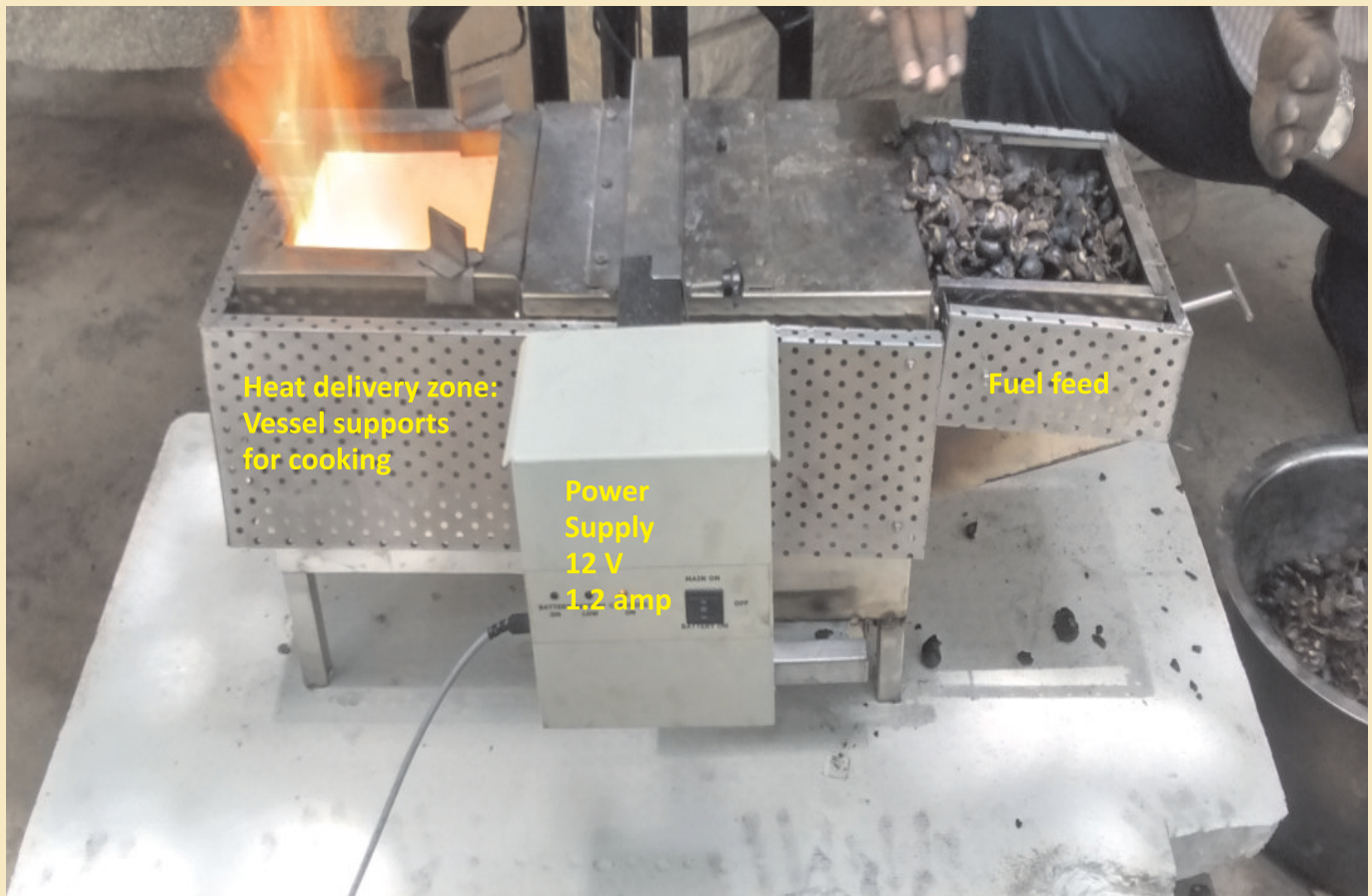


PYRO - AGNI MITHRA BIOMASS FIRED STOVE FOR LARGE SCALE COOKING

An innovative, new technology that mainstreams biomass as a cooking fuel



Offers cooking time and convenience on par with LPG
Pay back periods of 3 - 4 months with purchased fuel

Preferred fuel: *Agro residues – sunflower / chilli / mustard / toor dal or other stalks / corn cobs / ashew shell, husks / twigs / sized firewood*

- Features :**
- Designs for different fuel types and power levels to match any cooking need
 - Light weight and portable
 - Can ignite and function with no smoke or soot
 - Allows fuel control, air control and cooking time on par with LPG
 - Multi-fuel used (Any biomass fuel size up to 50 x 50 mm can used)
 - Save space and safe to use; Easy to handle
 - Well insulated stove body. Stove body temperatures less than 50 C

Performance parameters from user locations

Food cooked	Wt. of cooked food	Vessel diameter	Fuel burning rate	Cooking time
Rice	10 kg + 30 lit water	400 mm	3 kg/h	45 mins
Dal/sambar	Dal+ vegetables + water (30 lit)	400 mm	3 kg/h	60 mins
Heating oil for deep frying	20 liters oil	400 kadai top dia	3 kg/h	30 mins

Estimation of monthly saving in fuel cost and payback period if a single stove / burner is in operation

Stove type	Capital cost	Usage hrs / month	Fuel consumption / month*	Cost of fuel consumed / month**	Cost of fuel with money saved / month by shifting to Agni Mithra	Pay back period
Traditional wood stove	2500	180	1800	Rs 9000	4680	3-4 months
LPG stove	4000	180	234 kg	Rs 13455	9135	2.5 – 3 months
Agni Mithra	15-18000	180	720 kgs	Rs 4320		

* conv stove@10 kg / hr, LPG stove@1.3kg / hr, Agni Mithra@ 4 kg / hr

** firewood in traditional stove@ Rs 5/ kg, LPG@ Rs 57.5 / kg, sized biomass in AgniMithra@Rs 6 / kg

- Feast Patent :** ❖ Patent Ind: 1249/CHE/2014 “Sized multi-fuel horizontal Continuous Combustion Device(SM-HCCD)”
- ❖ Agni-Sakhi™ SM-HCCD of 1-1.3kg/hr systems
- ❖ Agni-Mitra™ SM-HCCD of 1.3-1000kg/hr systems

Agni Mithra offered through a partnership between
Sustaintech and FEAST

Trade enquiries and partnerships solicited

For more information please contact or visit:

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