

MULTI-FUEL COOKING STOVE

Utility

Briquettes made from charred agricultural residues can be burnt efficiently in this cook stove. It consists of concentric grates made of perforated mild sheets. Fuel is fed in the annular space and ignited from below. The whole unit is supported on a mild steel grill to drive out the ashes to be bottom. A double walled aluminium reflector having asbestos insulation is placed around the burning bed to prevent convection and radiation to the surroundings. Hence the stove has high thermal efficiency of 25%. On a charge of about 450 to 500 grams of fuel it can burn for one hour, which is sufficient for the cooking needs of a small family. It is simple to operate and highly suited for cooking all kinds of Indian recipes including frying, roasting and baking.



Specification and working features		
Weight,kg	:	1.2
Thermal efficiency (%)	:	25-30
Feed/batch, gm/h	:	450-500

Design: ICAR-CIAE, Bhopal

Commercialization Status: Ready for Commercialization

Head, Technology Transfer Division

ICAR-Central Institute of Agricultural Engineering, Bhopal-462038

Telephone: +91-755-2521133, 2521134

E-mail: directorciae@gmail.com, headtttd@gmail.com Website: <https://ciae.res.in>