering sustainable waste valorisation and circular economy solutions, has signed a **Memorandum of Understanding (MoU)** with the **Indian Institute of Technology, Roorkee (IITR)** to collaborate on **biomass valorisation, biochar development, and advanced environmental applications**.
The partnership brings together the **industrial expertise of ORSL** and the **research excellence of IITR's Department of Hydro and Renewable Energy (HRED)** to foster innovation in renewable energy, circular economy, and carbon-neutral technologies.

Collaborative Focus Areas
Under the agreement, ORSL and IITR will jointly work on:

- **Biomass Research Applications:** Characterization and pretreatment of biomass, development of biofuels and biochemical conversion processes, and assessment of agricultural residues for industrial applications.

- **Biochar and Activated Carbon Development:** Production, characterization, and utilization of biochar for soil amendment, carbon sequestration, water purification, and heavy metal adsorption.
- **Torrefaction of Biomass and Municipal Solid Waste (MSW):** Process optimization and integration of torrefaction with pyrolysis and gasification technologies to enhance energy recovery.
- **Knowledge Exchange and Human Resource Development:** Training programs, internships, joint research projects, and establishment of an academia-industry ecosystem to promote technology innovation and skill development in renewable energy sectors.

Statements from the Partners
Speaking on the occasion,

Mr. Sarang Bhand, Managing director of **Organic Recycling Systems Limited**, said:
"This partnership with IIT Roorkee marks an important milestone in ORSL's R&D journey. Together with IITR, we aim to accelerate technology development in biomass and Msw valorisation with focus on biochar and torrefaction process. This collaboration will strengthen India's roadmap towards achieving its clean energy and carbon neutrality goals."

Prof Vivek Kumar Malik, Dean Sponsored Research and Industrial Consultancy from **IIT Roorkee,** said **:**

"Our partnership with ORSL reflects IITR's commitment to translating cutting-edge research into impactful industrial applications. This collaboration will contribute to the development of innovative, scalable solutions in biomass processing and environmental management."

Prof Dr. Sonal K Thengane, Associate professor, IIT Rookee's Department of Hydro and renewable energy, said **:**
statement:

"We are happy to collaborate with ORSL on torrefaction of MSW and biomass, and together, we aim to replicate this model nationally."

About Organic Recycling Systems Limited (ORSL)

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

ORS 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 **Compressed Bio-Gas (CBG)** and **fermented organic manure**, exemplifying a scalable circular economy model.

ORS currently has a total processing capacity of 400 tonnes per day (TPD) across its facilities, with 50% of this capacity currently utilized.

The company's operations span three strategic business verticals:

- **Project Development & Technology Licensing** – Delivering turnkey projects and technology solutions for waste valorisation.
- **Product Vertical** – Offering a growing portfolio of bio-based products such as CBG, organic manure etc. that support sustainable energy and agriculture.
- **Consulting Vertical** – Providing specialized advisory services in environmental strategy, waste management, and regulatory compliance.

Recognized under the Swachh Bharat Mission for operational excellence and innovation, ORS is actively pursuing EPC (Engineering, Procurement, and Construction) opportunities nationwide.

ORS'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 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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