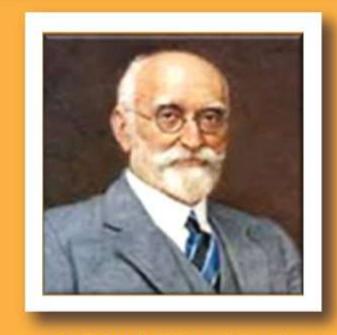


TATA TRUSTS



Sir Dorabji Tata Trust & Allied Trusts, 1932



Sir Ratan Tata Trust & Allied Trusts, 1919

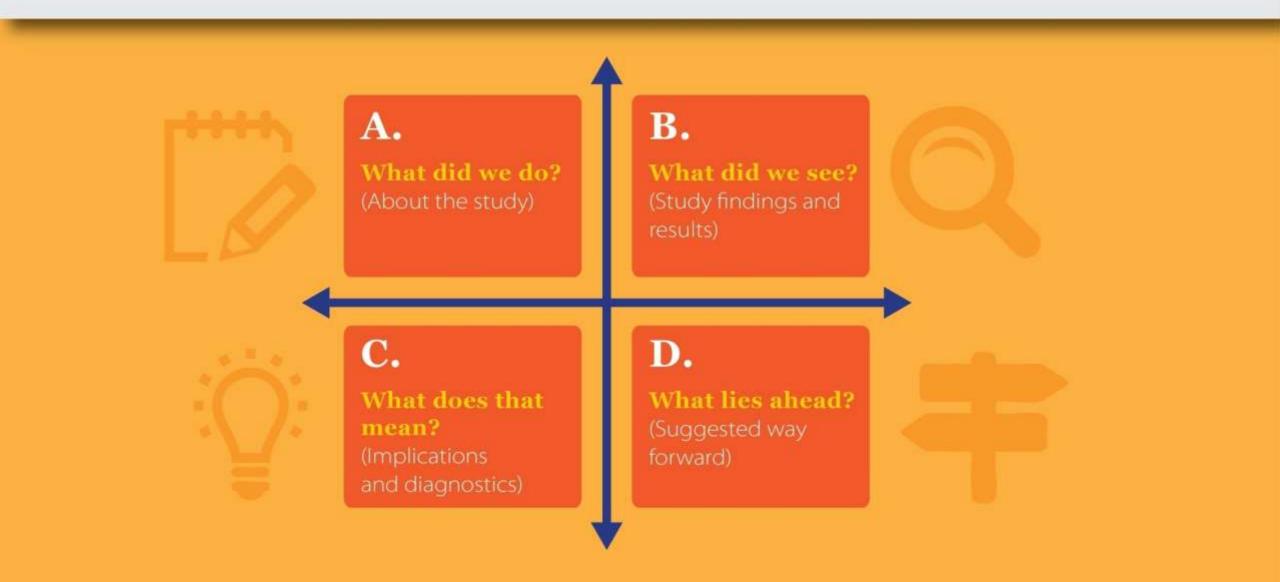
Annual Investment: INR 5.5 Bn

Outreach: 4 Mn Households

Geographic Spread



Presentation structure



Study objective

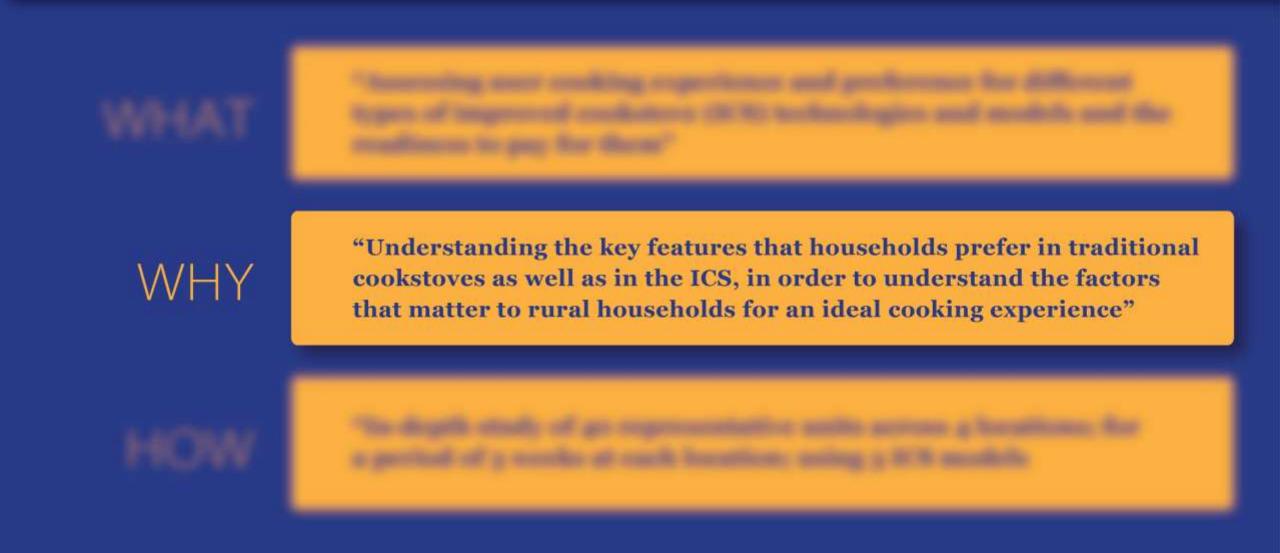
WHAT

"Assessing user cooking experience and preference for different types of improved cookstove (ICS) technologies and models and the readiness to pay for them"

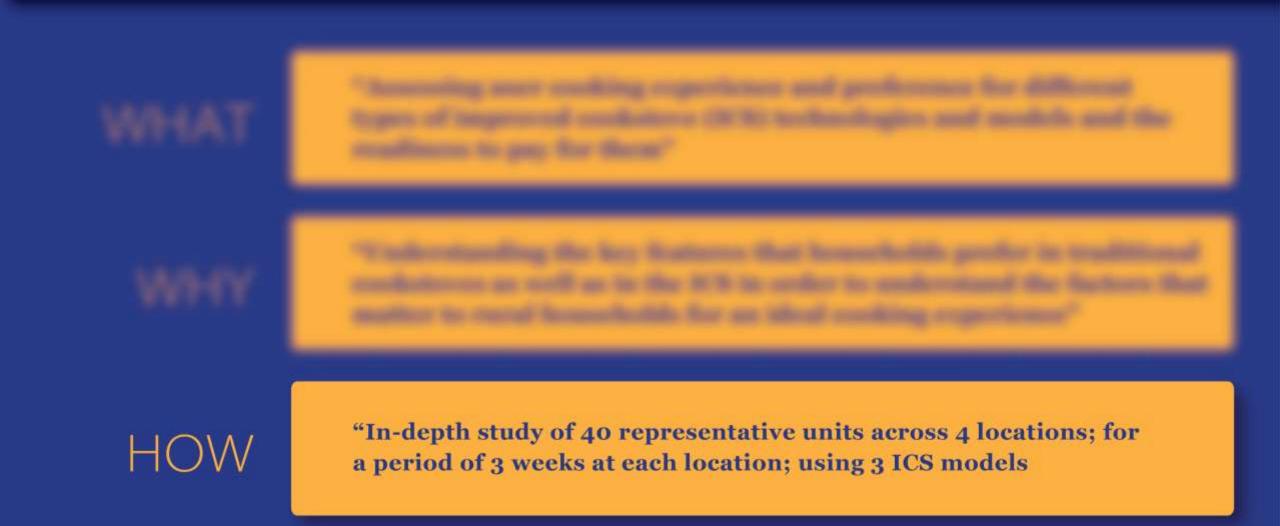


The displication of an expressionable scales across a boundary for a period of a mode of made boundary scaling a 0.5 models.

Study objective



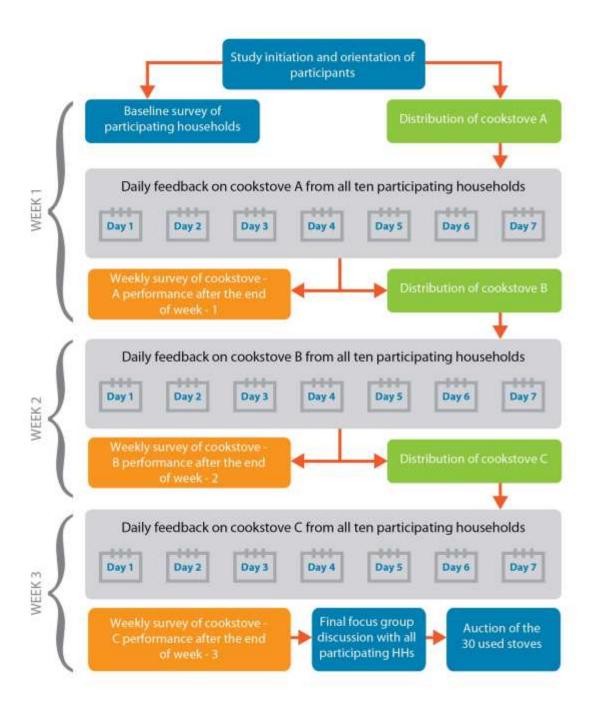
Study objective



Research design



- Multi-sited ethnographic method
- Anthropological approach to understand consumer behavior
- Mix research design
- Primary data and participatory observations
- Triangulation of findings



Research methodology



Household surveys

- Baseline survey
- Daily feedback recording
- Weekly feedback recording



Focus Group Discussions (FGDs)



Weighted Ranking / Scoring



Auction

Research methodology



Household surveys

- Baseline survey
- Daily feedback recording
- Weekly feedback recording



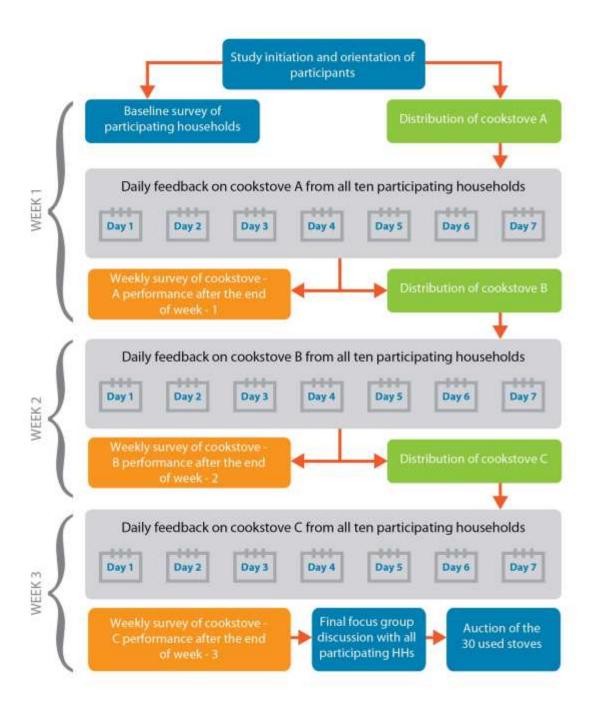
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Research methodology



Household surveys

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- Daily feedback recording
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Focus Group Discussions (FGDs)



Weighted Ranking / Scoring



Auction

Scope of the study



Traditional cookstoves vs. Improved cookstoves (ICS)

- Problems with the existing stoves
- Acceptance and value addition of the ICS
- Relative advantages of the ICS as well as traditional stoves

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Comparison of stove models

- Preferred model(s) and reasons
- Features liked / disliked / desired / expected
- Feedback on ICS

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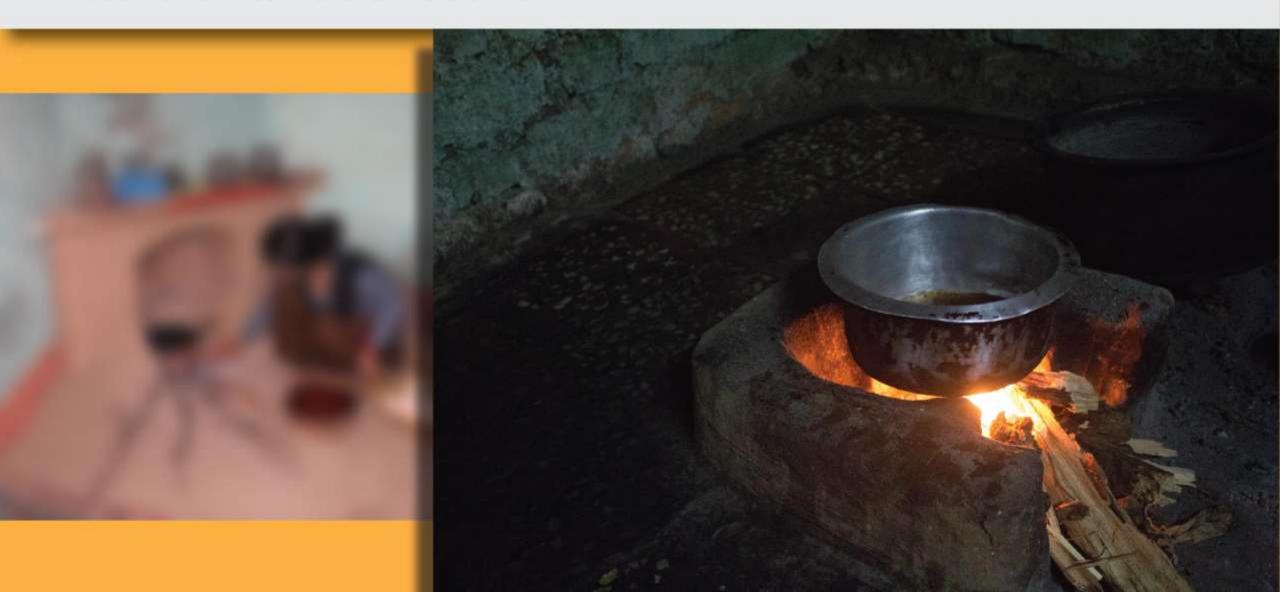
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Socio-economic or geographic difference

- Variation (if any) in user preference, behavior and demand pattern across locations
- Variations within the same region, because of socio-economic factors



Traditional Cookstove



Traditional Cookstove with chimney



Traditional cookstove vs. Improved cookstove





Very high smoke emission



Fuel consumption 5-7 kg/day



Time taken per meal is 3 hours average





Smoke emission reduced by 50-60%



Fuel consumption reduced by 40%



Time taken per meal reduced by 50%

Traditional cookstove vs. Improved cookstove



Advantages of traditional stoves

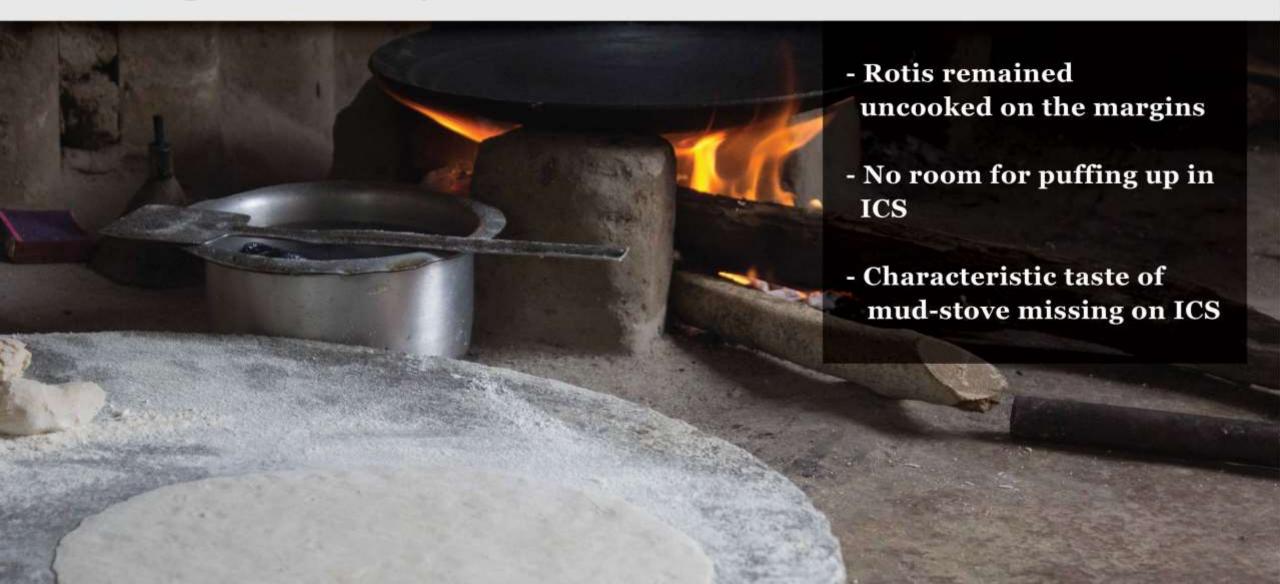
- Familiarity
- Ease of roti-making
- Free of cost
- Could be made new each time by plastering mud



Advantages of ICS

- Reduction in smoke
- Lesser time taken to cook
- Lesser wood consumption
- Portable
- Safe

Making rotis: Why did the traditional stove fare better?



Stove portability



- Flexibility to cook indoors as well as outdoors
- Cook under brighter indoor lighting
- Can multitask with other chores indoors
- Ease of cleaning by lifting
- Can cook near the television

Summing up the 'wish list'





Convenient shape and design (similar to mud-stoves)

- Appropriate height
- Proper pot-holding support for vessel



Durability and robustness



Smoke reduction



Efficient wood consumption



Time saving in cooking



Consistent flame



Affordable price

What mattered where?

Dahod

Medium awareness on ICS but never used

Average annual income: INR 1,20,000

Proportion of BPL Households: 30%

"Wood availability not a concern; distance is"

Mukteshwar

Awareness and exposure quite high

Average annual income: INR 1,50,000

Proportion of BPL Households: 40%

"Wood availability not a concern; distance is"

Yadgir

Extremely poor awareness levels

Average annual income: INR 40,000

Proportion of BPL Households: 100%

"Wood availability not a concern; distance is"

Dholpur

Medium awareness

Average annual income: INR 90,000

Proportion of BPL Households: 100%

"Wood availability not a concern; distance is"

What mattered where?

Dahod

Product design and ease of usage

Perceived durability / robustness

Performance (time taken in cooking)

Mukteshwar

Product design and ease of usage

Perceived durability / robustness

Performance (time taken in cooking)

Aspirational value

Yadgir

Product design and ease of usage

Perceived durability / robustness

Affordability and pricing

Dholpur

Perceived durability / robustness

Performance (time taken / smoke)

Group behaviour and peer pressure

And what did not matter?

Dahod

Fuelwood consumption and smoke emission did not factor in decision making

Mukteshwar

Price not a factor

Yadgir

Health benefits of the stoves were not appreciated

Dholpur

Pricing did not play much role

Understanding supply-side preparedness





Low cost technologies such as customized retrofits in the existing stoves

- Need for market building
- Strong need for IEC
- Also focus on people's aspirations
- Smoothening of all supply chain and distribution issues
- Need for stimulating and incubating more product and technology innovations

Going forward

- Promoting ICS at scale in defined geographies
 - Broad demand assessment
 - Ensuring supply of good quality and affordable ICS models to ensure consumers get a range of options to choose from
- Can not fully substitute traditional cooking systems; substitution can only be partial and gradual
- Role of IEC and engagement of men as well as women essential



"We want a stove that has a flame like an LPG stove, appearance like the ICSs and the ease of usage as that of a mud stove."

