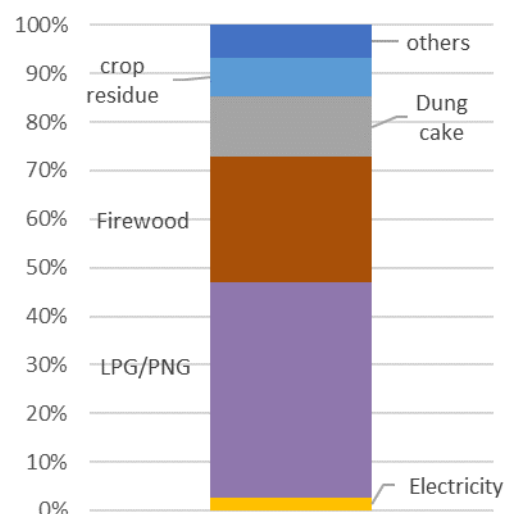
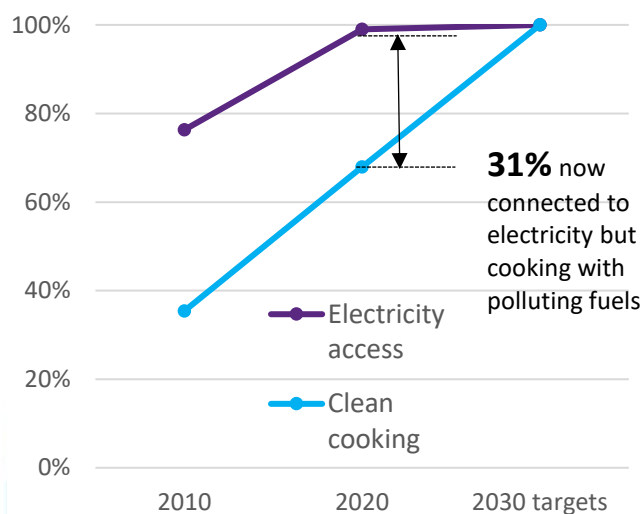


Current Situation: Electricity Access, Clean Cooking

- 97% have access to electricity¹.
- 70% of Indian households use LPG as their primary cooking fuel and 85% have LPG connections, however, as many as 54% households continue to use traditional solid fuels, either exclusively or by stacking them with LPG.²
- Around 5% of Indian homes use eCooking devices, with a higher prevalence in urban areas (10.3%) than rural areas (2.7%).³



Left: Electricity and clean cooking access, [World Development Indicators | The World Bank](#). Right: Primary cooking fuel use, [Which is the Primary Cooking Fuel in Indian Households? CEEW Study](#)

Potential for eCooking

- **97% of people are connected to electricity and not cooking with it** – Tier 1 cities like Delhi, Mumbai, Kolkata, Bengaluru can be easily targeted for eCooking as they have reliable electricity connections.
- **It is cheaper to cook with Electric Pressure Cookers:** 50% cheaper to cook beans on an EPC compared to induction cooktop, 60% cheaper compared to LPG⁴.
- 85% of the menu can be cooked on EPCs⁴.
- India is an **electricity surplus nation** with an installed capacity of 4,11,649 MW as of January 2023, which is 10% growth from last year, and the government is working towards demand stimulation⁵.
- Clean cooking is slowly gaining interest and Ministry of Power, Government of India has initiated a **massive campaign named “GoElectric” to promote eCooking** as well as EV.

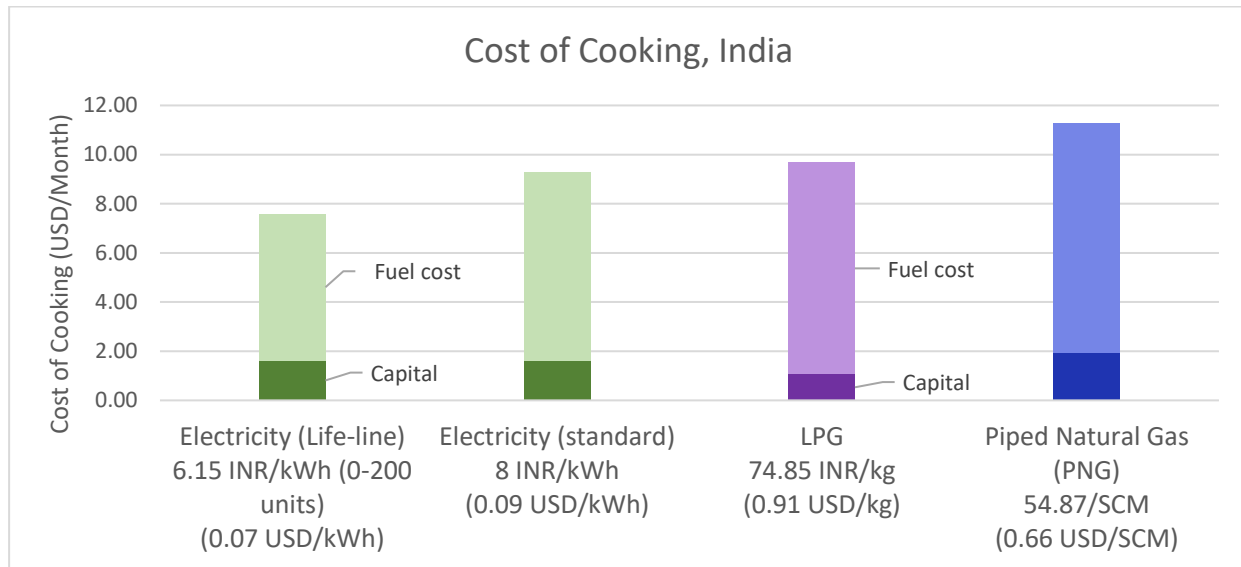
¹ [World Development Indicators | The World Bank](#)

² [Which is the Primary Cooking Fuel in Indian Households? CEEW Study](#)

³ [Are Indian Homes Ready for Electric Cooking Transition? CEEW Research](#)

⁴ [India-eCookbook-V2.1.pdf](#)

⁵ <https://powermin.gov.in/en/content/power-sector-glance-all-india>



Cost of cooking over a month, using energy demands from the MECS India eCookbook and local electricity/fuel prices, and including cost of appliance levelized over stove lifetime. Capital costs include utensils costs, and electric stove is an induction stove, LPG is a 2 burner stove, and PNG capital cost includes connection cost.

MECS programme activity

- Working with GGGI for establishment of a Centre of Excellence (CoE), focusing on cooking technologies based on modern energy/fuels.
- Working to support Indian manufacturers; multiple domestic and international connections for market access were made, with details as below:
 - Connected Realflame & Aufla with TaTEDO for EPC purchase from India
 - Connected Realflame & Aufla with Atec for manufacturing/procurement
 - Connected K Pay and MECS Programme under Pay-Go model for India
- Conducted an eCooking device mapping to study and analyse availability of eCooking devices in Indian markets.
- Conducted a survey entitled “In depth exploration of cooking with 100% electricity” in 14 households comprising of lower and medium income in Delhi and Pune to study and understand the weekly menu, consumer behaviour, cooking habits and cost analysis.

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