

WASHplus Cookstove Consumer Needs & Preferences Assessment

BASELINE QUESTIONNAIRE [COOK]

Name of Interviewer:										
Date:										
					DD	MM	YY			
Time:										
							HH	MM		
House No.										
Village:										
Household unique ID number:										
					District	VDC	Ward	HH No:		
Type of stove used during the trials:					A. ICS #1 (FILL IN)					1
					B. ICS #2 (FILL IN)					2
					C. ICS #3 (FILL IN)					3
					D. ICS #4 (FILL IN)					4
					E. ICS #5 (FILL IN)					5
Serial number of the stove used:										
Age of interviewee: (18 years and above only):										

PART I

PARTICIPATION AND DEMOGRAPHIC INFORMATION

Q.N	Questions	Coding Categories				Skip	
101	We're interested to know why you decided to participate in this stove trial? (please take detailed notes on response)	A. Curious to use a new stove		1			
		B. A new stove would consume less firewood		2			
		C. A new stove would emit less smoke		3			
		D. It would be easier to cook food in new stove		4			
		E. A local teacher advised me to try the stove		5			
		F. NGO staff/local health worker said we would benefit from a new stove		6			
		G. It's healthier		7			
		H. A new stove requires less firewood and will help save the forest		8			
		I. Seeing my neighbor cooking food with less firewood made me interested in having one		9			
		J. Other (please write in)		96			
102	How many people usually sleep in your house? How many children are below 5 years, between 5-14 and adults 15 years and above? [please record number of each]	A. Children below 5 years old					
		B. Children 5-14 years old					
		C. Adults 15 years old and older					
103	For how many men, women and children (household members or others) do you usually cook in the morning, afternoon, evening/ night?	Time	Men (15+)	Women (15+)	Children under 15		
		A. Morning					
		B. Afternoon					
		C. Evening/Night					
104	Do you earn any income?	A. Yes				1	
		B. No				2 →	

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Q.N	Questions	Coding Categories	Skip
105	What are your sources of income? [Do not read from the list; select only one]	A. Farming	1
		B. Business (shop, etc)	2
		C. Fishing	3
		D. Cattle-rearing	4
		E. Artisan	5
		F. Day laborer	6
		G. Service / formal sector job	7
		H. Other (please write in)	96
106	What is your husband's main occupation? [Do not read from the list; select only one]	A. Farming	1
		B. Business (shop, etc)	2
		C. Fishing	3
		D. Cattle-rearing	4
		E. Artisan	5
		F. Day laborer	6
		G. Service / formal sector job	7
		H. No husband	8
		I. Other (please write in)	96

PART II

HOUSEHOLD ASSETS

Q.N	Questions	Coding Categories	Skip
107	Is the kitchen separate from the main living area?	A. Yes	1
		B. No	2 → 109
108	What does the kitchen structure consist of?	A. Four walled structure	1
		B. Three walled structure	2
		C. Two walled structure	3
		D. No walls, but a covered roof	4
		E. In the open 'courtyard'	5
		F. Other (please write in)	96
	From what material is your house constructed (walls and roof materials)?		
109	Wall Materials:	A. Common housing material #1	1
		B. Common housing material #2	2
		C. Common housing material #3	3
		D. Common housing material #4	4
		E. Other (please write in)	96
110	Roof Materials	A. GI Sheet	1
		B. Concrete	2
		C. Wooden	3
		D. Thatched	4
		E. Tile	5
		F. Other (please write in)	96

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Q.N	Questions	Coding Categories		Skip
111	[Observe] In the kitchen, how many windows and/or doors are there that open to the outside? [Record the number of each. If there are none, write zero] Note if there are other ventilation options as well	A. Number of Windows:		
		B. Number of Doors:		
		C. Other ventilation option (specify)		
		D. Other ventilation option (specify)		
112	Do you own any of the following? [Please read the list, select as many as apply]	A. Kerosene lamp	1	
		B. Torch / lamp with batteries	2	
		C. Torch / lamp with solar panel	3	
		D. Rice cooker	4	
		E. New cook stove (ICS)	5	
		F. Radio	6	
		G. Mobile phone	7	
		H. Computer	8	
		I. Television	9	
		J. Generator	10	
		K. Solar home system (panel and battery)	11	
		L. Refrigerator	12	
		M. Animal drawn cart/ rickshaw	13	
		N. Bicycle	14	
		O. Motorcycle/scooter	15	
		P. Other motor vehicle (car, truck, etc)	16	
Q. Grid electricity	17			
R. Induction cooker	18			
S. Pressure cooker	19			
T. None of the above	99	→		
			116	
113	What 'major household items' has your household purchased in the past year, since last [fill in one year earlier Month/Year] ? [Do NOT read from the list, please select all that apply]	A. Kerosene lamp	1	
		B. Torch / lamp with batteries	2	
		C. Torch / lamp with solar panel	3	
		D. Rice cooker	4	
		E. New cook stove (ICS)	5	
		F. Radio	6	
		G. Mobile phone	7	
		H. Computer	8	
		I. Television	9	
		J. Generator / engine	10	
		K. Solar home system (panel and battery)	11	
		L. Refrigerator	12	

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Q.N	Questions	Coding Categories	Skip
		M. Animal drawn cart/ rickshaw	13
		N. Bicycle	14
		O. Motorcycle/scooter	15
		P. Other motor vehicle (car, truck, etc)	16
		Q. Grid electricity	17
		R. None of the above	99 → 116
114	Please tell me a bit about the process of purchasing these major items in the last year. [Probe- how they make purchase decisions, if they are financed, etc.]	A. From own earning	1
		B. From overseas employment income	2
		C. From own savings	3
		D. Income of other family members	4
		E. Income from livestock/farming	5
		F. From husband's earnings	6
		G. Earnings from a shop	7
		H. Loan from a cooperative group	8
		I. Income from selling liquor	9
		J. Other (please write in)	96
115	<i>If coded 2 in Q114 please ask, Who generates the overseas employment income? (Please write in details, including the relationship to respondent)</i>		

**PART III
WOMENS GROUP PARTICIPATION**

Q.N	Questions	Coding Categories	Skip
116	Do you belong to a women's group or self-help group, cooperative, etc?	A. Yes	1
		B. No	2 → 121
117	<i>If yes, how many?</i>		
118	How many years have you been a member of this/these group/s? [If the respondent is involved in multiple groups, ask which group have you belonged to the longest? And for how long?].	Years	
119	What is the primary function of this/these group(s)? [Do not read from the list]	A. Savings	1
		B. Religious	2
		C. Reading/literacy	3
		D. Other (please write in)	96
120	In what ways does this membership influence your decisions about managing or spending money, if any? [Do not read from the list]	A. I can talk to people who already own consumer products.	1
		B. They help and provide me money to make purchases	2
		C. They make me feel more confident	3
		D. They help me learn new skills	4
		E. Other (please write in)	96

PART IV

FUEL - USE AND PROCUREMENT

Q.N	Questions	Coding Categories		Skip
121, 122	Please show me what fuels you use for cooking. [Observe/note what kind and make a rough estimate of the quantity of fuels stored (please record the amount in kg)]	121. Specify fuel type	122. Estimated quantity	
		A.		
		B.		
		C.		
		D.		
		E.		
123	What material do you use to start the fire at this time of year? [Do not read from the list]	A. Wood		1
		B. Agricultural residue (including leaves)		2
		C. Dung sticks / dung cakes		3
		D. Kerosene		4
		E. Sawdust		5
		F. Paper/cardboard		6
		G. Rubber		7
		H. Charcoal		8
		I. Plastic		9
		J. Other (please write in) _____		96
124	What is the main fuel you use at THIS TIME of year [<i>say the current season</i>] to cook once the fire has started? [Do not read from the list]	A. Wood		1
		B. Agricultural residue (including leaves)		2
		C. Dung sticks / dung cakes		3
		D. Kerosene		4
		E. Sawdust		5
		F. Paper/cardboard		6
		G. Rubber		7
		H. Charcoal		8
		I. Plastic		9
		J. Biogas		10
		K. LPG		11
		L. Grid electricity		12
		M. Other (please write in) _____		96
125	Is this the same for every season, or are there variations by season? Does your use of the fuel vary seasonally?	A. Yes, fuel use varies seasonally		1
		B. No, fuel use is the same for every season		2
				127

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126	If so, what is the difference? Do you cook with different fuel combinations and/or are different amounts of fuel required/used? How?	126A. Variations by season:	126B. Fuel type variations		126C. Fuel quantity variations (e.g. more, less)		126D. Other
					More=1	Less = 2	
		Summer	A. Wood	1	1	2	
		Yes = 1 No = 2 <i>If coded "2" then skip to winter variables</i>	B. Agricultural residue (including leaves)	2	1	2	
			C. Dung sticks / dung cakes	3	1	2	
			D. Kerosene	4	1	2	
			E. Sawdust	5	1	2	
			F. Biogas	6	1	2	
			G. LPG	7	1	2	
			H. Grid electricity	8	1	2	
			I. Other (please write in)	96	1	2	
			Winter	A. Wood	1	1	2
		Yes = 1 No = 2 <i>If coded "2" then skip to monsoon variables</i>	B. Agricultural residue (including leaves)	2	1	2	
			C. Dung sticks / dung cakes	3	1	2	
			D. Kerosene	4	1	2	
			E. Sawdust	5	1	2	
			F. Biogas	6	1	2	
			G. LPG	7	1	2	
			H. Grid electricity	8	1	2	
			I. Other (please write in)	96	1	2	
			Monsoon	A. Wood	1	1	2
		Yes = 1 No = 2 <i>If coded "2" then skip to 127</i>	B. Agricultural residue (including leaves)	2	1	2	
			C. Dung sticks / dung cakes	3	1	2	
			D. Kerosene	4	1	2	
			E. Sawdust	5	1	2	
			F. Biogas	6	1	2	
			G. LPG	7	1	2	
			H. Grid electricity	8	1	2	
			I. Other (please write in)	96	1	2	

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Q.N	Questions	Coding Categories		Skip							
127	How much of your main fuel type do you buy vs. gather at this time of year? [Please read list]	A. All gathered	1								
		B. Mostly gathered	2								
		C. Gathered and bought in equal quantities	3								
		D. Mostly bought	4								
		E. All bought	5								
		F. Other (please write in)	96								
128	How much do you typically spend on this main fuel per month (including any delivery fees)? [Record in the table below]	<table border="1"> <tr> <td>Rs.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Rs.							
Rs.											
129	What other fuels do you use to cook at THIS TIME of year [<i>say the current season</i>]? [Do not read from the list, check all that apply]	A. Wood	1	135							
		B. Agricultural residue (including leaves)	2								
		C. Dung sticks / dung cakes	3								
		D. Kerosene	4								
		E. Sawdust	5								
		F. Paper/cardboard	6								
		G. Rubber	7								
		H. Charcoal	8								
		I. Plastic	9								
		J. Biogas	10								
		K. LPG	11								
		L. Grid electricity	12								
		M. Rice husk	13								
		N. No other fuel	14								
O. Other (please write in)	96										
130	Which do you use second most often? [Do	A. Wood	1								
		B. Agricultural residue (including leaves)	2								
		C. Dung sticks / dung cakes	3								

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Q.N	Questions	Coding Categories		Skip
	not read from the list, single answer only]	D. Kerosene	4	
		E. Sawdust	5	
		F. Paper/cardboard	6	
		G. Rubber	7	
		Charcoal	8	
		I. Plastic	9	
		J. Biogas	10	
		K. LPG	11	
		L. Grid electricity	12	
		M. Rice husk	13	
		N. No other fuel	14	
		O. Other (please write in)	96	
131	What amount of [the second fuel] do you buy vs. gather? [Please read from the list]	A. All gathered	1	
		B. Mostly gathered	2	
		C. Gathered and bought in equal quantities	3	
		D. Mostly bought	4	
		E. All bought	5	
		F. Other (please write in)	96	
		_____ -		
132	Does the use of this fuel vary seasonally?	A. Yes	1	134
		B. No	2 →	
133	If so, by how much?			
134	How much do you typically spend on this fuel per month (including any delivery fees)?	Rs.		

PART V

VESSELS AND STOVE EXPERIENCE

Q.N	Questions	Coding Categories		Skip
135	Can you show me the vessels or pots you use for cooking every day? [Enumerators will have photos/dimensions/descriptions to code from, and should take photos of any not included]	A. Pressure Cooker	1	
		B. Sauce pan	2	
		C. Kettle	3	
		D. Frying pan	4	
		E Local vessel #1 (fill in)	5	
		F. Local vessel #2 (fill in)	6	
		G. Local vessel #3 (fill in)	7	
		H. Local vessel #4 (fill in)	8	
		I. Local vessel #5 (fill in)	9	
		J. Other (please write in)	96	
136	What types of stoves do you use in your house?	A. Three stone stove	1	
		B. Other local stove type 1	2	
		C. Other local stove type 2	3	
		D. Other (please write in)	96	

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We'd like to review what stoves you use to cook your meals or snacks, or to prepare animal feed, liquor or other items you regularly cook. What stove do you use for: 137. Cooking tasks	138. Stove use		139. Where used:		140. When used:	
A. cooking meals Cooked=1 Not cooked=2 (if coded '2'skip to next cooking task)	A. Three stone stove	1	A. Indoors	1	A. Morning	1
	B. Other local stove type	2	B. Outdoors	2	B. Afternoon	2
	C. Other local stove type	3			C. Evening	3
	D. Other (please write in)	96			D. Morning and afternoon	4
					E. Morning and evening	5
					F. Afternoon and evening	6
					A. Morning	1
B. snacks Cooked=1 Not cooked=2 (if coded '2'skip to next cooking task)	A. Three stone stove	1	A. Indoors	1	A. Morning	1
	B. Other local stove type	2	B. Outdoors	2	B. Afternoon	2
	C. Other local stove type	3			C. Evening	3
	D. Other (please write in)	96			D. Morning and afternoon	4
					E. Morning and evening	5
					F. Afternoon and evening	6
					A. Morning	1
C. animal feed Cooked=1 Not cooked=2 (if coded '2'skip to next cooking task)	A. Three stone stove	1	A. Indoors	1	A. Morning	1
	B. Other local stove type	2	B. Outdoors	2	B. Afternoon	2
	C. Other local stove type	3			C. Evening	3
	D. Other (please write in)	96			D. Morning and afternoon	4
					E. Morning and evening	5
					F. Afternoon and evening	6
					A. Morning	1
D. tea Cooked=1 Not cooked=2 (if coded '2'skip to next cooking task)	A. Three stone stove	1	A. Indoors	1	A. Morning	1
	B. Other local stove type	2	B. Outdoors	2	B. Afternoon	2
	C. Other local stove type	3			C. Evening	3
	D. Other (please write in)	96			D. Morning and afternoon	4
					E. Morning and evening	5
					F. Afternoon and evening	6
					A. Morning	1
E. bath water Cooked=1 Not cooked=2 (if coded '2'skip to next cooking task)	A. Three stone stove	1	A. Indoors	1	A. Morning	1
	B. Other local stove type	2	B. Outdoors	2	B. Afternoon	2
	C. Other local stove type	3			C. Evening	3
	D. Other (please write in)	96			D. Morning and afternoon	4
					E. Morning and evening	5
					F. Afternoon and evening	6
					A. Morning	1
F. liquor Cooked=1	A. Three stone stove	1	A. Indoors	1	A. Morning	1
	B. Other local stove type	2	B. Outdoors	2	B. Afternoon	2

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Not cooked=2 (if coded '2' skip to next cooking task)	C. Other local stove type	3			C. Evening	3
	D. Other (please write in)	96			D. Morning and afternoon	4
					E. Morning and evening	5
					F. Afternoon and evening	6
G. Other specify _____ Cooked=1 Not cooked=2 (if coded '2' skip 141)	A. Three stone stove	1	A. Indoors	1	A. Morning	1
	B Other local stove type	2	B. Outdoors	2	B. Afternoon	2
	C. Other local stove type	3			C. Evening	3
	D. Other (please write in)	96	A. Indoors	1	D. Morning and afternoon	4
			B. Outdoors	2	E. Morning and evening	5
					F. Afternoon and evening	6
141	Do you use -----(please refer the stoves coded in 136) stoves for cooking activities that to earn money?			If code 99 (None) in all types of stoves then skip to Q 143		
		A. Three stone stove	1			
		B. Other local stove type	2			
		C Other local stove type	3			
		D. Other (please write in)	96			
		E. None	99			
142	For what income generating purpose do you use your stove(s)?	Describe how the income is generated (please write in detail)				
143	Which stove do you use most frequently to cook your meals	Stove				
		A. Three stone stove	1			
		B. Other local stove type	2			
		C. Other local stove type	3			
		D. Other (please write in)	96			
144	What do you like about this primary stove? What are the good things about it? What makes it easy to use? (Do not read from the list, code below)	A. Uses little firewood	1			
		B. Cooks food quickly	2			
		C. Emits little smoke	3			
		D. Well manufactured	4			
		E. Aesthetics; it looks nice	5			
		F. Easy to light; not affected by the wind	6			
		G. Portable; has a good handle	7			
		H. Stable/doesn't tip over	8			
		I. Stove is at the right height to sit and cook comfortably	9			
		J. Generates little soot and smoke; which means a cleaner house and kitchen	10			
		K. People are impressed; it makes me feel proud	11			

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		L. Safe to use while cooking	12	
		M. Pots stay clean	13	
		N. Reduced smoke related health problems (eye irritation, headaches, chest pain, cough, etc.)	14	
		O. Saves money on fuel	15	
		P. Other (please write in)	96	
		Q. Other (please write in)	97	
145	What do you NOT like about this primary stove? What makes it difficult or unpleasant to use your primary stove? (Do not read from the list; enter at least 3 codes below)	A. Uses lots of firewood	1	
		B. Takes a long time to cook	2	
		C. Emits lots of smoke	3	
		D. Not durable	4	
		E. Aesthetics; it looks ugly	5	
		F. Difficult to light	6	
		G. Difficult to move; the handles get hot	7	
		H. Not stable; easy to tip over	8	
		I. Stove is too tall; I cannot sit and cook	9	
		J. Stove is too short; I cannot sit and cook	10	
		K. Surface gets hot; difficult to remove pot	11	
		L. Not the proper size; too large for most tasks	12	
		M. Not the proper size; too small for most tasks	13	
		N. Doesn't fit the pots I have	14	
		O. Not safe while cooking	15	
		P. Pots get too dirty	16	
		Q. Have to spend too much money on fuel	17	
		R. Other (please write in)	96	
146	Where (what location) do you cook during the Summer season?	A. Indoors	1	
		B. Outdoors	2	
147	Where (what location) do you cook during the Winter season?	A. Indoors	1	
		B. Outdoors	2	
148	Where (what location) do you cook during the Monsoon season?	A. Indoors	1	
		B. Outdoors	2	
149	Have you ever owned a different new type of stove in the past?	A. Yes	1	
		B. No	2	→ 151
150	What type of other new stove did you own in the past?			

PART VI

SMOKE EXPOSURE

Q.N	Questions	Coding Categories		Skip
151	How much smoke would you say the stove you use most frequently	A. A lot	1	
		B. Some	2	

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Q.N	Questions	Coding Categories		Skip			
	produces: a lot, some, hardly any or none?	C. Hardly any	3				
		D. None	4				
		E. Other (please write in)	96				
152	What is bad about the smoke it produces? [Do not read from the list]	A. Stinging eyes	1				
		B. Headache	2				
		C. Cough	3				
		D. Difficulty in breathing	4				
		E. Makes utensils dirty	5				
		F. Makes kitchen dirty	6				
		G. Other (please write in)	96				
153	What is good about the smoke the stove produces? [Do not read the list]	A. Protects the roof thatch	1				
		B. Heats the house	2				
		C. Useful for curing foods	3				
		D. Dries clothes	4				
		E. Keeps insects away	5				
		F. Other (please write in) _____	96				
154	When you are cooking, where are your children who are still too young to walk? [Do not read from the list]	A. On my back	1				
		B. Near me in the kitchen	2				
		C. Not in the kitchen - but in the same building	3				
		D. Not in the kitchen - in a separate building	4				
		E. Coming in and out of the kitchen	5				
		F. Not Applicable (No children who are too young to walk)	6				
		G. Other (please write in)	96				
155	And where are the children under 5 who can walk? [Do not read from the list]	A. On my back	1				
		B. Near me in the kitchen	2				
		C. Not in the kitchen - but in the same building	3				
		D. Not in the kitchen - in a separate building	4				
		E. Coming in and out of the kitchen	5				
		F. Playing in the open courtyard with other children	6				
		G. Not Applicable (No children who can walk)	7				
		H. Other (please write in)	96				
156	How many windows and doors that open to the outside are usually open during cooking?	Doors		Windows			
157	What is your religion? [Do not read from the list]	A. Hindu	1				
		B. Buddhist	2				
		C. Muslim	3				
		D. Christian	4				
		E. Other (please write in)	96				
158	Your ethnic group? [Do not read from the list]	A.	1				
		B.	2				
		C.	3				
		E. Other (please write in)	96				

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Interview End Time

HH	MM

Thank the respondent for her time and inform them about the next step and then terminate the interview