

Cooking Energy Access and Use Survey 2020

Questionnaire | March 2021

Shaily Jha, Sasmita Patnaik, Carlos F. Gould, Sunil Mani, Shalu Agrawal, Johannes Urpelainen,
and Abhishek Jain

Refer to the detailed study based on the dataset:

Are India's Urban Poor Using Clean Cooking Fuels? Insights from Urban Slums in Six States

Shaily Jha, Sasmita Patnaik and Rithima Warriar

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Instructions for the interviewers:

- All questions are compulsory unless otherwise stated.
- Please follow the instructions for each question, where relevant. These are shown in a specific colour; not to be read aloud to the respondents, unless specified.
- Unless specified, list of options not to be read aloud; only one option to be marked.
- Codes: MC – multiple choice, SC – Single choice

INTRODUCTION
<p><i>[Show ID card to the household member and request to meet the primary cook from the household. If the primary cook is not available, ask for a suitable time to come back for the survey. Start the interview if primary cook is available and willing to speak.]</i></p> <p>Good _____! My name is _____. I work with Market-Xcel, an organization that conducts surveys in India. Your household has been selected to participate in a short survey. The survey is led by the Council on Energy, Environment and Water in association with Johns Hopkins University. The survey aims to understand the state of access to cooking energy. Any personal/identification details will be kept strictly confidential and only anonymized aggregated information will be used for research purposes only. I would be highly obliged if you can spare some time. This would not last for more than 45 minutes. Thank you.</p>

Would you like to participate in the survey?	1 Yes	0 No
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SECTION – 1 Household consent

Q100. Type of household

Rural	1
Urban	2

Q101. Is the respondent the primary cook?

Yes	1	CONTINUE
No	0	TERMINATE

Q 101. Did the primary cook agree to be interviewed?

		Q102. Reason
Yes	1	
No	0	

If yes to Q101, (FILL CONSENT FORM)

SECTION – 2 Household demographics

Q201. Name of respondent

Q202. Age

Age –

(Fix between 18 – 100)

Q203. Gender of the respondent (*OBSERVE AND CODE, DO NOT ASK*)

Female	1
Male	0

Q204. What is your marital status?

Never married	1
Married with spouse	2
Remarried	3
Divorced	4
Separated	5
Widowed	6

Ask Q204.1 if coded 2/3 in Q204.

Q204.1 For how long have you been married?

Years:

Q205. What is the highest level of education achieved by you?

No Formal Education	1
Primary	2
Secondary	3
High School	4
Diploma	5
Graduate	6
Post Graduate	7
Professional Degree	8
Don't know	99

Q206 Who is the household head?

Self	1
Spouse	2
Mother/Mother-in-law	3
Father/Father-in-law	4
Daughter/Daughter-in-law	5
Son/Son-in-law	6
Brother/Brother-in-law	7
Sister/Sister-in-law	8
Other, specify	9

SKIP to 212 IF CODED 1 IN Q206

Q208 Age of head of the household

Age –

Q210. What is the highest level of education achieved by the household head?

No Formal Education	1
Primary	2
Secondary	3
High School	4
Diploma	5
Graduate	6
Postgraduate	7
Professional Degree	8
Don't know	99

Q211. Primary occupation of the head of the household?

Housework	1
Farming on own land	2
Cultivation on leased land	3
Farm labourer	4
Non-farm labourer	5
Government salaried job	6

Private salaried job	7
Self-employed/Freelancer	8
Shop	9
Business/trade	10
Retired	11
Studying	12
Unemployed	13
Job searching	14
Other, specify _____	15

Q212. Religion (of the primary cook)

Hindu	1
Muslim	2
Others, please specify	3

Q213. Government caste (of the primary cook)

Government caste category	Code
Schedule caste (SC)	1
Scheduled Tribe (ST)	2
Other backward class (OBC)	3
General	4
Others please specify	5
Don't know/Can't say	99

Ask Q213.1 if coded 1/3/4 in Q213

Q213.1 What is your sub-caste (jati)?

Q214. Who is the primary decision maker for monthly household expenses?

Self (Skip to 218)	1
Household Head (Skip to 218)	2
Spouse	3
Mother/Mother-in-law	4
Father/Father-in-law	5
Daughter/Daughter-in-law	6
Son/Son-in-law	7
Brother/Brother-in-law	8
Sister/Sister-in-law	9

Other, specify _____	10
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Skip to Q218 if coded 1 or 2 in Q214

Q216. What is the education level of the primary decision maker for monthly household expenses?

No Formal Education	1
Primary	2
Secondary	3
High School	4
Diploma	5
Graduate	6
Postgraduate	7
Professional Degree	8
Don't know/Can't say	99

Q217. What is the primary occupation of the primary decision maker for monthly household expenses?

Housework	1
Farming on own land	2
Cultivation on leased land	3
Farm labourer	4
Non-farm labourer	5
Government salaried job	6
Private salaried job	7
Self-employed/Freelancer	8
Shop	9
Business/trade	10
Retired	11
Studying	12
Unemployed	13
Job searching	14
Other, specify _____	15

Q218. Which government ration card does your household have?

Ration card	Code
APL	1
BPL	2
Antyodaya	3
Others, please specify	4
Do not have ration card	0

Q219. Number of adults (above 18 years) living in this household permanently (as of now)

Males –
Females -

(Fix between 0 -30)

Q220. Number of children (0-18 years) residing in the household as of now

(Fix between 0 -30)

Q221. How many children (0-18 years) are currently studying?

(Should be less than value coded in Q220)

Q222. Does everyone in your household have an AADHAAR card?

Yes	1
No	0

If coded 0 in Q221 , ask Q221.1

Q222.1 Which member of the household does not have adhaar card? MC

Self	1
Spouse	2
Son/Son-in-law	3
Daughter/Daughter-in-law	4
Mother/Mother-in-law	5
Father/Father-in-law	6
Brother/Brother-in-law	7
Sister/Sister-in-law	8
Grandchildren	9
Other, specify _____	10

Q224. What is the household's main source of information for news?

	Code
News paper	1
Television	2
Radio	3
Internet/online sources	4
Social Media (Facebook, WhatsApp, Twitter, etc.)	5
Word of mouth	6

Others, specify_____	7
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SECTION – 3 Economic activity

Q301. What is the primary source of income for your family? (SC)

	Code
Agriculture on own land	1
Cultivation on leased land	2
Casual agricultural labor	3
Government salaried job	4
Private salaried job	5
Cattle rearing	6
Daily labourer/Non-farm labourer	7
Self-employed/Freelance work	8
Petty business/ shop	9
Business/ trade	10
Pension	11
Remittances	12
Other (specify)_____	13

Q302. Please see this **card**. Considering the income from all sources that you just mentioned, under which monthly income category does your household fall?

(Interviewer to display showcards to respondents and code accordingly)

	Code
No financial income	1
Up to Rs. 5000	2
Rs. 5,001 - Rs. 10,000	3
Rs. 10,001 to 20,000	4
Rs. 20,001 – Rs. 30,000	5
Rs, 30,001 to 40,000	6
Rs. 40,001 – Rs. 50,000	7
Rs. 50,001 to 75,000	8
Rs. 75,001 – Rs. 1,00,000	9
Rs. 1,00,000 – Rs. 1,50,000	10
More than 1,50,000	11
NA/Do not want to reveal	88

Q303. How much is your expenditure on household needs (living and food expenses) in a typical month?

Rupees.

	Code
No financial expenses	0
Less than Rs. 1000	1
Rs. 1,001 - Rs. 2,000	2
Rs. 2,001 to 3,000	3
Rs. 3,001 – Rs. 4,000	4
Rs, 4,001 to 5,000	5
Rs. 5,001 – Rs. 7,500	6
Rs. 7,501 to 10,000	7
Rs. 10,001 – Rs. 12,500	8
Rs. 12,501 – Rs. 15,000	9
Rs. 15,001 – Rs. 20,000	10
Rs. 20,001 – Rs. 30,000	11
Rs. 30,001 – Rs. 50,000	12
Above Rs. 50,000	13
NA/Do not want to reveal	88

Q304. How many rupees did your household save last year? [Code 99 if Don't Know]

Rupees.

Q305. Does anyone in your household use a bank account?

Yes	1
No	0
NA/Don't know	99

Q306. Is your household currently indebted?

Yes	1
No	0
Don't Know	99

Ask Q306.1 if coded 1 in Q306

Q306.1 How much debt do you have in total? [Code 99 if Don't Know]

Rupees.

(fix between 1 – 1000000)

Q307. Who in your household makes decisions on purchase of durable goods? (MC)

Self	1
Spouse	2
Jointly (self and spouse)	3
Son/Son-in-law	4
Daughter/Daughter-in-law	5
Mother/Mother-in-law	6
Father/Father-in-law	7
Brother/Brother-in-law	8
Sister/Sister-in-law	9
Other, specify _____	10

Q309. Do you own the house you are currently living in?

	Code
Yes	1
No	0

Q310. Do you use the toilet in your house?

	Code
Yes	1
No	0
Do not have a toilet	2

Q311. What is the main source of water for your drinking needs? (SC)

Piped water supply	1
Tube well or borehole	2
Hand pump at home	3
Public or neighbour's hand pump	4
Public tap/standpipe	5
Tanker truck	6
Water well	7
Tank/pond/lake	8
River/canal	9

Canned water (like water bottles, camper etc.)	10
Others (Please Specify)	11

Q313. Do you have grid electricity (electricity supply) at home?

	Code
Yes	1
No	0

Ask Q313.1, Q313.2 if coded 1 in Q313.

Q313.1. How many hours in a day is electricity supply available in your house?

(Fix between 0-24 hours)

SKIP TO 314 IF CODED 24 IN 313.1

Q313.2. How many hours a day is electricity usually available at night (6 pm till 12 o' clock midnight)?

(Fix between 0-6 hours)

Now please let us know if you own the following items in your house

Question No.	Items	Yes	No
Q315	Do you own a radio?	1	0
Q316	Do you own a television?	1	0
Q317	Do you own a refrigerator?	1	0
Q318	Do you own Mobile Phone?	1	0
Q319	Do you own cupboard/almirah?	1	0
Q320	Do you own Inverter or battery?	1	0
Q321	Do you own a Fan?	1	0
Q322	Do you own an Air conditioner?	1	0
Q323	Do you own a Computer/laptop?	1	0
Q324	Do you own a Sofa?	1	0
Q325	Do you own a washing machine?	1	0
Q326	Do you own a Geyser/ water heater/ immersion rod?	1	0

Question No.	Items	Number
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		(Fix between 0-25)
Q 327	How many rooms does your house have?	
Q328	How many beds does your household own?	
Q329	How many bicycles does your household use?	
Q330	How many pressure cookers does your household own? (in use)	

(Fix between 0-25)

Question No.		Yes	No
Q331	Do you own a motorized 2-wheeler (examples: motor bike, scooter)?	1	0
Q332	Do you own a motorized 3/4-wheeler (examples: car, tractor)?	1	0
Q333	Is any household member a government employee?	1	0
Q334	Is any household member paying income tax or a professional tax?	1	0

Q335. How many *pucca* rooms are there in your house?

--

Q336. How many *kaccha* (and *semi pucca*) rooms are there in your house?

NA as house is pucca	88

Ask Q339 if coded 1 in Q100 - (*) Only for those HHs in rural areas)**

Q 337. How much land does your household own for agriculture? (Acre, Hectare, Others)

Units	
None	0

(Drop down for units)

Ask Q337.1 if coded more than 0 in Q337

Q337.1 How much land is irrigated? (Acre, Hectare, Others)

Units	
None	0

(Drop down for units)

Q338. Do you own a water pump for agriculture?

	Code
Yes	1
No	0

Ask Q341.1 if coded 1 in Q341

Q 338.1 What is the HP of the water pump? [Code 99 if don't Know]

(Fix between 0-25)

Q 339. How many cattle and livestock do you own?

Cows	
Buffaloes	
Fowls/chicken	
Cow Calves	
Buffalo calves	
Goats	
Camel	
Pigs	
Other animals	

(Fix between 0 – 100)

LIVELIHOODS (For all Households)

Q 343. Are you engaged in any income generating activity?

	Code
Yes	1
No	0

Ask Q 343.1 if coded 1 in Q343, [IF 343=0, SKIP to 345]

Q 343.1 What is the nature of the primary income generating activity?

	Code
Farming on own land	1
Cultivation on leased land	2
Farm labourer	3
Non-farm laborer	4
Government salaried job	5
Private salaried job	6
Self-employed/Freelance work	7

Petty business/ shop	8
Business/ trade ((sewing/handicraft/fishery/others))	9
Cattle rearing/Poultry farming	10
Other (specify)	11

Ask Q345 – 347 if coded 0 in Q343, [IF 343=1, SKIP TO 348]

Q345. If given an opportunity to undertake any income generating activity, would you like to be involved in any?

	Code
Yes	1
No	0

Ask Q 346, Q347 if coded 1 in Q345

[IF 345 =0, SKIP TO 347]

Q 346. As you said you would like to be involved in income generating activity, Which activity would you like to do **[READ ALL OPTIONS]**

	Yes	No	Specify if coded 1
Farm labourer	1	0	
Non farm laborer	1	0	
Farming on own land (Please specify the common crops)	1	0	
Self-help group run businesses, specify:	1	0	
Cattle rearing/Poultry farming	1	0	
Sewing or handicraft or other textile related work	1	0	
Local factory/industry cluster (Please Specify)	1	0	
Government salaried job	1	0	
Private salaried job	1	0	
Petty business/shop	1	0	
Self employed/freelance work	1	0	
Other, specify	1	0	
Don't know			
	99		

Q347. Is there any barrier preventing you from engaging in this activity currently? **[DO NOT PROMPT]**
Should not be able to code any other option if coded 1

	Code
No barrier	1
No opportunities exist in the area	2

No access to loan/capital	3
No permission to work	4
Do not have the time	5
Health conditions do not permit to work	6
Local politics do not allow me to work/ I am not allowed by other people in the area to work	7
Other, specify	8
Don't know	99

Q348. Are you a member of any self-help group in your area?

	Code
Yes	1
No	0
Don't know	99

SECTION – 4 Cooking energy specifics

Q400. Apart from yourself, who else in the household cooks, even just occasionally? [MC, except when coded 8]

Spouse	1
Mother/Mother-in-law	2
Father/Father-in-law	3
Daughter/Daughter-in-law	4
Son/Son-in-law	5
Brother/Brother-in-law	6
Sister/Sister-in-law	7
No one	8
Other, specify _____	9
Don't know	99

If Q 400 is coded 8, skip to q402

Q401. In the last week (7 days), about how often do they participate in cooking or cook a meal?

Several times each day	1
About once per day	2
A few times this week	3
About once this week	4
Not in this week	5
Don't know	99

4a. Cooking technologies

Q402. What cookstove does this household use for cooking most of the time, including cooking food, making tea/coffee, boiling drinking water? Please tell me the cookstove or device that is used for most of the time.

(Interviewer to display pictures)

Three-stone stove/open fire	1
Traditional solid fuel stove (mud stove) (non-manufactured)	2
Manufactured (improved) solid fuel stove	3
Liquid fuel stove (including kerosene, alcohol, ethanol, gasoline)	4
Liquefied petroleum gas (LPG) stove / PNG	5
Electric stove	6
Other, specify	7

Q403 should autocode based on Q402.

If coded 1, 2 or 3 in Q402: Only the first four options should be available in Q403 (1-4) + Others

If coded 4 in Q402: Only options 5, 6 and 7 should be available in Q403 + Others

If coded 5 in Q402: Auto-code to option 8, 11, 12 in Q403

If coded 6 in Q402: Auto-code to option 9 in Q403

Q403. What type of fuel or energy source does this household use most of the time in this cookstove or device for cooking food, making tea/coffee, and boiling drinking water?

Firewood	1
Agricultural or crop residue	2
Animal waste / dung	3
Charcoal/ Coal	4
Kerosene / paraffin	5
Alcohol / ethanol	6
Gasoline / diesel (not in generator)	7
Liquefied petroleum gas (LPG)	8
Electricity	9
Others, please specify	10
Piped natural gas (PNG)	11

Q404. What else does this household use for cooking (including cooking food, making coffee/tea, and boiling drinking water)? Please tell me all other cookstoves or devices used. (MC)

[SELECT ALL THAT APPLY]

No other cookstoves used	1
Three-stone stove/open fire	2
Traditional solid fuel stove (mud stove) (non-manufactured)	3
Manufactured (improved) solid fuel stove	4
Liquid fuel stove (including kerosene, alcohol, ethanol, gasoline)	5
Liquefied petroleum gas (LPG) stove / PNG	6
Electric stove	7
Other, specify: _____	8

Autocodes for Q404 and Q405 same as the ones between Q402 and Q403

If coded 2, 3 or 4 in Q404: Only the first four options should be available in Q405 (1-4) + Others

If coded 1 auto code option from Q402.

If coded 5 in Q404: Only options 5, 6 and 7 should be available in Q405 + Others

If coded 6 in Q404: Auto-code to option 8, 11 and 12 in Q405

If coded 7 in Q404: Auto-code to option 9 in Q405

Q405. What types of fuels or energy sources does this household use in other cookstoves or devices for cooking food, making tea/coffee, and boiling drinking water? [SELECT ALL THAT APPLY] [MC]

No other fuels used	0
Firewood	1
Agricultural or crop residue	2
Animal waste / dung	3
Charcoal/Coal	4
Kerosene / paraffin	5
Alcohol / ethanol	6
Gasoline / diesel (not in generator)	7
Liquefied petroleum gas (LPG)	8
Electricity	9
Other, specify	10
Piped natural gas (PNG)	11

Q406. Is the cooking usually done in the house, in a separate building, or outdoors?

(For interviewer: If in main house, probe to determine if cooking is done in a separate kitchen. If outdoors, probe to determine if cooking is done on veranda, covered porch, or open air)

In main house: no separate kitchen	1
In main house: separate kitchen	2
Outside of main house: in a separate kitchen	3

Outside of main house in open air	4
On veranda or covered porch	5
Other, specify	6

Q406.1 Does the household have an elevated slab for cooking?

	Code
Yes	1
No	0
Don't know	99

FOR HOUSEHOLDS WITH PNG STOVE (ASK Q407-Q409 IF Q403 or Q405 IS EQUAL TO 11, ELSE SKIP to Q508)

Q407 How many years have you been using PNG for? _____ (years)

Q408 How much do you spend per month on PNG use? _____ (INR)

Q409 What was the connection cost of getting PNG to your home? _____ (INR)

SECTION – 5: LPG users

**FOR HOUSEHOLDS WITH LPG STOVE
(if Q403 or Q405 NOT EQUAL TO 8, skip to Q556)**

[Enumerator to respondent: The next section will focus on your liquefied petroleum gas stove.]

Q508. How many years ago did your house begin to use LPG? [Code '0' if less than one year]

Years:	Fix between 1-100
0	Less than 1 year

Q508.1 Does your household have multiple LPG connections?

	Code
Yes	1
No	0

Q509. Did you receive the LPG connection under Pradhan Mantri Ujjwala Yojana (PMUY)?

	Code
Yes	1
No	0

Don't know	99
------------	----

Ask Q509.1 if coded 1 in Q509

Q509.1 Did you avail the loan under PMUY?

	Code
Yes	1
No	0
Don't know	99

Do not ask Q510 if coded more than 4 in Q508, [IF 508>4, SKIP TO 512]

Q510. Did the delivery person provide you with training on how to light your stove and use your stove safely?

	Code
Yes	1
No	0

5a LPG costs and refills

Q511. How much did it cost to get the LPG connection?

Rupees.

Q512. How many burners does your LPG stove have?

Number

Q513. Do you have an LPG connection with one cylinder or two?

	Code
One-cylinder connection	1
Two-cylinder connection	2

Q513.1 Have you ordered any LPG refills in the last one year?

Yes	1	Go to 514
No	0	SKIP to 547

Q514. Which cylinder sizes do you use on a regular basis? [MC]

	Yes	No	If coded 01 in Q514.1/Q514.2/Q514.3 [Code 0 if no refills done so far]
Q514.1. Large cylinder connection (14.2 kg)	1	0	Number of refills per year
Q514.2. Small cylinder connection (5 kg.)	1	0	Number of refills per year
Q514.3 Other size (please specify)	1	0	Number of refills per year

[IF 514.1= 0, SKIP to 519]

[IF 514.2=1, SKIP TO 519, IF 514.2=0, SKIP TO 523]

[IF 514.3=1 and 514.1 and 514.2 =0 skip to 547]

Q516. Does any large LPG cylinder in your household currently have the fuel in it?

	Code
Yes	1
No	0

Q517. How many weeks ago did you last fully refill your large LPG cylinder?

Weeks	
0	Less than 1 week

Q517.1 Do you refill the large cylinder for a few kgs?

	Code
Yes	1
No	0

Ask Q517.2 and Q517.3 if coded 1 in Q517.1

Q517.2 When you do a partial refill, how many kgs do you refill your cylinder with most of the time?

Kgs.

Q517.3 Where did you get that refill from?

	Code
--	------

Local shop	1
LPG distributor	2
Neighbor	3
Others (specify:	4

ASK ONLY IF CODED 1 in 513 and 0 in 514.2

Q 518. Would you be willing to use a 5 kg cylinder (as and when necessary along with the large cylinder) to help you cook most of your food on LPG?

	Code
Yes	1
No	0
Already using LPG for all cooking needs	2

Q521. Does any small LPG cylinder in your household currently have the fuel in it?

	Code
Yes	1
No	0

Q522. How many weeks ago did you last fully refill your small LPG cylinder?

Weeks	
-------	--

Q 522.1 Do you refill the small cylinder for a few kgs ?

	Code
Yes	1
No	0

Ask Q522.2 and Q522.3 if coded 1 in Q522.1

Q522.2 For how many kgs do you get the cylinder refilled locally?

KGs

Q522.3. From where did you get the cylinder refilled locally?

	Code
Local shop	1
LPG distributor	2

Neighbour	3
Others (specify...)	4

Q523. Do you have as much LPG as you need as of now or do you desire to have more LPG fuel in your home right now?

Give showcard to respondent

	Code
I have as much LPG as I would like right now	1
I would like to buy more LPG right now but I do not have the money	2
I would like to buy more LPG right now but cylinders are not available	3
Other, specify: _____	4

ASK Q524 ONLY IF CODED 1 IN BOTH 514.1 AND 514.2

Q524. Which cylinder did you refill last?

	Code
Large cylinder (14.2 kg)	1
Small cylinder (5 kg)	0

Q525. How much did you pay (gross amount without subsidy deduction) for your last LPG cylinder refill?

Rupees.

Q526. When do you expect to next refill your LPG cylinder?

Weeks

ASK ONLY IF CODED 1 IN BOTH 514.1 AND 514.2

Q527. Which cylinder would you want to refill?

	Code
Large cylinder (14.2 kg)	1
Small cylinder (5 kg)	0

Q528. Is the domestic gas cylinder delivered to your doorstep?

	Code
Yes	1
No	0

Ask Q528.1 if coded 1 in Q528, else if 528=0, SKIP TO 529

Q528.1 How much do you pay additionally for home delivery of the LPG cylinder, in addition to the price of the cylinder on the receipt?

Rupees.

[IF 528=1, SKIP TO 534]

Q529. What is the one-way distance in kilometers your household typically travels to acquire the domestic gas cylinder?

Kilometers

Q530. What type of transportation is usually taken to travel to acquire the domestic gas cylinder?

	Code
Walking	1
Motorcycle	2
Bus	3
Car	4
Bicycle	5
Shared transport	6
Rented vehicle	7
Other, specify	8

Q531. Where is the LPG cylinder delivered usually if it is not delivered at home?

	Code
Common service centre	1
Nearest distributor or agency	2
Neighbour's house	3
Nearby retail shop	4
Village community centres	5
Any other location in the village (specify: _____)	6
Other, specify	7
Don't know	99

Q 532. Which household member typically travels to acquire the domestic gas cylinder?

	Code
Self	1
Spouse	2

Daughter/Daughter-in-law	3
Son/Son-in-law	4
Father/Father-in-law	5
Mother/Mother-in-law	6
Brother/Brother-in-law	7
Sister/Sister-in-law	8
Neighbour	9
Other, specify:	10

Q533. Have you or any household member had to forgo work (or wages) to procure your LPG cylinder in the last year since today?

	Code
Yes	1
No	0

Q534. [REMOVED]

Q535. How many days does it usually take between placing an order for LPG refill and receipt of the cylinder?

(Interviewer: Use 0 days if the household receives the cylinder on the same day as placing the order)

Days - दिन

Q536. Who takes the decision (most of the time) of whether and when to order a refill?

	Code
Self	1
Spouse	2
Daughter/Daughter-in-law	3
Son/Son-in-law	4
Father/Father-in-law	5
Mother/Mother-in-law	6
Brother/Brother-in-law	7
Sister/Sister-in-law	8
Other, specify:	9

Q 537. Generally, who usually orders the refills?

	Code
Self	1
Spouse	2
Daughter/Daughter-in-law	3
Son/Son-in-law	4
Father/Father-in-law	5

Mother/Mother-in-law	6
Brother/Brother-in-law	7
Sister/Sister-in-law	8
Other, specify:	9

Q537.1 How do you place the order for a refill?

	Code
Call the distributor	1
Mobile App/Online website	2
Through SMS	3
Go to the distributor/gas agency	4
Other, specify:	5

5b LPG subsidies

Q538. Did you receive subsidy for your last LPG cylinder refill in your bank account?
Give show card to the respondent

	Code
Still repaying the PMUY loan	3
Gave up LPG subsidy	2
Yes	1
No	0
Don't know	99

ASK ONLY IF 538=1, ELSE SKIP TO 547

Q539. How much subsidy did you receive for your last LPG refill?

Rupees.	
Don't know	99

Q540. How did you first come to learn about subsidy on LPG refill?

	Code
From the distributor or gas agency	1
LPG Panchayat	2
Other household member, specify: _____	3
From Neighbor	4

From the officials of Oil Marketing Companies (Like Indian Oil Corporation Ltd, Hindustan Petroleum Corporation Ltd or Bharat Petroleum Corporation Limited)	5
Bank passbook/statement/ Bank officer	6
Text message / SMS	7
Advertisements (newspaper, television, radio, billboards)	8
Other, specify: _____	9

Q543. Who owns the bank account in which the subsidy comes?

	Code
Self	1
Spouse	2
Daughter/Daughter-in-law	3
Son/Son-in-law	4
Father/Father-in-law	5
Mother/Mother-in-law	6
Brother/Brother-in-law	7
Sister/Sister-in-law	8
Other, specify:	9

Q544. Who operates the bank account where you receive the subsidy?

	Code
Self	1
Spouse	2
Daughter/Daughter-in-law	3
Son/Son-in-law	4
Father/Father-in-law	5
Mother/Mother-in-law	6
Brother/Brother-in-law	7
Sister/Sister-in-law	8
Other, specify:	9

Q545. What do you primarily use your subsidy money for?

	Code
Buying the next LPG refill	1
Need based cash requirements	2
Do not use the account often	3
It remains in the account with the balance of funds and isn't used for any particular purpose	4
Other, specify	5
Don't know	99

Q546. What kind of challenges have you faced in receiving the LPG subsidy? (MC)

(Cannot code any other if coded 7)

	Code
Delay in receipt of subsidy	1
Subsidy went to a different bank account	2
Linking Aadhaar number with bank account was a challenge	3
No information on when or how much subsidy was transferred	4
Getting access to the money in the bank account	5
Other, specify: _____	6
No challenges faced	7

546.1 How much is the time lag between receiving the refill and credit of subsidy amount in the bank account?

Days	
99	Don't know

5c. LPG use

[Interviewer to read aloud: This section will focus on your use of the liquefied petroleum gas stove.]

**ASK Q547 to Q549 if Q405==8 and Q403==1 or 2 or 3 or 4
(LPG as secondary fuel and SF as primary fuel)**

Q547. How often do you use your LPG stove for cooking?

	Code
Several times each day	1
About once per day	2
A few times a week	3
About once a week	4
Occasionally/ whenever needed	5

Q548. Do you use LPG for all of your cooking needs, including cooking food, tea/coffee, and boiling water for household consumption?

	Code
Yes	1
No	0

Q549. Which of the following items do you cook using LPG on a regular basis? [MC] Read aloud all options

	Code
Chapattis/roti	1
Vegetables and lentils	2
Rice	3
Tea/snacks	4
Milk boiling	5
Water boiling for drinking	6
Meat/Chicken/Fish	7
Other, specify: _____	8

5d. Non-cooking LPG uses

Q550. Do you carry out any non-cooking related tasks with the LPG? (MC)

	Code
Heating water for bathing	1
Preparing fodder for animals	2
Heating the room	3
Other, specify: _____	4
None	99

5e. LPG perceptions

Q551. Generally, how satisfied are you with the LPG situation in your household?

Unsatisfied	Neutral	Satisfied
0	1	2

Q552. Are there any negative aspects of using LPG? (MC)

Cannot code any other option if coded 12

Too expensive to consume	1
Irregular fuel availability	2
Too far to procure	3
Poor maintenance services	4
LPG is unsafe to use	5
Family members don't like the taste of food cooked on gas	6
Does not heat the home	7
Not enough burners for some foods	8

Not hot enough for some foods	9
LPG not suitable for current utensils	10
Others, please specify	11
No negative aspects	12

Q553. Are there any positive aspects of using LPG?

Cannot code any other option if coded 9

Free from smoke	1
Very convenient to use	2
Saves cooking time	3
Very safe to use	4
Very good quality of cooking	5
Kitchen / walls are cleaner	6
Utensils / cookware will be easy to clean	7
Others, please specify	8
No positive aspects	9

[IF 508 is less than or equal to 1, SKIP TO 556]

Ask Q554 and Q555 if coded more than 1 in Q508.

Q554. Do you save time while cooking on LPG as compared to cooking with biomass?

	Code
Yes	1
No	0
NA	88

ASK ONLY IF CODED 1 in Q554

Q555. What do you do with the time saved as a result of switching from biomass to LPG-based cooking?
(MC)

	Code
Watch television/mobile or engage in other leisure activities	1
Spending more time with family/friends	2
Involve in income generating activities	3
Reading/Studying	4
Undertake other household chores	5
Other, specify: _____	6

[IF 402 = 5 OR 404 = 6 OR 406 = 8, SKIP TO 561]

Q556 – Q560 is only for households without LPG STOVE

5f. LPG non-adoption

Q 556. Why have you not yet acquired an LPG stove?

		Yes	No
556.1	Is it not available or too far from your village to obtain?	1	0
556.2	Is it too expensive to install an LPG connection?	1	0
556.3	Is the monthly expense of LPG too expensive?	1	0
556.4	Don't know how to get or whom to ask?	1	0
556.5	Others, please specify		

Q557. How much do you think it costs to acquire an LPG connection?

Rupees	
99	Don't know

Q557.1 Have you heard of Pradhan Mantri Ujjwala Yojana?

	Code
Yes	1
No	0

Q558. How much do you think a large LPG cylinder refill cost?

Rupees

Q559. Would you be willing to pay some amount of money to get an LPG connection?

	Code
Yes	1
No	0

Ask Q559.1 if coded 1 in Q559

Q559.1 Would you be willing to pay [RANDOMIZE: 3000, 2500, 2000, 1500, 1000] rupees for an LPG connection if we gave you 6 months to pay off the cost?

	Code
Yes	1
No	0

Q560. In your opinion, are there any negative aspects of using LPG? (MC)

Cannot code any other option if coded 12

Too expensive to consume	1
--------------------------	---

Irregular fuel availability	2
Too far to procure	3
Poor maintenance services	4
LPG is unsafe to use	5
Family members don't like the taste of food cooked on gas	6
Does not heat the home	7
Not enough burners for some foods	8
Not hot enough for some foods	9
LPG not suitable for current utensils	10
Others, please specify	11
No negative aspects	12

Q560.1 In your opinion, are there any positive aspects of using LPG?

Cannot code any other option if coded 9

Free from smoke	1
Very convenient to use	2
Saves cooking time	3
Very safe to use	4
Very good quality of cooking	5
Kitchen / walls are cleaner	6
Utensils / cookware will be easy to clean	7
Others, please specify	8
No positive aspects	9

5g. LPG panchayats

This section is only for ALL LPG Households.

ASK Q561 IF CODED 1 IN Q509, ELSE SKIP TO 601

Q561. Was there any LPG Panchayat conducted in your area?

	Code
Yes	1
No	0
Don't Know	99

Ask Q562 – Q567 if coded 1 in Q561.

If coded 0 in Q561, skip to Q601.

Q562. Did you attend any LPG Panchayat so far?

	Code
--	------

Yes	1
No	0

**[IF 562 = 0, ASK 563,
if Q562 = 1, SKIP to 564]**

Q563. Did anyone from your household attend the LPG Panchayat?

	Code
Yes	1
No	0

if Q563 = 0, skip to Q601.

Ask Q564 – Q567 if coded 1 in Q563

Q564. Who all were present in the Panchayat? (MC)

	Code
LPG distributor	1
Officials from Oil Marketing Companies	2
Ujjwala LPG users	3
Non-Ujjwala or older LPG users	4
Representatives from NGOs	5
Gram Panchayat officials/Ward officers/other government officers	6
Other, specify: _____	7
Don't know	99

Q565. What were the topics covered in the Panchayat? (MC) (Do not prompt)

	Code
Steps for using LPG safely	1
Health benefits of using LPG	2
Impact of using <i>chulha</i> on health	3
Economic benefits of using LPG over solid fuel	4
How to get a new LPG connection	5
LPG subsidy transfer mechanism	6
Linking Aadhaar with bank account or bank account with LPG consumer number	7
Other, specify	8
Don't know	99

Q566. [REMOVED]

Q567. How useful did you find the LPG Panchayat in addressing your queries and concerns?

Not useful at all	Somewhat useful (addressed some queries/concerns, not all of them)	Was very useful in addressing my major queries and concerns
1	2	3

SECTION – 6 Solid fuel users

[IF (403 = 5 OR 6 OR 7 OR 8 OR 9) OR (405 = 5 OR 6 OR 7 OR 8 OR 9), THEN SKIP TO 701]
Q601 to Q626 will only be asked to the households who use solid fuels

(Interviewer to read aloud: In this section we will discuss the use of solid fuels for household energy needs. Here, “solid fuels” means fuels like firewood, dung, agricultural residues, and charcoal. In other words, fuels that are not liquid or electricity)

Q601. Does the stove where you cook with solid fuels most of the time have a chimney?

	Code
Yes	1
No	0

6a. Solid fuel cooking uses

Q602. How often do you use solid fuels for cooking?

	Code
Several times each day	1
About once per day	2
A few times a week	3
About once a week	4
Occasionally/ whenever needed	5

SKIP to 604 if coded 5 in 602

Q603. Which of the following items do you cook using solid fuels on a regular basis? (MC) Read all options

	Code
Chapattis/roti	1
Vegetables and lentils	2
Rice	3
Tea/snacks	4
Milk boiling	5
Water boiling for drinking	6

Meat/Chicken/Fish	7
Other, specify: _____	8
None	99

Q604. Do you burn solid fuel for any non-cooking related tasks at any point during the year? (MC) Read all options

	Code
Heating the room	1
Preparing fodder for animals	2
Heating water for bathing	3
Other, specify: _____	4
None	99

Ask Q605 – Q607 if coded 1 in Q604. In coded 2/3/4 in Q604, skip to Q608.

Q605. How many months during the year do you use room heating?

Months

(Fix between 0-12). [CANNOT BE GREATER THAN 12 MONTHS]

Q606. How much of your household is heated during this period of time? (MC)
[SELECT ALL THAT APPLY]

	Code
Whole house	1
Bedroom(s)	2
Common hall	3
Verandah	4
kitchen	5
Other, specify: _____	6

Q607. During the months when you use space heating, about how many hours of the day do you heat rooms with solid fuels?

Hours per day

(Fix between 0-24)

[IF 604 not equal to 2, SKIP TO 612], Ask Q608-Q611 if coded 2 in Q604

Q608. How many months during the year do you cook for animals with solid fuels?

Months

Q609. During the times when you cook for animals, about how many days of the week do you cook for animals?

Days

Q610. On those days when you cook for animals, about how many hours of the day do you spend cooking for animals?

Less than 30 minutes	1
30 minutes – 1 hour	2
1 – 2 hours	3
More than 2 hours	4

Q611. When you cook for the animals, do you cook for animals with solid fuels inside or outside?

	Code
Inside	1
Outside	2
Both inside and outside	3

[IF 604 not equal to 3, SKIP TO 616], Ask Q612-Q615 if coded 3 in Q604

Q612. For how many months in the year do you use solid fuels for heating water for bathing?

Months

Q613. During the times when you use solid fuels for heating water for bathing, about how many days of the week do you heat water for bathing?

Days

Q614. On those days when you heat water for bathing, about how many hours of the day do you spend heating water for bathing?

Less than 30 minutes	1
30 minutes – 1 hour	2
1 – 2 hours	3
More than 2 hours	4

Q 615. When you heat water for bathing, do you heat water with solid fuels inside or outside?

In main house: no separate room	1
In main house: separate room	2
Outside of main house: in a separate room	3
Outside of main house in open air	4
On veranda or covered porch	5
Other, specify	6

6b. Solid fuel costs

[IF (403 \neq 1) OR (405 \neq 1), THEN SKIP TO 622]

Q616. [REMOVED]

Q617. How is the firewood acquired most of the time? [READ ALL OPTIONS]

	Code
Collected	1
Purchased	2
More collected than purchased	3
More purchased than collected	4

ASK Q618 to Q621 if coded 1/3 in Q617, else skip to Q621.1

Q 618. Who typically goes to collect firewood most of the time? (MC)

	Code
Self	1
Spouse	2
Other male members of the household	3
Other female members of the household	4
Male children of the household (below 18 years)	5
Female children of the household (below 18 years)	6
Others (specify) _____	7

Q619. On a single trip, how long does it take for this person to go collect the fuel, get the fuel, and come back?

Hours

Q620. What is the one-way distance travelled to collect the fuel?

Kilometers

Q621. In the past month (the last 30 days), how many times has this person collected this fuel for household use?

Times

Q621.1 How much do you spend monthly (on an average to purchase firewood)

_____ (INR)

[IF 403≠2 OR 405≠2, SKIP TO 623]

Q622. How often do you cook using agricultural residues?

	Code
Several times each day	1
About once per day	2
A few times a week	3
About once a week	4
Occasionally/ whenever needed	5

[IF (403 ≠ 3) OR (405 ≠ 3), THEN SKIP TO 623.1]

Q623. How often do you cook using dung cakes?

	Code
Several times each day	1
About once per day	2
A few times a week	3
About once a week	4
Occasionally/ whenever needed	5

SKIP 623.1 to 623.5 if coded 5 in 623

Q623.1. Typically, how many dung cakes do you use per week for cooking only?

Q 623.2 How is the dung cake prepared/acquired most of the time? [READ ALL OPTIONS]

	Code
Prepared at home/Collected	1
Purchased	2
More prepared/collected than purchased	3
More purchased than prepared/collected	4

ASK Q623.2 to Q623.5 if coded 1/3 in Q617, else skip to Q623.6

Q 623.3 Who typically prepares the dung cakes most of the time? (SC)

	Code
Self	1
Spouse	2
Son/Son-in-law	3
Daughter/Daughter-in-law	4
Mother/Mother-in-law	5
Father/father-in-law	6
Brother/Brother-in-law	7
Sister/Sister-in-law	8
Others (specify) _____	09

Q623.4 On an average how much time does it take to prepare dung cakes?

Hours/week

Q623.5 How much do you spend monthly (on an average to purchase dung cakes)?

Rupees

[IF 403=/=4 OR 405=/=4, SKIP TO 624]

Q623.6 How often do you cook using charcoal?

	Code
Several times each day	1
About once per day	2
A few times a week	3
About once a week	4
Occasionally/ whenever needed	5

[IF 403=/=5 OR 405=/= 5, SKIP TO 624]

Q623.7 How often do you cook using kerosene?

	Code
Several times each day	1
About once per day	2
A few times a week	3
About once a week	4
Occasionally/ whenever needed	5

6c. Solid fuel perceptions

Q624. Generally, how satisfied are you with the solid fuel situation in your household?

Unsatisfied	Neutral	Satisfied
0	1	2

Q625. Are there any negative aspects of using solid fuels? (MC) [DO NOT PROMPT]

Too smoky	1
Poor fuel availability	2
Difficulty procuring fuel	3
Cooking on traditional stove is unsafe	4
Cooking using solid fuels requires a lot of preparation	5
Dampness	
Takes too long to start the fire	6
Others, please specify	7
No negative aspects	8

Q626. Are there any positive aspects of using with solid fuels? (MC) [DO NOT PROMPT]

Fuel available at free of cost	1
Fuel is easily available	2
Food cooked on traditional stove tastes good	3
Traditional cooking practices used for a long time	4
Very good quality of cooking	5
By cooking with solid fuel, I am saving the expenditure on another fuel like LPG	6
Everyone at home prefers food cooked on <i>chulha</i>	7
Others, please specify	8
No positive aspects	9

SECTION – 7: Electric stove users

[IF (403 \neq 9) OR (405 \neq 9), THEN SKIP TO 709]

Q700. How many years ago did your house begin to use electric stoves?

Years Ago

Q701. What type of electric stove do you own? (MC)
(Interviewer to show pictures)

	Code
Coil stove	1
Induction stoves	2
Other, specify: _____	4

7a. Electric stove costs

Q702. How many burners does your electric stove have?

Number

(Fix between 1 – 5)

7b. Electric stove uses

Q703. How often do you use the electric stove for cooking?

	Code
Several times each day	1
About once per day	2
A few times a week	3
About once a week	4
Occasionally/ whenever needed	5

Q704. Do you use your electric stove for all of your cooking needs?

	Code
Yes	1
No	0

Q705. Which of the following do you cook with electric stoves on a regular basis? (MC) [READ ALL OPTIONS]

	Code
Chapattis/roti	1
Vegetables and lentils	2
Rice	3
Tea/snacks	4
Milk boiling	5
Water boiling for drinking	6
Meat/Chicken/Fish	7
Other, specify: _____	8

Q706. Generally, how satisfied are you with the electric stove situation in your household?

Unsatisfied	Neutral	Satisfied
0	1	2

Q707. What are some negative aspects of cooking with the electric stove? (MC) [DO NOT PROMPT]

Raises electricity bill too much	1
Concerned about blackouts and irregular electricity supply	2
Irregular, or not powerful enough heating	3
Don't have the proper cookware	4
Electric stove is unsafe to use	5
Family members don't like the taste of food cooked on electric stove	6
Other, specify: _____	7
No negative aspects	8

Q708. What are some positive aspects of cooking with the electric stove? (MC) [DO NOT PROMPT]

Free from smoke	1
Very convenient to use	2
Saves cooking time	3
Very safe to use	4
Very good quality of cooking	5
Kitchen / walls are cleaner now	6
Utensils / cookware won't get dirty	7
Other, specify: _____	8
No positive aspect	9
Free to use electricity/Saves cost on LPG	10

7c. Electric cooking appliances

	Item	you own a [*item*]?	how often do you use [*item*]?																			
Q709	Microwave	<table border="1"> <thead> <tr> <th></th> <th>Code</th> <th></th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>1</td> <td>Continue</td> </tr> <tr> <td>No</td> <td>0</td> <td>Skip to 710</td> </tr> </tbody> </table>		Code		Yes	1	Continue	No	0	Skip to 710	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Every day</td> <td>1</td> </tr> <tr> <td>A few times a week</td> <td>2</td> </tr> <tr> <td>A few times a month</td> <td>3</td> </tr> <tr> <td>A few times a year</td> <td>4</td> </tr> </tbody> </table>		Code	Every day	1	A few times a week	2	A few times a month	3	A few times a year	4
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Q710	Hot water kettle	<table border="1"> <thead> <tr> <th></th> <th>Code</th> <th></th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>1</td> <td>Continue</td> </tr> <tr> <td>No</td> <td>0</td> <td>Skip to 711</td> </tr> </tbody> </table>		Code		Yes	1	Continue	No	0	Skip to 711	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Every day</td> <td>1</td> </tr> <tr> <td>A few times a week</td> <td>2</td> </tr> <tr> <td>A few times a month</td> <td>3</td> </tr> <tr> <td>A few times a year</td> <td>4</td> </tr> </tbody> </table>		Code	Every day	1	A few times a week	2	A few times a month	3	A few times a year	4
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Q711	Electric Toaster	<table border="1"> <thead> <tr> <th></th> <th>Code</th> <th></th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>1</td> <td>Continue</td> </tr> <tr> <td>No</td> <td>0</td> <td>Skip to 712</td> </tr> </tbody> </table>		Code		Yes	1	Continue	No	0	Skip to 712	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Every day</td> <td>1</td> </tr> <tr> <td>A few times a week</td> <td>2</td> </tr> <tr> <td>A few times a month</td> <td>3</td> </tr> <tr> <td>A few times a year</td> <td>4</td> </tr> </tbody> </table>		Code	Every day	1	A few times a week	2	A few times a month	3	A few times a year	4
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Q712	Room heater	<table border="1"> <thead> <tr> <th></th> <th>Code</th> <th></th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>1</td> <td>Continue</td> </tr> <tr> <td>No</td> <td>0</td> <td>Skip to 713</td> </tr> </tbody> </table>		Code		Yes	1	Continue	No	0	Skip to 713	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Every day</td> <td>1</td> </tr> <tr> <td>A few times a week</td> <td>2</td> </tr> <tr> <td>A few times a month</td> <td>3</td> </tr> <tr> <td>A few times a year</td> <td>4</td> </tr> </tbody> </table>		Code	Every day	1	A few times a week	2	A few times a month	3	A few times a year	4
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Q713	Rice cooker (electric)	<table border="1"> <thead> <tr> <th></th> <th>Code</th> <th></th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>1</td> <td>Continue</td> </tr> <tr> <td>No</td> <td>0</td> <td>Skip to 801</td> </tr> </tbody> </table>		Code		Yes	1	Continue	No	0	Skip to 801	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Every day</td> <td>1</td> </tr> <tr> <td>A few times a week</td> <td>2</td> </tr> <tr> <td>A few times a month</td> <td>3</td> </tr> <tr> <td>A few times a year</td> <td>4</td> </tr> </tbody> </table>		Code	Every day	1	A few times a week	2	A few times a month	3	A few times a year	4
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SECTION 8: Fuel end-uses - meals, dishes, and stoves used

[IF [(403 = 1 OR 2 OR 3 OR 4 or 5) OR (405 = 1 OR 2 OR 3 OR 4 or 5)] AND [(403 = 6 OR 8 OR 9 or 11) OR (405 = 6 OR 8 OR 9 or 11)], PROCEED TO 801.1, ELSE SKIP TO 803]

THIS SECTION IS FOR HOUSEHOLDS THAT USE BOTH A SOLID FUEL AND A CLEAN FUEL

(Interviewer to read: Now, I am going to ask you to think about all of the times you used a stove or fuel in the past week, including cooking, heating water or milk, cooking for animals, or heating the space. I am going to list of a number of items and I'd like you to tell me if you carried out that task in the past week. If so, I'm then going to ask you to name all of the fuels you used to carry out this task in the past week.)

#	Task	Carried out	(a) Firewood	(b) Dung cakes	(c) Agri residues	(d) LPG/ PNG	(e) Kerosene	(f) Electricity	(g) Others , specify :									
Q801.1	Boil water	<table border="1"> <thead> <tr> <th></th> <th>Code</th> <th></th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>1</td> <td>Continue</td> </tr> <tr> <td>No</td> <td>0</td> <td>Skip to 801.2</td> </tr> </tbody> </table>		Code		Yes	1	Continue	No	0	Skip to 801.2							
	Code																	
Yes	1	Continue																
No	0	Skip to 801.2																
Q801.2	Boil milk	<table border="1"> <thead> <tr> <th></th> <th>Code</th> <th></th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>1</td> <td>Continue</td> </tr> <tr> <td>No</td> <td>0</td> <td>Skip to 801.3</td> </tr> </tbody> </table>		Code		Yes	1	Continue	No	0	Skip to 801.3							
	Code																	
Yes	1	Continue																
No	0	Skip to 801.3																
Q801.3	Make tea/ snacks	<table border="1"> <thead> <tr> <th></th> <th>Code</th> <th></th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>1</td> <td>Continue</td> </tr> </tbody> </table>		Code		Yes	1	Continue										
	Code																	
Yes	1	Continue																

		No	0	Skip to 801.4							
Q801.4	Cook vegetables										
			Code								
		Yes	1	Continue							
		No	0	Skip to 801.5							
Q801.5	Cook rice										
			Code								
		Yes	1	Continue							
		No	0	Skip to 801.6							
Q801.6	Cook chapatti/ roti										
			Code								
		Yes	1	Continue							
		No	0	Skip to 801.7							
Q801.7	Cook meat/ fish										
			Code								
		Yes	1	Continue							
		No	0	Skip to 801.8							
Q801.8	Heat water for bathing										
			Code								
		Yes	1	Continue							

		No	0	Skip to 801.9							
Q801.9	Cook food for animals										
			Code								
		Yes	1	Continue							
		No	0	Skip to 802							

Q802. Did you use multiple stoves simultaneously during any cooking meals in the past week?

	Code
Yes	2
Multiple stoves used, but not at the same time	1
No, I used only 1 stove each session	0

CHANGES IN FUEL USE BY TIME OF YEAR

Use the following codes for Q803-Q806.

	Code
Firewood	1
Dung cakes	2
Agricultural residues	3
LPG	4
Kerosene	5
Electricity	6
Others (specify) _____	7
PNG	8

(Interviewer to read: In this section we will discuss which you use during different times of the year. Thinking about the way you use all of your fuels, indicate which is the fuel you use most of the time during each time of year

I would like you to tell me which stove you use most of the time during the _____ [example: summer] time.

Question Number	Season	(1) Primary
Q803.	Summer	

Q804.	Winter	
Q805.	Rainy	
Q806.	Festivals/Special occasions	

SECTION – 9 Willingness-to-pay for cooking services

[IF 403=/=8 OR 405=/=8, SKIP TO SECTION 10 i.e., Q1001]

Q900. Do you find the current price of LPG refill affordable?

	Code
Yes	1
No	0

Ask Q900.1 if coded 0 in 900, else skip to 901 if coded 1

Q900.1 What amount would you be willing to pay for the LPG refill?

Rupees.

ASK 901 if coded 1 in 513, else skip to 901.3

[Interviewer to read aloud: Having a second cylinder in the household may facilitate transition periods when you run out of domestic gas and need it refilled. During that period of time, a second cylinder can ensure that you always have gas.]

Q901. Considering this information, would you be willing to pay [RANDOMIZE: 600, 800, 1000, 1200, 1400, 1600] to own a second cylinder of gas if we gave you 6 months to pay off the cost?

	Code
Yes	1
No	0

Ask Q901.1 if coded 0 in Q901

Q901.1 Why would you not be willing to pay?

	Code
Do not have that much resources to buy second cylinder	1
It is not worth the investment	2
I do not need another cylinder of gas	3
Other, specify: _____	4

[IF coded 0 in Q901, SKIP TO 901.3]

Q901.2 How much would you be willing to pay for owning an additional cylinder of domestic gas?

Rupees

[IF [(403 = 1 OR 2 OR 3 OR 4) OR (405 = 1 OR 2 OR 3 OR 4)] AND [(403 = 8 OR 9 or 11) OR (405 = 8 OR 9 or 11)], PROCEED TO 1001.1, ELSE SKIP to 1001]

THESE QUESTIONS 901.3 to 901.9 are FOR HOUSEHOLDS THAT USE BOTH A SOLID FUEL AND A CLEAN FUEL

Q901.3. Thinking about how much you use all of the fuels in your household, how many large LPG cylinders would you consume if LPG was the only fuel you used?

Cylinders per year

[Interviewer to read aloud: Consider the following situation]

Q901.4 Considering the number of LPG cylinders, you use in a full year (12-month period), how much would you be willing to pay to consume one more refill during that period?

Rupees

If coded more than 0 in Q901.4 skip to 901.6. Do not ask Q901.5

Q901.5 Why would you not be willing to pay anything for one more refill?

	Code
Do not have that much resources to buy second cylinder	1
It is not worth the investment	2
I do not need another cylinder of gas	3
Other, specify: _____	4

[Interviewer to read aloud: Consider the following situation]

Q901.6 I will bring you as much LPG fuel as you need whenever you need it free of cost for you to use for cooking. Would you be willing to let me disassemble your solid fuel stove(s)? I will come check every week to make sure that you are using your LPG and not using solid fuels. If you were to use solid fuels, the free deliveries of LPG would stop.

Code

Yes	1
No	0

If coded 1 in Q901.6, skip to section 10, i. e Q1001

Q901.7 Would you be willing to do it if I paid you (RANDOMIZE: 100, 200, 300) rupees each month in addition to the regular deliveries of free gas?

	Code
Yes	1
No	0

If coded 1 in Q901.7, skip to section 10 ie. Q1001

Q901.8 Is there an amount of money that you would be willing to accept for me monthly to disassemble your solid fuel stove, provide you with free LPG all the time, and confirm that you do not use your solid fuel stove?

	Code
Yes	1
No	0

If coded 0 in Q901.8, skip to section 10 i.e. Q1001

Q 901.9How much would you be willing to accept monthly to stop using your solid fuel stove?

Rupees

(fix between 1 – 10000)

SECTION – 10 Perceptions of cooking fuels

[IF [(403 = 1 OR 2 OR 3 OR 4) OR (405 = 1 OR 2 OR 3 OR 4)] AND [(403 = 8 OR 9) OR (405 = 8 OR 9)], PROCEED TO 1001.1, ELSE SKIP to 1201]

THIS SECTION IS FOR HOUSEHOLDS THAT USE BOTH A SOLID FUEL AND A CLEAN FUEL

[Interviewer to read aloud: At this time, I would like to ask you some general questions regarding your experiences with cooking and fuel use.]

Ways in which the chulha is valuable

	Perception	Response										
Q1001.	There is no difference in the taste of food cooked on LPG or chulha	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Disagree</td> <td>0</td> </tr> <tr> <td>Neutral</td> <td>1</td> </tr> <tr> <td>Agree</td> <td>2</td> </tr> <tr> <td>Not applicable</td> <td>88</td> </tr> </tbody> </table>		Code	Disagree	0	Neutral	1	Agree	2	Not applicable	88
	Code											
Disagree	0											
Neutral	1											
Agree	2											
Not applicable	88											
Q1002.	If I had an electric space heater, I would use the chulha less during the winter.	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Disagree</td> <td>0</td> </tr> <tr> <td>Neutral</td> <td>1</td> </tr> <tr> <td>Agree</td> <td>2</td> </tr> <tr> <td>Not applicable</td> <td>88</td> </tr> </tbody> </table>		Code	Disagree	0	Neutral	1	Agree	2	Not applicable	88
	Code											
Disagree	0											
Neutral	1											
Agree	2											
Not applicable	88											
Q1003.	I use my chulha for cooking specific items of food even if LPG is available	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Disagree</td> <td>0</td> </tr> <tr> <td>Neutral</td> <td>1</td> </tr> <tr> <td>Agree</td> <td>2</td> </tr> <tr> <td>Not applicable</td> <td>88</td> </tr> </tbody> </table>		Code	Disagree	0	Neutral	1	Agree	2	Not applicable	88
	Code											
Disagree	0											
Neutral	1											
Agree	2											
Not applicable	88											

Health and safety

	Perception	Response										
Q1004.	It is safe for my children to be around chulha when I am cooking	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Disagree</td> <td>0</td> </tr> <tr> <td>Neutral</td> <td>1</td> </tr> <tr> <td>Agree</td> <td>2</td> </tr> <tr> <td>Not applicable</td> <td>88</td> </tr> </tbody> </table>		Code	Disagree	0	Neutral	1	Agree	2	Not applicable	88
	Code											
Disagree	0											
Neutral	1											
Agree	2											
Not applicable	88											
Q1005.	It is safe to have LPG at home	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Disagree</td> <td>0</td> </tr> <tr> <td>Neutral</td> <td>1</td> </tr> <tr> <td>Agree</td> <td>2</td> </tr> <tr> <td>Not applicable</td> <td>88</td> </tr> </tbody> </table>		Code	Disagree	0	Neutral	1	Agree	2	Not applicable	88
	Code											
Disagree	0											
Neutral	1											
Agree	2											
Not applicable	88											
Q1006.	Smoke from solid fuels while cooking is harmful for my health.	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Disagree</td> <td>0</td> </tr> <tr> <td>Neutral</td> <td>1</td> </tr> <tr> <td>Agree</td> <td>2</td> </tr> <tr> <td>Not applicable</td> <td>88</td> </tr> </tbody> </table>		Code	Disagree	0	Neutral	1	Agree	2	Not applicable	88
	Code											
Disagree	0											
Neutral	1											
Agree	2											
Not applicable	88											

Cooking quality, time, and ease

	Perception	Response										
Q1007.	I do not cook certain items with the LPG stove because they require too much gas.	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Disagree</td> <td>0</td> </tr> <tr> <td>Neutral</td> <td>1</td> </tr> <tr> <td>Agree</td> <td>2</td> </tr> <tr> <td>Not applicable</td> <td>88</td> </tr> </tbody> </table>		Code	Disagree	0	Neutral	1	Agree	2	Not applicable	88
	Code											
Disagree	0											
Neutral	1											
Agree	2											
Not applicable	88											
Q1008.	Cooking with LPG is not easier than cooking on <i>Chulha</i>	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Disagree</td> <td>0</td> </tr> <tr> <td>Neutral</td> <td>1</td> </tr> </tbody> </table>		Code	Disagree	0	Neutral	1				
	Code											
Disagree	0											
Neutral	1											

		<table border="1"> <tr> <td>Agree</td> <td>2</td> </tr> <tr> <td>Not applicable</td> <td>88</td> </tr> </table>	Agree	2	Not applicable	88
Agree	2					
Not applicable	88					

Costs and access

	Perception											
Q1009 .	I cannot buy LPG when I need because I don't have enough money.	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Disagree</td> <td>0</td> </tr> <tr> <td>Neutral</td> <td>1</td> </tr> <tr> <td>Agree</td> <td>2</td> </tr> <tr> <td>Not applicable</td> <td>88</td> </tr> </tbody> </table>		Code	Disagree	0	Neutral	1	Agree	2	Not applicable	88
	Code											
Disagree	0											
Neutral	1											
Agree	2											
Not applicable	88											
Q1010 .	If I have the money, I can get the LPG cylinder delivered at home whenever I want.	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Disagree</td> <td>0</td> </tr> <tr> <td>Neutral</td> <td>1</td> </tr> <tr> <td>Agree</td> <td>2</td> </tr> <tr> <td>Not applicable</td> <td>88</td> </tr> </tbody> </table>		Code	Disagree	0	Neutral	1	Agree	2	Not applicable	88
	Code											
Disagree	0											
Neutral	1											
Agree	2											
Not applicable	88											
Q1011 .	Acquiring solid fuels for cooking is more burdensome than acquiring a cylinder of LPG.	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Disagree</td> <td>0</td> </tr> <tr> <td>Neutral</td> <td>1</td> </tr> <tr> <td>Agree</td> <td>2</td> </tr> <tr> <td>Not applicable</td> <td>88</td> </tr> </tbody> </table>		Code	Disagree	0	Neutral	1	Agree	2	Not applicable	88
	Code											
Disagree	0											
Neutral	1											
Agree	2											
Not applicable	88											

LPG Subsidy ASK **Q1012** and **Q1013** if 513.1 = 1

	Perception											
Q1012.	The subsidy available on the LPG refill is enough for me to afford regular use of LPG.	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Disagree</td> <td>0</td> </tr> <tr> <td>Neutral</td> <td>1</td> </tr> <tr> <td>Agree</td> <td>2</td> </tr> <tr> <td>Not applicable</td> <td>88</td> </tr> </tbody> </table>		Code	Disagree	0	Neutral	1	Agree	2	Not applicable	88
	Code											
Disagree	0											
Neutral	1											
Agree	2											
Not applicable	88											
Q1013.	Subsidy is deposited on time in my bank account whenever I buy a refill.	<table border="1"> <thead> <tr> <th></th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Disagree</td> <td>0</td> </tr> </tbody> </table>		Code	Disagree	0						
	Code											
Disagree	0											

		Neutral	1
		Agree	2
		Not applicable	88

SECTION – 12 Smoke from solid fuels and illnesses

ASK Q1201- Q1206 if [(403 = 1 OR 2 OR 3 OR 4 or 5) OR (405 = 1 OR 2 OR 3 OR 4 or 5)], ELSE TERMINATE THE INTERVIEW

[Interviewer to read: I am going to list off several types of illnesses. I would like you to tell me whether you agree, disagree, or are neutral that the smoke from cooking with solid fuels causes these negative health conditions.]

	Illness / condition	Disagree	Neutral	Agree	Don't know
Q1201	Cough during cooking	0	1	2	99
Q1202	Cataracts	0	1	2	99
Q1203	Low birthweight babies	0	1	2	99
Q1204	High blood pressure	0	1	2	99
Q1205	Lung infections in children	0	1	2	99
Q1206	Nausea	0	1	2	99
Q1207	Heart disease	0	1	2	99
Q1208	Diarrhea	0	1	2	99
Q1209	Arthritis	0	1	2	99

Metadata

Name of Respondent	
State	
District	
Block/Town	
Village/Ward Name	
Village Census code	

Ward Census code													
Slum Name													
Slum Notified	1 yes 0 No												
Address													
Landmark													
Pin Code													
Telephone Number													
Mobile number 1													
Mobile number 2													
Interviewer Id													
Name of Interviewer													
Supervisor's name													
Interview start time							Interview end time						
Length of Interview (seconds)							Date of the Interview						

END OF THE SURVEY