



MARIAN COLLEGE KUTTIKKANAM
(AUTONOMOUS)

Bio- Gas Plant

Submitted to
THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)
FOURTH CYCLE OF ASSESSMENT

7.1.2.2 Bio- Gas Plant

A biogas unit was installed in the campus for generating reserve fuel for cooking in the hostels by utilizing the biodegradable waste produced on campus. The biogas produced from the food waste, decomposable organic material and kitchen waste is utilized as an alternative fuel for cooking gas (LPG). This helps in effective waste management, to create carbon neutral energy, and brings about a substantial reduction in the usage of LPG in the hostels. The residue waste is used for vermi-composting which produces environment friendly and high quality fertilizer, an effective alternative to chemical manure.



Waste disposal containers.

Food and other degradable waste from the kitchens of various hostels are collected in these containers and relocated to the plant. The biogas produced is channeled through the tubes to the kitchen





These pipes from the biogas plant lead to the hostel kitchen





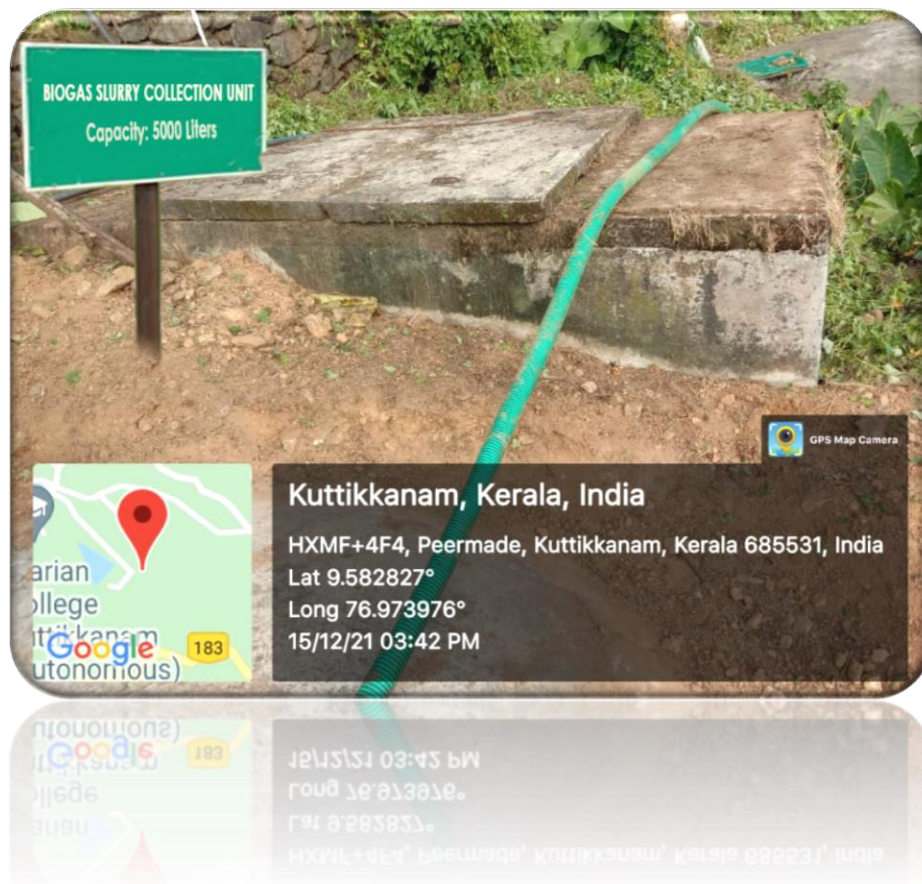
Biogas is used for cooking in the hostel kitchen





Bio-gas





Bio gas slurry Collection unit

