



ORGANIC RECYCLING SYSTEMS LIMITED

CLEANTECH | INNOVATION | ENGINEERING

17th January, 2024

BSE Limited

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

Dear Sir/Madam,

Sub: Press Release.

Please find enclosed herewith Press Release of the Company in respect of signing of a Memorandum of Understanding (MOU) with the prestigious Walchand Institute of Technology (WIT), Solapur.

We request you to take the same on record.

Thanking you,

Yours faithfully,

For Organic Recycling Systems Limited

Ms. Seema Gawas
Membership No. A48682
(Company Secretary & Compliance Officer)

Organic Recycling Systems Ltd

Registered / Corporate Address : 1003, The Affaires, Plot No.19, Sector-17, Sanpada, Navi Mumbai – 400705.

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CIN U40106MH2008PLC186309

ORS SIGNS AN MOU WITH WALCHAND INSTITUTE OF TECHNOLOGY TO DRIVE SCIENTIFIC AND TECHNOLOGICAL COLLABORATION

ORSL , announces the signing of a Memorandum of Understanding (MoU) with the prestigious Walchand Institute Of Technology (WIT), Solapur. This collaboration aims to foster joint research, academic initiatives, and workshops in diverse scientific and technological domains.

Both parties, recognizing the need for collaborative efforts to address multidisciplinary scientific and technological challenges of national importance, have formalized this partnership. The MoU lays the foundation for joint research programs and collaborations, with a primary focus on Municipal Solid Waste management, remediation, and applications for environmental sustainability.

This collaboration involves faculty and researcher cooperation in their internal research initiatives, leveraging the pooled resources of both establishments. The collaboration also encompasses the exploration of joint research initiatives in critical interdisciplinary domains, promoting a holistic approach. The partnership emphasizes capacity building through short-term programs, workshops, and certificate courses, fostering a collaborative educational environment. The MOU facilitates subsidized access to essential equipment and consultancy services, enriching the collaboration's academic and research dimensions.

This strategic collaboration reflects the commitment of both institutions to advancing knowledge and contributing to solutions that benefit society. The synergy between ORSL and WIT promises to create lasting impacts in the fields of waste management, environmental sustainability, and cutting-edge research.

About Us

Organic Recycling Systems Limited (ORS) is an engineering company focused on environmental solutions and provides waste management solutions across waste types and across the value chain. The company has been a forerunner in providing sustainable waste management solutions in India since 2008. Incorporated by technocrats the focus primarily has been on developing robust, cost effective & environment friendly technologies that are simple to operate. The company has proven technology and capability of successfully running one of India's first Waste to Energy (WTE) plant developed on anaerobic bimethanation technology.

The anaerobic bimethanation technique has been recognized as a promising technology as per National Master Plan issued by Government of India, the company has also set up a MSW processing and disposal plant in Solapur, Maharashtra to convert Municipal Solid Waste (MSW) into electricity and compost. The plant has been operational since 2013 with the plant being recognized as one of the case studies for best practices for MSWM under the Swachh Bharat Mission and various other reports. With the data collected over the years, the company is now a front runner for various EPC opportunities in the country and therefore providing solutions encompassing entire value chain for waste management.

Research and Development Initiatives and Intellectual Property (IP)

1. Patents received

Sr. no	Patent Description	Grant Date	Period	Expiry Date
a.	Marut Drum - Equipment used in the Integrated process for pre-treatment and anaerobic digestion of waste and apparatus used therein	July 10, 2023	11 years	June 7, 2034
b.	Integrated process for pre-treatment and anaerobic digestion of waste and apparatus used therein	June 16, 2022	12 years	June 7, 2034

In order to continuously expand the presence across the waste value chain, ORS has taken various initiatives to develop new technologies/products such as Phosphate Rich Organic Manure (PROM), Activated carbon and In-vessel composting, Sugar King/Sugarcane Plus- Products, Co-digestion of Agri residue and other feedstock/HRT

Reactor/Pre-treatment of mixed biomass or waste, H₂S and Moisture scrubber technology and Biochar to Brick tiles application.

2. Business verticals

- **Project developer & Technology Licensing with Engineering Procurement and Construction (EPC) division:**

ORS has agreements with Urban local bodies to develop projects and technology on BOOT and PPP Model and providing technological and engineering support through our EPC vertical.

- **Product Vertical:**

The product vertical is engaged in designing and supplying certain key equipment required to set up MSW projects. Their current product development avenues include:

- Refused derived fuel (RDF)
- Biomass Pellets via tendu patta
- Material Recovery Facilities (MRF)
- Biomass to Charcoal - The Sanjeevak Carbonisation System (SCS) is a technology that efficiently turns biomass into charcoal. This technology employs strict process control compared to traditional coal/wood powered furnaces as it optimizes resources and to convert biomass into charcoal

- **Consulting Vertical:**

ORS has an experienced and specialized team which will enable to foray into providing consultancy and project management services and has a vertical to carry out R&D activities for development and implementation of future technologies as well as provide contract research services to various industries in the environmental sector. The Engineering services provided by the company under this division are on the back of the technical and R&D capabilities of the company.