

Biogeyser: Harnessing heat of biodigestion

Consolation
Energy



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Arun, a progressive farmer, while working on his farm, observed one evening that the heap containing cattle dung was releasing vapours. He realized after touching the heap that the decomposing bio-waste was capable of radiating enough heat making it worth capturing for heating water or some other thing.

After numerous trials he came up with a system for getting warm water by utilizing heat generated through exothermal reactions during decomposition of organic wastes. Water in the pipe line passing through a heap of organic wastes can be heated up to 60-70° C after a day. The amount of water that can be warmed up depends on size of the heap. He dedicated this innovation to his father and called it 'Chandan-Biogeyser'.

NIF has filed a patent for the technology in the innovator's name.

