ORGANIC RECYCLING SYSTEMS LIMITED
CLEANTECH | INNOVATION | ENGINEERING

17th April 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) and SSS-NIBE collaboration has reached a pivotal stage in advancing biogas production through Seed based co-digestion technology as its commissions the pilot plant.

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: 2025.04.17 11:46:01 +05'30'

Seema Gawas
(Company Secretary & Compliance Officer)

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SSS-NIBE and ORSL Advance Biogas Innovation with Pilot Plant Commissioning for Napier Grass Co-digestion

Pilot Biogas Plant at ORSL's Solapur Facility Set for Commissioning, Paving the Way for Large-Scale Renewable Energy Solutions

Solapur, 17th April 2025: The collaboration between Sardar Swaran Singh National Institute of Bio-Energy (SSS-NIBE) and Organic Recycling Systems Limited (ORSL) has reached a pivotal stage in advancing biogas production through Seed based co-digestion technology. This strategic partnership, focused on utilizing Napier grass and other agricultural residues for anaerobic digestion, is now transitioning from research to practical implementation. As India continues to seek renewable energy solutions to meet its growing energy demands, both organizations are working towards unlocking the full potential of biomass-based biogas production. Their emphasis on Napier grass highlights a commitment to exploring abundant, renewable resources for sustainable energy generation.

One of the most significant developments in this collaboration is the establishment of a pilot biogas plant at ORSL's Solapur facility, which is now fully prepared for commissioning. This pilot facility will play a crucial role in testing and refining the seed-based co-digestion process, allowing researchers and engineers to optimize feedstock utilization and enhance biogas yields. By integrating advanced anaerobic digestion techniques, the plant will also facilitate the validation of technical processes and operational parameters, ensuring the technology is optimized for efficiency and long-term viability. The successful commissioning of this facility will mark a key milestone in the effort to scale up biogas production using innovative feedstock strategies.

Figure 1: Pilot plant at ORSL's waste processing plant in Solapur

Once the pilot plant will begin its operations, the focus will shift towards evaluating its performance and preparing for commercial-scale implementation. ORSL, with its extensive expertise in waste management and renewable energy, will play a crucial role in transitioning from pilot testing to large-scale deployment. The insights gained from this project will help establish co-digestion as a viable and scalable solution for biogas production in India, addressing both energy security and environmental sustainability.

This collaboration between SSS-NIBE and ORSL represents a forward-thinking approach to bioenergy development. By leveraging cutting-edge technology and sustainable biomass resources, the project aims to set new benchmarks for efficiency and scalability in the biogas sector. As India intensifies its efforts to transition to cleaner energy solutions, initiatives like this will be instrumental in shaping the future of renewable energy and driving the country towards a more sustainable, low-carbon future.

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About Us

Organic Recycling Systems Limited (ORS) is a pioneering engineering firm specializing in environmental solutions, offering comprehensive waste management solutions across various waste types and the entire value chain. Established in 2008 by technocrats, ORS focuses on developing robust, cost-effective, and eco-friendly technologies. With proven expertise, ORS operates India's premier Waste to Energy (WTE) plant, leveraging patented anaerobic biomethanation technology, recognized by the Government of India's National Master Plan. Additionally, ORS operates a Municipal Solid Waste (MSW) processing plant in Solapur, Maharashtra, converting waste into electricity and compost since 2013. Recognized as a leader in best practices under the Swachh Bharat Mission, ORS is now positioned for EPC opportunities nationwide. ORS operates through three main business verticals: Project development & Technology Licensing, Product Vertical, and Consulting Vertical, providing a comprehensive range of services and solutions in the environmental sector. Through ongoing R&D initiatives and intellectual property development, ORS continues to innovate with new products and technologies, further expanding its presence and impact across the waste value chain**.**