

Press Release

Evergreen Future Introduces 'Ecogenik'

- A Next-Generation Waste-To-Solid Fuel Platform That Transforms Unsegregated Waste Into Alternate High-Calorific-Value Energy -

Kolkata, 16th December, 2025: **Evergreen Future**, a forward-looking clean-energy startup company, officially launched **Ecogenik**, a pioneering Waste-to-Solid Fuel machine, at Syama Prasad Mookerjee Port, Kolkata (SMPK). It was launched by **Mr Rathendra Raman, Chairman, SMPK and Mr Samrat Rahi, Deputy Chairman, SMPK**, in the presence of **Mr Debashis Bose, Chief Executive Officer & Co-Founder, Evergreen Future, Mr Ranju Barman, Chief Technology Officer & Co-Founder, Evergreen Future, Mr Sandeep Debray, Senior Vice President, Evergreen Future and Mr Ravinder Singh, Vice President, Evergreen Future**.

Ecogenik is an advanced solution that converts unsegregated municipal and industrial waste into high-calorific-value solid fuel. Designed to process 10 - 100 tonnes per day, Ecogenik eliminates the need for landfilling, prevents leachate formation and significantly reduces greenhouse gas emissions while providing industries with an alternate high-calorific-value fuel in place of fossil coal.

Ecogenik is available in multiple scalable models with processing capacities of 5 tonnes, 10 tonnes, 50 tonnes and 100 tonnes per day, catering to varied requirements across ports, municipalities and industrial clusters. The pricing of the Ecogenik system starts from Rs 85 lakh, making it a commercially viable solution for decentralised waste management and fuel generation.

The Ecogenik model is built on a revenue-generating framework, wherein the Refuse-Derived Fuel (RDF) produced through waste processing becomes a commercially viable output for the organisation. The sale and utilisation of RDF as an alternate industrial fuel creates a sustainable business model while simultaneously addressing waste management challenges.

As per Government of India notifications, RDF can replace 6% to 20% of coal currently used in thermal power plants, steel plants and cement industries. This substitution not only contributes to a significant reduction in air pollution and carbon emissions but also substantially reduces the burden on landfills, supporting India's broader clean energy and waste management objectives.

"We are grateful to Syama Prasad Mookerjee Port, Kolkata, for facilitating the demonstration of Ecogenik at the port premises. This product demonstrates how large infrastructure ecosystems can adopt innovative waste-to-solid fuel solutions to manage waste at source while generating an alternate high-calorific-value solid fuel that industries can depend on. Ecogenik reflects our commitment to transforming waste into a valuable resource through technology-led sustainability", said **Mr Debashis Bose, Chief Executive Officer & Co-Founder, Evergreen Future**.

"Evergreen Future aims to engage with ports, municipalities and industrial clusters across India to demonstrate and deploy scalable waste-to-fuel solutions. The Ecogenik model showcases a practical pathway toward zero-landfill operations, carbon reduction and circular economy readiness, aligned with India's sustainability goals", said **Mr Sandeep Debray, Senior Vice President, Evergreen Future**.

“Ecogenik is engineered to handle all waste types - organic, inorganic, mixed solid waste, sanitary waste and RDF without the need for segregation. Our Impact Drying Technology ensures sterilisation and drying at source, improving calorific value and ensuring zero pollution. The platform can reduce up to five tonnes of waste per day from going to landfills by enabling substitution with high-calorific-value alternate fuel”, said **Mr Ranju Barman, Chief Technology Officer & Co-Founder, Evergreen Future.**

“Industries today are seeking solutions that are environmentally responsible as well as economically viable. Ecogenik addresses both needs effectively. With state policies increasingly encouraging the use of Refuse-Derived Fuel (RDF), Ecogenik positions itself as a strong enabler for compliance, decarbonisation and operational cost optimisation”, said **Mr Ravinder Singh, Vice President, Evergreen Future.**

The project represents an estimated investment of **Rs 100 crore**, allocated towards advanced machinery, on-site processing infrastructure, system integration and technology deployment. This investment underscores Evergreen Future’s long-term vision to build scalable waste-to-solid fuel ecosystems across India. The factory has been developed in a 30,000 square feet land in Howrah.

Following successful demonstrations, the company plans to deploy similar units at major ports, industrial clusters and municipal zones nationwide.

The Ecogenik ecosystem is integrated with **Bid My Future**, an online auction marketplace that ensures transparent sale, distribution and traceability of the green fuel produced, thereby strengthening the circular economy framework.

The Ecogenik initiative is expected to generate significant direct and indirect employment opportunities. The establishment of processing units, logistics networks and digital auction operations will create jobs across multiple levels from waste-handling operators and machine technicians to quality supervisors, transport partners and data managers. As the model scales, it will further support skill development, technical upskilling and green job creation in India’s emerging waste-to-energy sector, contributing to both environmental sustainability and local economic growth.

About Evergreen Future

Evergreen Future is a forward-thinking clean energy enterprise dedicated to transforming the biomass and waste-to-hydrogen, LNG and CNG energy landscape in India and beyond. The company focuses on advancing sustainable energy solutions by promoting TAD-based biomass-to-energy projects and enabling efficient waste-to-fuel conversion that supports industrial decarbonisation and circular economy goals.

Evergreen Future collaborates closely with Biezal Green Energy Pvt Ltd, the technology owner of the TAD platform. Biezal provides complete technical support for the installation, commissioning, operation, monitoring and maintenance of TAD plants. Both organisations jointly conduct consultation, field studies and feasibility assessments to ensure that every project is efficient, scalable and environmentally sound.

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