

## **47. DESIGN AND FABRICATION OF PUMP STOVE USING ALTERNATE FUELS – A FEASIBILITY STUDY**

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Rate of used fried oil (UFO) is increased recently due to increase in population and usage of frying oil. In order to use UFO efficiently, an attempt has been made to use UFO as fuel for pump stove by blending with Kerosene at different composition. To make this new fuel to be used in pump stove, suitable modifications have been made in the pump stove. The basic properties of fuel blends are checked and compared with Kerosene fuel. The feasibility study of using different blends of UFO & Kerosene will be done in the pump stoves with required modifications and compared with the performance of the Kerosene fuel.

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