

# SIMPLY WASTE ?

*A monthly newsletter on waste*



SOURCE : CANVA

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**800+**

Biogas plants installed



**22,995**

Tons of CO2 offset every year



**547**

Tons of LPG substituted every year



**28.8**

Lakh liters of organic manure generated every year



**Green Connect®**  
Resource Management Solutions  
ISO 9001:2015

## Green Connect Transforms Sona College of Technology's Biogas Plant



In a successful collaboration, Green Connect revamped the biogas plant at Sona College of Technology. The college had initially installed the biogas plant back in 2012, but due to unforeseen issues, it failed to function optimally.

In 2019, Sona College approached Green Connect with the task of revamping their biogas plant. An expert team of engineers was assigned to assess and address the challenges faced by the plant. One of the major obstacles identified during the inspection was a blockage in the pipeline, which hindered the smooth flow of biogas.

Green Connect promptly replaced the problematic pipeline with a new and efficient connection, ensuring seamless gas flow throughout the system. To further enhance the performance and safety of the biogas plant, the team equipped it with essential components such as biogas stoves, an H<sub>2</sub>S scrubber to eliminate harmful gases, a biogas flow meter for precise measurements, and a flame arrestor to prevent accidents.

After the comprehensive revamp, the biogas plant at Sona College of Technology is now operating at its full potential, providing a reliable and eco-friendly energy source for various applications. Green Connect takes immense pride in contributing to the sustainability and environmental consciousness of educational institutions like Sona College, fostering a greener and cleaner future for all.

### About the Biogas model

The biogas model implemented at Sona College of Technology is known as the Dheenabhandhu model, representing the first-ever biogas model created. This underground, fully civil construction boasts a capacity to process 250kg of food waste per day. A unique feature of the Dheenabhandhu model is its ability to produce high-pressure gas without the need for any boosters, thanks to its well-designed construction.