

Mc Clelland Engineers Pvt. Ltd. Introduces Gaseous Waste Incinerator for High-Risk Industrial Emissions

Engineered to Safely Destroy Toxic Industrial Gases While Meeting CPCB Emission Norms



Navi Mumbai, Maharashtra Jul 10, 2025 ([IssueWire.com](https://www.issuewire.com)) - Mc Clelland Engineers Pvt. Ltd., one of India's most trusted names in industrial incineration systems, has announced the launch of its new [Gaseous Waste Incinerator](#), a thermal oxidation unit designed to treat complex gas-phase emissions generated from chemical, pharmaceutical, and agrochemical processes.

Gaseous waste streams often include volatile organic compounds (VOCs), halogenated hydrocarbons, acidic fumes, and flammable vapors. These pollutants are not only hazardous to the environment but also pose a direct threat to worker safety and plant infrastructure. Mc Clelland's latest incinerator solution addresses these challenges by offering a robust, high-temperature system that ensures

complete combustion of gaseous pollutants, even under variable load conditions.

The unit is equipped with an advanced burner system, automatic flame safeguard, and a high-efficiency combustion chamber that achieves temperatures above 1100°C. It ensures sufficient residence time and turbulence for total oxidation of complex gas streams. The system is designed with built-in provisions for emergency vent gas control and can be integrated with wet or dry scrubbers, depending on the emission type and treatment requirements.

“Traditional scrubbing and adsorption methods often fall short when it comes to treating reactive, flammable, or corrosive gases,” said a spokesperson for Mc Clelland Engineers. “This new incinerator provides a complete and secure solution for off-gas destruction, particularly for industries handling chlorinated solvents, process vent gases, and acidic vapors.”

The company’s Gaseous Waste Incinerator has already been adopted by leading process industries for applications such as reactor vent gas treatment, solvent distillation off-gases, and emissions from drying, centrifuging, and storage operations. Each unit is custom-engineered to match the flow rate, calorific value, and pollutant concentration specific to the facility.

[Mc Clelland Engineers](#) has a long-standing reputation for delivering fully compliant, performance-driven incinerator systems across India. With more than 300 installations over the past four decades, the company supports clients with end-to-end services—ranging from engineering design and fabrication to commissioning and after-sales support.

This new incinerator reinforces Mc Clelland’s position as a preferred solution provider for hazardous waste destruction, offering clients a path toward safer operations, environmental responsibility, and regulatory compliance.

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