Profitable small-scale biogas unit for household consumption

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Biogas is produced when bacteria digest organic matter or biomass in the absence of oxygen. This process is called anaerobic digestion. It occurs naturally anywhere from within the digestive system to the depth of effluent ponds and can be produced artificially in engineered containers called digesters. This video shows how biogas production is doing profitably for household consumption. The objective of this video is to communicate the progress and success of biogas production to the farmers and the people in the “Belihuloya” area. I went physically to gather information about this household biogas unit and observed how it is going on. Mrs. Gamage, a former government officer who is handling this unit gave me the information about this unit. She has gained the knowledge and the technology to build up this unit through the Science and Technology Center. The government also has given support to develop this unit. She is getting the advantage from this unit for nearly ten years. This unit is running only from the cow dung and the slurry of the cattle shed which they were maintained in a corner of their yard. According to Mrs. Gamage, her small-scale biogas unit produce enough energy to fulfill the daily requirement of a four members family. As she told, this is a good substitute for LP gas. According to my observations, I understood by developing this system further, we can get more biogas easily to fulfill the gas requirement in four, or five houses.

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