

CSIR-IIP : Improved PNG Burner



CSIR-IIP improved PNG
Patent Application: 201711046975

An energy efficient domestic cooking burner has been designed for Piped Natural Gas by CSIR-IIP, Dehradun with the financial support of PCRA, New Delhi. The designed burner has following salient features;

- **Upto15% improved thermal efficiency**
- **Available in four power capacity**
- **Simple design and easy to fabricate**
- **Ready for commercialization**

Energy equivalent of estimated PNG saving = 5520 million BTU /month = 881 million kcal/month, for a city like New Delhi.

The improved energy efficient PNG burner will lead to significant reductions in energy consumption per household enabling lower PNG supply per household



A large city having 10 lakh PNG users with an average 1 SCM of daily PNG consumption @ Rs. 25.5 / SCM with 10% efficient burner can save PNG costing of Rs. 7.6 Cr. In a month