



ORGANIC RECYCLING SYSTEMS LIMITED

CLEANTECH | INNOVATION | ENGINEERING

November 28, 2023

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

Dear Sir/Madam,

Sub: Intimation under Regulation 30 of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015

The Company has in-house developed the Sanjeevak Carbonisation System (SCS) that efficiently turns biomass into charcoal. This technology employs an environmentally sustainable process compared to traditional coal or gas-powered machines as it optimizes resources and utilises electricity to convert biomass into charcoal. It is available in various capacities suitable for small-scale businesses in India, offering a cleaner and more efficient option for industries aiming to reduce their environmental impact. The process is called Carbonisation, as it is the carbon-rich organic compounds within the biomass that get converted into charcoal. This primarily includes cellulose, hemicellulose, and lignin the main structural components of plant material. These compounds undergo a series of chemical reactions under controlled heating, ultimately leaving behind a residue that is primarily composed of carbon. This process drives off volatile components like water, methane, and tar, concentrating the carbon content into the feedstock and resulting in the production of charcoal.

The Sanjeevak Carbonisation system has several advantages over traditional carbonization methods, including:

1. **Higher efficiency:** The system uses a unique design that optimizes heat transfer and minimizes heat loss. This results in a higher conversion rate of biomass into charcoal.
2. **Process Control:** The system is equipped with precise process control mechanisms that effectively regulate both temperature and the overall process.
3. **Lower emissions:** The system is designed to minimize the emission of harmful pollutants. This is because the system is operated through process called pyrolysis under a high temperature and oxygen-free atmosphere, which minimizes the combustion of the biomass to a great extent.
4. **Greater flexibility:** The system can process a variety of biomass waste to produce a variety of charcoal products, including briquettes, pellets, and lump charcoal.

The Company with its commitment to sustainability, has meticulously engineered Sanjeevak Carbonisation Systems (SCS) to optimize the conversion of biomass into high-quality charcoal, providing communities, local governments and businesses with a more environmentally responsible option. As a testament to the capabilities of SCS, a PILOT CUM DEMONSTRATION UNIT has been deployed at MIDC Industrial Area, Pawne. This unit serves as a tangible demonstration of the company's commitment to innovation and sustainability and now ready to roll out for commercial purpose.

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

We request you to take the same on record.

Thanking you,

Yours faithfully,

For Organic Recycling Systems Limited

Ms. Seema Gawas
(Company Secretary & Compliance Officer)

