

REPUBLIC OF ZAMBIA



NATIONAL ENERGY ACCESS SURVEY 2023  
HOUSEHOLD QUESTIONNAIRE

HOUSEHOLD IDENTIFICATION PARTICULARS	CODE NUMBER						
1. PROVINCE NAME	<input type="text"/>						
2. DISTRICT NAME	<input type="text"/>						
3. CONSTITUENCY NAME	<input type="text"/>						
4. WARD NAME	<input type="text"/>						
6. EA NUMBER	<input type="text"/>						
7. RURAL.....1 URBAN..... 2	<input type="text"/>						
8. HOUSEHOLD NUMBER (HHN)	<input type="text"/>						
9. VILLAGE OR LOCALITY NAME							
10. RGC NAME							
11. CHIEF'S/CHIEFTAINNESS' AREA (RURAL AREAS ONLY) FOR URBAN AREAS RECORD 888	<input type="text"/>						
12. ENUMERATED HOUSEHOLD Residential Sampling Serial Name of Head.....Address..... Number	<input type="text"/>						
13. NAME OF MAIN RESPONDENT SERIAL NUMBER FROM HOUSEHOLD ROSTER	<input type="text"/>						
14. TOTAL NUMBER OF PERSONS WHO LIVE IN THIS HOUSEHOLD (INCLUDE USUAL MEMBERS ABSENT)	<input type="text"/>						
15. ENUMERATOR'S NAME..... DATE OF INTERVIEW	<table border="1"> <tr> <td>DD</td> <td>MM</td> <td>YY</td> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table>	DD	MM	YY	<input type="text"/>	<input type="text"/>	<input type="text"/>
DD	MM	YY					
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16. SUPERVISOR'S NAME..... DATE OF CHECKING	<table border="1"> <tr> <td>DD</td> <td>MM</td> <td>YY</td> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table>	DD	MM	YY	<input type="text"/>	<input type="text"/>	<input type="text"/>
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**SECTION 1: HOUSEHOLD ROSTER**

				INTRODUCTION: I would like to start the interview by asking you questions about yourself and other usual members of the household
1	2	3	4	





**FOR AGES 3 YEARS AND OLDER**

LITERACY	EDUCATION			
9	10	11	12	13
Has (NAME) ever attended school?	Can (NAME) read and write in any language?	Is (NAME) currently attending school	What is the grade (NAME) is currently attending?	What is the highest grade or level (NAME) has completed ?
1 = YES 2 = NO>>>>NEXT SECTION	1 = YES 2 = NO	Yes=1 No=2>>>>next section	ENTER THE GRADE SEE CODES BELOW	ENTER THE GRADE SEE CODES BELOW
SELECT 'YES' IF ATTENDED NURSERY, PRIMARY, SECONDARY OR HIGHER EDUCATION  IF A PERSON HAS ATTENDED ONLY VOCATIONAL TRAINING, SELECT 'NO'.				IF GRADE 14-19 SKIP TO P44

**GRADE CODES :-**

Grade 1 to 12.....CODES...01 TO 12

Grade 12 GCE (O-level) .....CODE...12

Grade 12 GCE (A-level) .....CODE...13

College students.....CODE...14

Undergraduate University students.....CODE...15  
 Post-graduate Certificate/Diploma students..... CODE...16  
 Master's Degree students.....CODE....17  
 Doctoral level and above students..... CODE...18

15. Does any member of this household have difficulty with the following?

SEEING EVEN WHEN WEARING GLASSES.....1  
 HEARING EVEN WHEN USING A HEARING AID.....2  
 WALKING OR CLIMBING STEPS.....3  
 REMEMBERING OR CONCENTRATING.....4  
 WITH SELF-CARE, SUCH AS WASHING (BATHING) ALL OVER OR DRESSING.....5  
 HAVING DIFFICULTY COMMUNICATING E.G UNDERSTANDING OR BEING UNDERSTOOD USING USUAL LANGUAGE.....6  
 1=YES 2=NO

**SECTION 2: ECONOMIC ACTIVITY**

**AGE 10 YEARS AND OLDER**

Q01	Q02	Q03	Q04	Q05
In the Last 7 days from (DAY) to (DAY/YESTERDAY), which of the following did ..... mainly do?	What is the main farm produce that (NAME) is working on?	In the Last 7 days did (NAME)...?	What kind of work did (NAME) do in his/her main job or business?	What kind of business/ service was mainly carried out by (NAME's) employer/establishment/ business?

<p>1 = Work for someone else for pay (as employee, labourer, apprentice, intern)&gt;&gt;&gt;&gt;Q4</p> <p>2 = Work in his/her own business activity (nonfarm)&gt;&gt;&gt;&gt;Q4</p> <p>3 = Work in (his/her) own/family/household farming or fishing 4 = None of the above &gt;&gt;&gt;Q3</p> <p><b>READ OUT RESPONSE CATEGORIES</b></p>	<p><b>(WRITE MAIN GOODS –e.g. [maize, rice, oranges,cabbages , cattle, sheep, goats, pigs, chickens,Kapenta , bream fish])</b></p>	<p>1 = Does any (other) activity to generate an income, even for 1 hour (e.g. [casual work, odd jobs, make things to sell, provide services for pay,...]) 2 = Have a paid job or business activity, but (were/was) temporarily absent</p> <p>3 = Help without pay in a family business 4 = Did not do any income generating activity, not even for one hour.</p> <p><b>READ OUT RESPONSE CATEGORIES</b></p>		
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**SECTION 3 ENERGY ACCESS AND UTILISATION Introduction: I am going to ask you questions on Energy Access and Utilization**

1. Does your household use any of the following sources of energy?	Cooking	Heating	Lighting
Fire wood			
Charcoal			X

Kerosene			
LPG			X
Solar			
Dry Batteries(e.g. torch batteries)	X	X	
Externally rechargeable batteries e.g. (Car, solar etc.)			
Candles	X	X	
Generator			
National grid			
Biogas			
Coal Briquette			X
Ethanol			
Local Mini-grid			
Other specify			

#### HEATING AND COOKING FIREWOOD

2	What is the households main source of firewood?	<i>Self-produced/collect.....1&gt;&gt;Q6</i>
		<i>Purchased.....2</i>
		<i>Receive it as gift.....3</i>
		<i>Other.....4</i>
3	How much did your household spend on firewood in the last 30 days?	
4	What quantity of purchased fire wood did your household use in the last 30days?	<i>.....scotch cart (300kg)</i>
5	During your last purchase, how many units of firewood did your household buy?	<i>.....head lot (9kg bundles)</i>
		<i>.....Man lot (12 kg bundle)</i>
		<i>.....head lot (9kg bundles)</i>
		<i>.....Man lot (12 kg bundle)</i>
		<i>Don't Know</i>
6	What quantity of collected fire wood is used by your household per month?	<i>.....scotch cart (300kg)</i>
		<i>.....head lot (9kg bundles)</i>
		<i>.....Man lot (12 kg bundle)</i>
7		<i>a. Household head (usually the main decision-maker in the household)</i>

	<i>Who mainly collects this fire wood that is used by your household?</i>	<i>Male household members</i> <i>Female household members</i> <i>Children who are household members.</i> <i>Other family members or relatives</i> <i>Community members or neighbors</i> <i>Hired laborers.</i> <i>Other specify</i>
8	Did this person/s experience any injury while collecting/ purchasing or transporting the firewood?	Yes....1 No....2
9	How much firewood was collected on the last largest collection/ purchase?	..... <i>One scotch cart (300kg)</i> ..... <i>One head lot (9kg bundles)</i> ..... <i>Man lot (12 kg bundle)</i>
10	How many days did your household use this firewood?	
11	What is the distance from your home stead to the place where you collect / purchase firewood? ( <i>within homestead premises enter zero</i> )	..... <i>in Kilometers</i> <i>12 minutes of normal walking is approximately 1km</i>
12	How much time do you or any member of your household spend to collect firewood? (including both travel to and from and actual collection) (Hours)	..... <i>Hours</i>
13	Does your house peel off the tree barks to dry the trees for firewood?	1= Yes, 2=No
14	Does your household cut trees for firewood?	1=Yes, 2=No>>>>sec 4.1.2
15	What kind of tree cutting do you mainly practice?	1=Selective, 2=Clear felling

## CHARCOAL

16	Does your household use charcoal for cooking?	Yes.....1 No.....2
17	What is the household's main source of charcoal?	Self-produced.....1
		Purchased.....2
		Receive as gift.....3>>follow up questions similar to purchased (PROGRMMER)
		Other.....4>>

18	During the last charcoal production/purchase, how many units did you produce/purchase?	.....Quantity
		Unit : 1=below 10kg bag, 2=10kg bag, 3=25kg bag, 4=50kg bag, 5=above 50kg bag
19	How much did you spend to produce/purchase this charcoal in ZMW?	
20	How many days in total did this own produced/purchase charcoal last?	.....days
21	Of the charcoal produced/purchase what quantity did you sell.?	NOTE: Enter 999 if did not sale and skip to Q23 .....Quantity Unit(1=below 10kg bag, 2=10kg bag, 3=25kg bag, 4=50kg bag, 5=above 50kg bag
22	On the largest transaction (quantity), at what price did you sell each unit of this own produced/purchased charcoal?	Price in ZMW Unit(1=below 10kg bag, 2=10kg bag, 3=25kg bag, 4=50kg bag, 5=above 50kg bag
23	During the last 30 days, did this household use charcoal for the following purposes?	Cooking (Yes/No)
		Heating water or boiling water (e.g. water for drinking, for bathing) (Yes/No)
		For home business (Yes/No)
		Other; specify (add text box)
24	What is the quantity of charcoal used by	.....Quantity
		Unit(1=below 10kg bag, 2=10kg bag, 3=25kg bag, 4=50kg bag, 5=above 50kg bag
	your household per month?	

### LIQUEFIED PETROLEUM GAS (LPG)

25	During the last 30 days, did this household use LPG for the following purposes?	<i>Cooking</i>
		<i>Heating or boiling water (e.g. for drinking, for bathing)</i>
		<i>For home business</i>
		<i>Refrigeration</i>
		<i>Other, specify</i>
26	What size of LPG cylinder (in kg) does your household mainly use?	<i>1=2.5 Kg cylinder</i> <i>2=3 Kg cylinder</i> <i>3=5 Kg cylinder</i> <i>4=7 Kg cylinder</i> <i>5=9 Kg cylinder</i> <i>6=15 Kg cylinder</i> <i>7=17.5 Kg cylinder</i> <i>8=19 Kg cylinder</i> <i>9=29 Kg cylinder</i> <i>10=48 Kg cylinder</i> <i>Other</i> <i>specify .....</i>

27	How much did your household spend on LPG during the last purchase?	
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### SOLAR

28	Does your household use a solar lantern/s	1=yes, 2=No>>>30
29	What is the capacity of your main solar lantern in watts?	.....
30	When being used continuously, how long does it last when fully charged?	.....hours IT PLEASE REMOVE THIS THREE QUESTIONS
31	Does your household use a home solar system	1=yes, 2=No>>>Next source of energy
32	What is the capacity of your main home solar system in watts?	.....
33	How long does it last when fully charged	

### BIOGAS

34.		<i>Cooking and boiling water for drinking</i>
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	During the last 30 days, did this household use Biogas for the following purposes?	<i>Heating water (e.g. for bathing)</i>
		<i>For home business</i>
		<i>Refrigeration</i>
		<i>Other, specify</i>

35.	What size of Biodigester (in cubic meters) does your household usually use?	<i>1=4 Cubic meters</i> <i>2=6 Cubic meters</i> <i>3=9 Cubic meters</i> <i>4=14 Cubic meters</i> <i>5=21 Cubic meters</i> <i>6= other, specify</i>
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36	What was the cost of constructing the Biogas digester in ZMW?	
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### ELECTRICITY

37	Does your household use electricity for Cooking?	<i>Yes</i> <i>No&gt;&gt;&gt;next section</i>		
38	Does your household use any of the following types of electric cooking appliances?	<i>1=Electric Stove</i>	<i>YN</i>	
		<i>2=Electric Pressure cookers</i>	<i>YN</i>	
		<i>3=Deep frier</i>	<i>YN</i>	
		<i>4=Other specify</i>		
39	How many hours/minutes in total did your household use these cooking appliances in the last 24 hour period?	<b>Type of Cooking Appliance</b>	<b>Hours</b>	<b>Minutes</b>
		<i>1=Electric Stove</i>		
		<i>2=Electric Pressure cookers</i>		
		<i>3=Deep frier</i>		
		<i>4=Other specify</i>		

### KEROSENE

40	Does your household use Kerosene for cooking?	<i>1=Yes</i> <i>2=No&gt;&gt;&gt;next section</i>
41	How many litres of kerosene do you use per month?	
42		<i>Cooking and boiling water for drinking Y/N</i>
		<i>Heating water (e.g. for bathing) Y/N</i>

	During the last 30 days, did this household use Kerosene for the following purposes?	<i>For home business Y/N</i>
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43	During your last purchase, how many liters of kerosene did you buy?	.....liters
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44	How much did you spend during your last purchase in ZMW?	K.....
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45	How many days in total did this purchase last?	
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### ETHANOL

46	Does your household use ethanol for cooking?	1=Yes 2=No>>> <i>next section</i>
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47	How many litres of ethanol do you use per month?	
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48	During the last 30 days, did this household use ethanol for the following purposes?	<i>Cooking and boiling water for drinking Y/N</i>
		<i>Heating water (e.g. for bathing) Y/N</i>
		<i>For home business Y/N</i>

### USE OF COOK STOVE

49	What type of stoves does your household use for cooking ?  <i>(Multi-response)</i>	1 = Open fire, e.g. three stones
		2=Traditional stove (Fixed mud stove) no chimney
		3=Traditional stove with chimney
		4=Brazier (Mbaula)
		5=Improved Brazier
		6=LPG stove
		7=Biogas Gas stove
		8=Pellet stove
		9=Briquette Stove
		10=Ethanols stove
		11=Kerosene stove
		12=Electric stove
		13=Other (specify)
50	What is the <b>main</b> stove that your household uses for cooking ?	

51	<i>Only applies to options 1-4 on question 49</i> If you do not use an improved cookstove, why not?	Too expensive
		Do not know where to buy
		Do not know what an improved cookstove is
		Do not like the look of them

	Food doesn't taste good
	Cultural beliefs
	Other (specify)

**LIGHTING ELECTRICITY (NATIONAL GRID, MINI GRID, GENSET ETC)**

52	Does your household use electricity for Lighting?	<i>Yes</i> <i>No&gt;&gt;&gt;next section</i>		
53	Does your household use any of the following types of lighting?	Ordinary(Incandescent) light bulbs	1=YES , 2=NO	
		Fluorescent tubes	1=YES , 2=NO	
		Energy saving light bulbs (CFL)	1=YES , 2=NO	
		LED bulbs/Tubes( Energy saving lights)	1=YES , 2=NO	
54	If yes, how many light bulbs of this type does the household use?	<b>Type of Bulb</b>	<b>Number of Bulb</b>	
		Ordinary (Incandescent) light bulbs		
		Fluorescent tubes		
		Energy saving light bulbs (CFL)		
		LED bulbs/tubes (Energy saving light)		
55	How many hours did your household use these bulbs in the last 24 hour period? <b>Note: Record the number of hours for the bulb that stayed on the longest</b>	<b>Type of Bulb</b>	<b>INDOOR</b>	<b>OUTDOOR</b>
		Ordinary (Incandescent) light bulbs		
		Fluorescent tubes		
		Energy saving light bulbs (CFL)		
		LED bulbs/tubes (Energy saving lights)		

**CANDLES**

56	Does your household use candles for lighting?	1= Yes, 2=NO
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57	How many candles do you use per month?	.....candles
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58	On the last purchase, how many sticks of candles did you buy?	.....candles
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59	How much did this purchase cost ZMW?	K.....
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60	How many days did this purchase last?	.....days
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**KEROSENE**

61	Does your household use Kerosene for Lighting?	1=Yes 2=No>>>next section
62	How many litres of kerosene does your household use per month?	
63	How much does your household spend on Kerosene per month?	

**BIOGAS**

64	Does your household use Biogas for Lighting?	1=Yes 2=No
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**SOLAR LANTERN**

65	Does your household use Solar Lantern for Lighting?	1=Yes 2=No>>>next section
66	How many Solar Lanterns does your Household have?	
67	How much did your household purchase the Solar Lantern? ( <b>MOST RECENT PURCHASE</b> )	
68	What is the capacity of your Solar Lantern Wp? ( <b>MOST RECENT PURCHASE</b> )	
68.1	When being used continuously, how long does it last when fully charged?	.....hours

**SOLAR HOME SYSTEM**

69	Does your household use Solar Home System for Lighting?	1=Yes 2=No
70	What is the capacity of your Solar Home System kW?	

70.1	How much did you purchase this Solar Home System?	
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### DRY BATTERIES

71	Does your household use dry batteries to power a lighting device for household lighting	1=Yes, =No
72	What type of lighting device do the batteries power	1. Torch 2. Bulb/ Fluorescent tube/LED light 3. Other specify
73	How long do the dry batteries last	1. One week 2. Two weeks 3. Three weeks 4. Four weeks 5. More than four weeks
74	How much did your household spend on dry batteries during the last purchase	

### EXTERNALLY RECHARGEABLE BATTERIES

75	Does your household use externally rechargeable batteries for Lighting?	<i>1=Yes</i> <i>2=No&gt;&gt;&gt;next section</i>		
76	Does your household use externally rechargeable batteries to power any of the following ?	<i>Incandescent light bulbs</i>	<i>Yes No&gt;&gt; next bulb</i>	
		<i>Fluorescent tubes</i>	<i>Yes NO&gt;&gt; next bulb</i>	
		<i>Energy saving light bulbs(CFL)</i>	<i>Yes No&gt;&gt; next bulb</i>	
		<i>LED bulbs/Tubes(Energy saving)</i>	<i>Yes No&gt;&gt; next section</i>	
77	How many light bulbs of this type does your household use?	<b>Type of Bulb</b>	<b>Number of Bulb</b>	
		<i>Incandescent light bulbs</i>		
		<i>Fluorescent tubes</i>		
		<i>Energy saving light bulbs (CFL)</i>		
		<i>LED bulb/tubes (Energy saving)</i>		
78	How many hours did your household use these bulbs in the last 24 hour period? <b>Note: Record the number of hours for the bulb that stayed on the longest</b>	<b>Type of Bulb</b>	<b>Hours</b>	<b>Minutes</b>
		<i>Incandescent light bulbs</i>		
		<i>Fluorescent tubes</i>		
		<i>Energy saving light bulbs (CFL)</i>		
		<i>LED bulbs/tube (Energy saving)</i>		

**DEMAND AND SUPPLY OF ELECTRICITY**

79	Does your household have an electricity connection from any source?	<i>Yes.....1 No.....2&gt;&gt;Q82</i>	
80	What is the main source of electricity used by your household?	<i>National grid (ZESCO) .....1</i>	
		<i>Local mini grid .....2</i>	
		<i>Diesel/ Petrol genset.....3&gt;&gt;161 (Genset)</i>	
		<i>Solar home system .....4&gt;&gt;Q130(Solar Home Sys)</i>	
81	Does your household use electricity for the following purposes?	<b>Purpose</b>	<b>Response</b>
		Household business	Yes No
		Farm irrigation	Yes No
		For entertainment	Yes No
		For information and/or the news	Yes No
		For better safety outside the home (security)	Yes No
		For education of children	Yes No
Other Specify			
	Skip to Q92		

82	Would your household be willing to be connected to electricity if made available?	<i>Yes.....1 No.....&gt;&gt;Q88</i>
83	What type of electricity source would your household like to be connected to ?	<i>National grid (ZESCO) .....1</i> <i>Local mini grid .....2</i> <i>Solar lantern and lighting.....3</i> <i>Rechargeable battery.....4</i> <i>Diesel/ Petrol genset.....5</i> <i>Pico hydro.....6</i> <i>Solar home system .....7</i> <i>Other Specify.....8</i>
84	Would your household be willing to pay an electricity connection fee?	<i>Yes.....1 No.....</i>
85	How much would your household be willing to pay per month?	
86	What method of payment would your household prefer	1=Outright cash payment
		2=cash instalments
		3=Through the electricity bill as part payment
		4=In-kind payment(eg farm produce, assets, labour etc)
		5=Direct deduction from your monthly salary

	What is the main reason for your household requiring to get connected to electricity.	
87	1= For entertainment 2=For information and/or the news 3=For better lighting within the home 4=For better safety outside the home 5=To improve income 6=Because electricity is cheaper than other fuels 7=For education 8=Other specify _____	
88	Why would you not want your household to be connected to electricity	1= Cannot afford connection fee 2= Cannot afford units/ monthly payment 3= Cannot afford cost of wiring 4= Cannot afford to buy electrical appliances 5=We do not see any use of electricity 4=Others, specify _____

**NATIONAL GRID ELECTRICITY**

89	What is the main reason for your household not being connected to electricity?	1= <i>Electricity is not available in my area</i> 2= <i>Can't afford the connection fee</i> 3= <i>Can't afford the cost of house wiring</i> 4= <i>Can't afford the monthly payment</i> 5= <i>Cannot afford to buy electrical appliances</i> 6= <i>We are satisfied with present energy source</i> 7= <i>We do not see any use of electricity</i> 8= <i>Other reason specify</i>
90	Do you expect to get connected to electricity?	1= <i>Yes</i> 2= <i>No&gt;&gt;Next section</i> 3= <i>Don't know&gt;&gt;Next section</i>
91	When do you expect to get national grid connection?	1= <i>within 14 working days</i> 2= <i>15 to 30 working days</i> 3= <i>3 to 5 months</i> 4= <i>6 months</i> 5= <i>Above 6 months</i> 6= <i>I don't Know</i>
92	<b>FOR THE HOUSEHOLDS THAT SAID YES IN Q82</b> Once connection fee was paid, how long did it take for the household to be connected to the national grid?	1= <i>within 14 working days</i> 2= <i>15 to 30 working days</i> 3= <i>3 to 5 months</i> 4= <i>6 months</i> 5= <i>Above 6 months</i>

		6= <i>Don't know</i>
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93	How many years has your household had this national grid connection?	..... <i>I don't know</i>
94	How much did your household pay to get connected to the national grid connection?	..... <i>I don't know</i>
95	How many days after you applied for the national grid connection did your housing unit get connected?	1= <i>within 14 working days</i> 2= <i>15 to 30 working days</i> 3= <i>3 to 5 months</i> 4= <i>6 months</i> 5= <i>Above 6 months</i> 6= <i>I don't know</i>

96	How many hours of electricity are available each day from the national grid?	.....
97	In the last 7 days, how many hours of electricity were available each evening on average, from 18:00 to 22:00 hours from the national grid? ( <b>Maximum 4 hours</b> )	<i>Number of hours</i>
		<i>Number of minutes</i>
		<i>Don't know / unsure</i>
98	In the last 7 days, how many times were there unscheduled outages or blackouts from electricity from the national grid?	<i>Number of outages or blackouts</i>
		<i>Don't know / unsure</i> .....
99	What is the total duration of all the unscheduled outages or blackouts in the last 7 days?	<i>Number of hours</i>
		<i>Number of minutes</i>
		<i>Don't know / unsure</i>
100	In the last 12 months, did any of your household's appliances get damaged due to fluctuations in voltage from electricity from the national grid?	<i>Yes...1</i>
		<i>No.....2</i>
101	In the last 12 months, did anyone in this household experience the following .....from using electricity from the national grid?	<i>Death ...1</i>
		<i>Permanent limb damage .....2</i>
		<i>Body injury.....3</i>
		<i>Other specify.....4</i>
102	How do you mainly contact your electricity service provider to request for a service or file a complaint?	<i>1= Call/Visit/ SMS utility</i>
		<i>2= Call a local technician</i>
		<i>3= Send a letter/email</i>
		<i>4= Social media</i>
		<i>5= Talk to community representative</i>
		<i>6= No system to request a service/ file complaint</i>
		<i>7=Other specify</i>

103	The last time you reported a fault, how long did it take for it to be rectified?	1= <i>Less than one day</i>
		2= <i>One day</i>
		3= <i>More than one day but less than 7 days</i>
		4= <i>More than 7 days</i>
		5= <i>Other, specify</i>
104	The last time you requested for an undertaking (meter separation, inspection, energy audit etc) from your electricity service provider, how long did it take to get feedback?	1= <i>Less than one day</i> 2= <i>One day</i> 3= <i>More than one day but less than 7 days</i> 4= <i>More than 7 days</i>
105	Does your household have an electric meter?	1= <i>Yes, not shared</i> 2= <i>Yes, shared</i> 3= <i>No</i> >> <u>Q106</u>
106	What type of a meter does your household use?	1= <i>Pre-paid</i> 2= <i>Post paid</i> 3= <i>Don't know</i>

107	How many housing units are sharing this meter?  <b>Ask only if only Q104=2.Yes, shared</b>	
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108	In your opinion, how is your household electricity supply during the dry season ?	1= <i>Irregular</i>	
		2= <i>Regular</i>	
109	During the dry season, could you please estimate the number of hours (in total) electricity service has not been available to your housing unit due to electricity cuts or blackouts?	<b>Response</b>	<b>Number</b>
		1= <i>Number of hours</i>	
		2= <i>Never</i>	
		3= <i>Do not know (enter 999)</i>	
110	In your opinion, how is your household electricity supply during the rainy season?	1= <i>Irregular</i>	
		2= <i>Regular</i>	

		<b>Response</b>	<b>Number</b>
<b>111</b>	During the rainy season, could you please estimate the number of hours (in total) electricity service has not been available to your housing unit due to electricity cuts or blackouts?	<i>Number of hours</i>	
		<i>Never</i>	
		<i>Do not know (enter 999)</i>	

		<b>Uses</b>	<b>Backup source</b>
<b>112</b>	In case of power failure from the National grid, what is the main backup source used by the household, if any?	Lighting	1. Dry cell batteries 2. Candles 3. Kerosene wick lamp 4. Gas lamp 5. Generator 6. Externally Rechargeable Batteries 7. Solar Home System 8. Other Specify 9. No backup source
		Cooking and Heating	1. Kerosene 2. Gas (LPG) 3. Generator 4. Solar Home System 5. Other Specify 6. No backup source
		Electrical Appliances	1. Gas (LPG) 2. Generator 3. Externally Rechargeable Batteries 4. Solar Home System 5. Other Specify 6. No backup source

## MINIGRID ELECTRICITY

113	What is the name of the local mini-grid?	<i>Applies only to those that picked 2 (Local mini grid) in Q1</i>
114	Is there a limit to the load and/or appliances you are allowed to power from this mini-grid connection?	1=Yes....
		2=No...
115	How many years has your household had this mini-grid connection? <b>Enter 0 if less than one year</b>	1=.....Number 2=I don't know
116	How much did your household pay for the mini-grid connection in ZMW?	.....
117	How long after you applied for the mini-grid connection did your household get connected?	1=within 14 working days 2=15 to 30 working days 3=3 to 5 months 4=6 months 5= Above 6 months
118	Who received the payment for your mini grid connection?	1=Energy company
		2=Pre-paid meter card seller/ <b>Energy company agent</b>
		3=Community/village representative
		4=Other specify
119	<i>How many hours of electricity are available to your household each day from the mini-grid?</i>	
120	<i>How many outages/blackouts occur in a week?</i>	
121	<i>What is the total duration of all the outages/blackouts in a week in hours</i>	
122	How do you mainly contact your electricity service provider to request for a service or file a complaint?	1=Call / SMS utility
		2=Call a local technician
		3=Send a letter/email
		4=Social media
		5=Talk to community representative
		6=No system to request service/ file complaint
		7= Visit the utility company
		8=Other specify
123	The last time you reported a fault, how long did it take to be rectified?	1=Less than one day
		2=One day
		3=more than one day but less than 7 days
		4=more than 7 days
		5=Never reported a fault

124	The last time you requested for an undertaking (meter separation, inspection, energy audit, faults etc) from your electricity service provider, how long did it take to get feedback?	1= Less than one day
		2= One day
		3= More than one day but less than 7 days
		4= More than 7 days
		5=Never requested for a service
125	What challenges does your household experience with the mini grid?  (MULTI-RESPONSE)	1=Supply shortage/not enough hours of electricity
		2=Low voltage
		3=High voltage
		4=Voltage fluctuations
		5=Unpredictable interruptions
		6=Unexpected high bills
		7=Too expensive
		8=Do not trust the supplier
		9=Can not power large appliances
		10=Maintenance/service problems
		11=No problems
		12=Other, specify

126	In your opinion, how is your household electricity supply during the dry season?  REMEMBER TO REMOVE THE  NEUTRAL OPTION IN THE QUESTIONS ABOVE	1=Irregular	
		2=Regular	
127	During the dry season, could you please estimate the number of hours (in total) electricity service has no been available to your housing unit due to electricit cuts or blackouts?	<b>Response</b>	<b>Number</b>
		1=Number of hours	
		2=Never	
		3=Do not know (enter 999)	
128	In your opinion, how is your household electricity supply during the rainy season?	1=Irregular	
		2=Regular	

<b>129</b>	During the rainy season, could you please estimate the number of hours (in total) electricity service has not been available to your housing unit due to electricity cuts or blackouts?	<b>Response</b>	<b>Number of hours</b>
		<i>1=Number of hours</i>	
		<i>2=Never</i>	
		<i>3=Do not know (enter 999)</i>	

<b>130</b>	In case of power failure from the Mini-grid, what is the main backup source used by the household, if any?	<b>Uses</b>	<b>Backup source</b>
		Lighting	<ol style="list-style-type: none"> <li>1. Dry cell batteries</li> <li>2. Candles</li> <li>3. Kerosene wick lamp</li> <li>4. Gas lamp</li> <li>5. Generator</li> <li>6. Externally Rechargeable Batteries</li> <li>7. Solar Home System</li> <li>8. Other Specify</li> <li>9. No backup source</li> </ol>
		Cooking and Heating	<ol style="list-style-type: none"> <li>1. Kerosene</li> <li>2. Gas (LPG)</li> <li>3. Generator</li> <li>4. Solar Home System</li> <li>5. Other Specify</li> <li>6. No backup source</li> </ol>
		Powering other Electrical Appliances	<ol style="list-style-type: none"> <li>1. Generator</li> <li>2. Externally Rechargeable Batteries</li> <li>3. Solar Home System</li> <li>4. Other Specify</li> <li>5. No backup source</li> </ol>

**SOLAR HOME SYSTEMS**

131	How many months has it been since your household had the solar home system installed?	<i>1=0-6months                  2=7-12months                  3=more than 12 months                  4= I don't know</i>
132	How much did your household purchase the Solar home system?	<i>K.....                  I don't know</i>

133	What challenges does your household experience with the solar home system?	<i>1=Can not power large appliances                  2=Limited power supply</i>
	<b>(MULTI-RESPONSE)</b>	<i>3=Too expensive to use                  4=Hard to maintain/service                  5= Unpredictable interruptions                  6= Other specify                  7= No challenge</i>
134	In the last 12 months how many times has your solar home system broken down? <b>If didn't break down enter 0</b>	<i>.....times                  If 0 &gt;&gt;Q137</i>

135	The last time your Solar home system had broken down, which of the following parts broke down?	<i>1=Battery</i>
		<i>2=Lamp (light bulb/tube)</i>
		<i>3=Solar panel</i>
		<i>4=Charge Controller</i>
		<i>5=Inverter</i>
		<i>6=Other, specify</i>
		<i>7=I don't know</i>
136	The last time your solar home system broke down, how did you have it repaired?	<i>1=Technician/repair person came to our house to repair:</i>
		<i>2=Took it to repair shop</i>
		<i>3=Other, specify</i>
137	In the last 12 months how much did your household spend on repairing your solar home system ?	<i>1=Battery.....in ZMW</i>
	<u>NOTE TO CAPI: Only parts reported in 134 should pop up</u>	<i>2=Lamp (light bulb/tube)..... in ZMW</i>
		<i>3=Solar panel..... in ZMW</i>
		<i>4=Inverter..... in ZMW</i>
		<i>5=Charge controller.....in ZMW</i>
		<i>6=General repair.....in ZMW</i>
		<i>6=Did not repair</i>

138	<i>Irregular</i>	
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During which months in the last 12 months was the electricity supply from your solar home system not able to power the usual appliances it is designed for?	1=yes,2=no	
	January 1=Yes,2=No	
	February 1=Yes,2=No	
	March 1=Yes,2=No	
	April 1=Yes,2=No	
	May 1=Yes,2=No	
	June 1=Yes,2=No	
	July 1=Yes,2=No	
	August 1=Yes,2=No	
	September 1=Yes,2=No	
	October 1=Yes,2=No	
	November 1=Yes,2=No	
	December 1=Yes,2=No	

139	In case of power failure from the solar Home System, what is the main backup source used by the household , if any?	<b>Uses</b>	<b>Backup source</b>
		Lighting	1. Dry cell batteries 2. Candles 3. Kerosene wick lamp 4. Gas lamp 5. Generator 6. Externally Rechargeable Batteries 7. Other Specify 8. No backup source
		Cooking and Heating	1. Kerosene 2. Gas (LPG) 5. Generator 6. Other Specify 7. No backup source
		Electrical Appliances	1. Generator

		2. Externally Rechargeable Batteries 3. Other Specify 4. No backup source
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**BATTERIES (EXTERNALLY RECHARGEABLE BATTERIES)**

<b>140</b>	How many of each of the following batteries do you use? Read out to the battery types to the respondent	1= Lithium Ion 2=Lead acid 3=Nickel 4=Sodium based 5=Other specify
<b>141</b>	Do you use that ..... battery for the following?  (Linked to response in preceding question)	a. Radio Yes/No
		b. Lighting Yes/No
		c. Television Yes/No
		d. Flashlight Yes/No
		e. Other, specify
<b>142</b>	How much did it cost to buy such a battery/s?	K..... I don't know
<b>143</b>	How often do you charge your battery per month?	1=daily 2=every week 3=every two weeks 4=every three weeks 5=once a month 6=other specify
<b>144</b>	What is the primary charging source?	National grid (ZESCO) .....1 Local mini grid .....2 Solar .....3 Diesel/ Petrol genset.....4 Pico hydro.....5 Other Specify..... 6
<b>145</b>	When fully charged, how long does your battery last?	.....hours .....days
<b>146</b>	Does your household have an inverter that allows you to use appliances such as TV, Fan, Fridge ?	Yes....1
		No....2

147	What is the capacity of the inverter in watts ?	
-----	---	--

148	What is the Capacity of the battery/s in Ampere Hour (Ah) ?	<u>Type of Battery</u> <u>Capacity</u>
		<i>Lithium Ion .....Ah</i> <i>Lead acid.....Ah</i> <i>Nickel.....Ah</i>
		<i>Sodium based.....Ah</i> <i>Other specify.....Ah</i>
149	What is the voltage of the rechargeable batteries?	<u>Type of Battery</u> <u>Voltage</u>
		<i>Lithium Ion .....Volts</i> <i>Lead acid..... Volts</i> <i>Nickel..... Volts</i> <i>Sodium based..... Volts</i> <i>Other specify..... Volts</i>
150	How much did your household pay to recharge the batteries?	<i>K.....</i> <i>Did not pay</i>

		<i>1=Daily</i>
		<i>2=Every two days</i>
		<i>3=Every three days</i>
		<i>4=Every four days</i>
		<i>5=Every five days</i>

151	Is battery recharging limited by availability of electricity supply ?	<i>1=Yes 2=No</i>
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152	What challenges, if any, does your household experience with the rechargeable batteries?  <b>(MULTI-RESPONSE)</b>	<i>1=Limited power supply</i>
		<i>2=Too expensive to use</i>
		<i>3=Hard to maintain/service</i>
		<i>4=Not durable</i>
		<i>5= Other specify</i>
		<i>6= No Challenge</i>

153	In case of power failure from the battery/s, what is the main backup source used by the household , if any?	<b>Uses</b>	<b>Backup source</b>
		Lighting	1. Dry cell batteries 2.Candles 3.Kerosene wick lamp

		Gas lamp Generator Other Specify No backup source
	Cooking and Heating	1.Kerosene 2. Gas (LPG) 3. Generator 4. Other Specify 5. No backup source
	Electrical Appliances	1. Gas (LPG) 2. Generator 3. Other Specify 4. No backup source

**GENERATOR**

<b>154</b>	What does your household use the generator for?  <b>(MULTI-RESPONSE)</b>	<i>1=Lighting</i>
		<i>2=Television</i>
		<i>3=Radio</i>
		<i>4=Water Pumping</i>
		<i>5=Home-based income activity</i>
		<i>6=Cooking and heating</i>
		<i>7=Other; specify</i>
<b>155</b>	Does your household own this generator?	<i>1=Yes.....&gt;&gt;Q165</i>
		<i>2=No.....</i>
<b>156</b>	Who owns this generator?	<i>1= Another household 2=Rental company 3=NGO, 4=Community 5=Other specify</i>
<b>157</b>	Does your household rent this generator?	<i>1= Yes 2=No&gt;Q167</i>
<b>158</b>	What mode of payment does your household use to pay for this rented generator?	<i>1= Cash 2=Mobile money 3=Bank transfer 4=Barter 5=Other specify</i>
<b>159</b>	How much did your household pay to purchase the generator?	<i>K..... Did not purchase</i>

160	In the last 12 months, how much did your household pay for repairs/ parts/ maintenance of the generator/	K..... Did not pay									
161	What is the power rating (output) of the generator?	..... <b>Unit</b> 1= <i>kilowatt</i> 2= <i>KVA</i> 3= <i>Horsepower</i>									
162	How long has your household been using this generator?	<u>1=0-6 months</u> <u>2=7-12 months</u> <u>3=Above 12 months</u>									
162	What type of fuel does your household use in this generator?	1= <i>Diesel</i> 2= <i>Petrol</i>									
164	In the last 30 days how much did your household spend on fuel for this generator ?	K..... <i>Did not spend</i>									
165	Does your household share this generator with other households?	1= <i>Yes</i> 2= <i>No</i> >> <b>Q173</b>									
166	How many households are sharing electricity from this generator?	_____ _____									
167	What is the size of the fuel tank of this generator?	.....liters _____ _____									
168	How many hours could your household use this generator continuously in 24 hours if you wanted to? How many hours does your household use this generator	_____ _____									
169	..... Hours each day?	_____									
170	What challenges does your household experience with this generator, if any?  (MULTI-RESPONSE)	<table border="1"> <tr><td><i>Limited power supply</i></td></tr> <tr><td><i>Cannot power large appliances</i></td></tr> <tr><td><i>Too expensive to use</i></td></tr> <tr><td><i>Non availability of fuel</i></td></tr> <tr><td><i>Hard to maintain/service</i></td></tr> <tr><td><i>Loud/Noisy</i></td></tr> <tr><td><i>Unpredictable interruptions</i></td></tr> <tr><td><i>Other specify?</i></td></tr> <tr><td><i>No challenges</i></td></tr> </table>	<i>Limited power supply</i>	<i>Cannot power large appliances</i>	<i>Too expensive to use</i>	<i>Non availability of fuel</i>	<i>Hard to maintain/service</i>	<i>Loud/Noisy</i>	<i>Unpredictable interruptions</i>	<i>Other specify?</i>	<i>No challenges</i>
<i>Limited power supply</i>											
<i>Cannot power large appliances</i>											
<i>Too expensive to use</i>											
<i>Non availability of fuel</i>											
<i>Hard to maintain/service</i>											
<i>Loud/Noisy</i>											
<i>Unpredictable interruptions</i>											
<i>Other specify?</i>											
<i>No challenges</i>											

171	In case of power failure from the generator ,what is the main backup source used by the household , if any?	<b>Uses</b>	<b>Backup source</b>
		Lighting	1. Dry cell batteries 2.Candles 3.Kerosene wick lamp
			4. Gas lamp 5. Externally Rechargeable Batteries 6. Solar Home System 7. Other Specify 8. No backup source
		Cooking and Heating	1.Kerosene 2. Gas (LPG) 3.Solar Home System Other Specify No backup source
	Electrical Appliances	Externally Rechargeable Batteries Solar Home System Other Specify No backup source	

## SECTION 5: HOUSEHOLD AMENITIES AND HOUSING CONDITION

INTRODUCTION: I am now going to ask you about various amenities and housing conditions			
No.	QUESTION	CATEGORY AND CODE	CODE
1A	What kind of dwelling does your household live in?	TRADITIONAL HUT ..... 1 HOSTEL .....10 IMPROVED TRADITIONAL HOUSE ..... 2 NON-RESIDENTIAL BUILDING DETACHED HOUSE ..... 3 (EG SCHOOL CLASSROOM, ETC) .....11 FLAT/APARTMENT/MULTI-UNIT ..... 4 UNCONVENTIONAL (EG KANTEMBA, SEMI-DETACHED HOUSE ..... 5 STORAGE CONTAINER, ETC) .....12 SERVANTS QUARTERS ..... 6 PLASTIC SHEETS (REFUGEE) .....13 GUEST WING ..... 7 OTHER (SPECIFY).....14 COTTAGE .. ..... 8 HOUSE ATTACHED TO/ON TOP OF SHOP ETC ... 9	<input type="checkbox"/> <input type="checkbox"/>

1B	How many rooms are occupied by this household excluding bathrooms and toilets? ( <i>For rural areas count the number of rooms in each hut belonging to the household collectively</i> )	NUMBER <input type="text"/>		
2	On what basis does your household occupy the dwelling you live in? Is it [...]? <b>READ OUT</b>	Owner-occupied ..... 1 Rented from local Government (District council) ..... 2 Rented from Central Government ..... 3 Rented from Private Company ..... 4  Rented from Parastatal (e.g. ZSIC, NAPSA, NHA, etc) 5  Rented from private persons (landlord) ..... 6	House owned and provided free by employer ..... 7 Other free housing ..... 8 Other (Specify) ..... 9	<input type="text"/>
<b>SECTION 5: HOUSEHOLD AMENITIES AND HOUSING CONDITIONS (Cont'd)</b>				
3	What kind of building materials is/are the [...] of this dwelling mainly made of? <b>[IF A MULTI-STOREY/UNIT BUILDING RECORD BUILDING MATERIALS OF THE OUTER ROOF (ROOF TOP) AND OUTER WALL].</b>	<p style="text-align: center;"><b>(A) ROOF</b></p> <hr/> NO ROOF ..... 1                      CONCRETE ..... 9 GRASS THATCH/PALM LEAF ..... 2                      ROOFING SHINGLES ..... 10 RUSTICS MAT ..... 3                      MUD TILES ..... 11 PALM/BAMBOO ..... 4                      OTHER SPECIFY ..... 12 WOOD PLANKS ..... 5 CARD BOARD ..... 6                      NOT APPLICABLE ..... 13 METAL/IRON SHEETS ..... 7                      DON'T KNOW ..... 14 CALAMINE/CEMENT FIBRE ..... 8		<input type="text"/>
		<p style="text-align: center;"><b>(B) WALLS</b></p> <hr/> PAN BRICK ..... 1                      STEEL ..... 14 CONCRETE BRICK ..... 2                      HARDBOARD ..... 15 MUD BRICK ..... 3                      A MIXTURE OF HARDBOARD, TIN BURNT BRICK ..... 4                      SHEET, PLASTIC, ETC ..... 16 POLE ..... 5                      OTHER (SPECIFY) ..... 17 POLE & DAGGA ..... 6                      NOT APPLICABLE ..... 18 MUD ..... 7                      GRASS/STRAW ..... 8 DON'T KNOW ..... 19 IRON SHEETS ..... 9 PRE-CAST CONCRETE SLAB ..... 10 PREFABRICATED PANELS ..... 11 ASBESTOS ..... 12 STONE WITH BUILDING LIME ..... 13		<input type="text"/>
		<p style="text-align: center;"><b>(C) FLOOR</b></p> <hr/> CONCRETE ONLY ..... 1                      PARQUET OR POLISHED WOOD ..... 8 COVERED CONCRETE ..... 2                      VINYL (PVC) OR ASPHALT STRIPS ..... 9		

		MUD ..... 3 CERAMIC/TERAZZO TILES/MARBLE ..... 10 WOOD ONLY ..... 4 CEMENT ..... 11 EARTH/SAND.....5 BRICK.....12 DUNG.....6 OTHER SPECIFY.....14 PALM/BAMBOO/LEEDS.....7 NOT APPLICABLE.....15 DON'T KNOW.....16	
4	What is the <b>main</b> source of water supply for this household?	PIPED WATER INTO THE HOUSING UNIT .....01>> <b>Next section</b> PIPED WATER OUTSIDE HOUSING UNIT WITHIN STAND/PLOT ..... 02>> <b>next section</b> PIPED TO NEIGHBOUR (NEIGHBOR'S PIPED WATER) ..... 03 COMMUNAL TAP ..... 04 PROTECTED BOREHOLE .....05 UNPROTECTED BOREHOLE ..... 06 PROTECTED WELL ..... 07 UNPROTECTED WELL .....08 PROTECTED SPRING ..... 09 UNPROTECTED SPRING .....10 RIVER/DAM/ STREAM/LAKE/ POND /CANAL (SURFACE WATER) .....11 RAINWATER ..... 12 WATER KIOSK ..... 13 WATER VENDOR ..... 14 TANKER TRUCK 15 OTHER TAP ..... 16 OTHER 96 (SPECIFY)	<input type="checkbox"/> <input type="checkbox"/>
5	How far is this source of water from this house? <b>[IF LESS THAN ONE KILOMETRE ENTER "0"]</b>	DISTANCE IN KILOMETRES	<input type="checkbox"/> <input type="checkbox"/>

**SECTION 5: INCOME**

Introduction: I am now going to ask you about income from various sources. Ask only to household members that are 5 years and above					
1	2	3	4	5	6
<p>Did ..... earn any income in the last 30 days</p> <p>Yes.....1</p> <p>No...2&gt;&gt;&gt;&gt;&gt;next name on roster</p>	<p>How much income in total does .....earn from his/her <b>main</b> economic activity in the last 30 days <b>(excluding income farming activities)?</b></p>	<p>Did.....receive any remittance in the last 12 months Yes..1</p> <p>No...2&gt;&gt;Q 5</p>	<p>How much in total remittance did .... receive in the last 12 months? (in Zambian Kwacha)</p> <p>Use prevailing rate at the time of receipt</p>	<p>Did .....receive income from any other sources in the last 30 days? (excluding remittances and income farming activities)?</p> <p>Yes...1</p> <p>No...2&gt;&gt; Q7</p>	<p>How much in total did .... receive from any other sources in the last 30 days?</p>

7	8				
<p>Did.....earn any income from his /her household farming activities in the last 12 months?</p> <p>Yes....1</p> <p>No.....2&gt;&gt; next section</p>	<p>How much income in total did.....earn from his/her household farming activities in the last 12 months?</p>				

**SECTION 6: HOUSEHOLD EXPENDITURE**

<p><b>INTRODUCTION: I would like to ask you questions about your <u>household expenditures</u> (include estimates on direct purchases, consumption from bulk purchases and gifts/in-kind)</b></p>		
<b>EXPENDITURE ITEMS</b>	<b>1</b>	<b>2</b>


		Did your household spend on the following in the last 30 days Yes.....1 No.....2>>>>(NEXT ITEM)	How much did your household spend on.....in the last 30 days?	
<b>FOOD ITEMS</b>	1	Cooking Oil		
	2	Mealie Meal		
	3	Cassava consumption		
	3	Chicken		
	4	Fish		
	5	Beef and Pork (including other meat types)		
	6	Sugar		
	7	Salt		
	8	Spices (e.g. Curry Powder, chilli)		
			<b>3.</b> How much did your household spend on.....in the Last 7 days ?	<b>4.</b> In how many weeks in the last 30 days did you buy .....? “ <i>maximum 4</i> ”
	9	Bread		
	10	Leafy Vegetables		
	11	Tomatoes		
	12	Onions		
13	Soft Drinks (including juices)			
14	Alcoholic beverages			
	15	[If you can't give a breakdown, please provide the total amount spent on food and beverages]		

<b>EXPENDITURE ITEMS</b>		<b>5</b> Did your household spend on the following in last 30 days Yes.....1 No.....2>>>>(NEXT ITEM)	<b>6</b> How much did your household spend on the following in the last 30 days?
<b>NON-FOOD ITEMS</b>	1	Cosmetics (top society, fair & lovely)	
	2	Soap and Detergent (boom, lifebuoy)	
	3	Hair Dressing/Barber	
	5	Electricity	
	6	Water	
	7	Kerosene/Paraffin	
	8	Airtime	

9	Transport ( Fuel, bus fare)		
10	Charcoal		
11	Fire Wood		
12	Cooking Gas		
13	Salaries including Salaries/Wages for Domestic Workers		
14	Remittances (in cash and kind)		
15	Sanitary Towels		
17	Diapers		
18	Others (Specify)		
	[If you can't give a breakdown, please provide the total amount spent on food and beverages]		
	<b>TOTAL AMOUNT</b>		

## SECTION 7: HOUSEHOLD ASSETS

INTRODUCTION: I am now going to ask you about various assets that are in working condition or serviceable that this household owns

		<b>DO NOT COUNT PERMANENTLY BROKEN ITEM</b>		
		Q1	Q2	
 <b>READ OUT</b>		Does this household own (ITEM) YES....1	How many (ITEM)s does your household own?	
		NO....2 >> NEXT ITEM		
		<b>CODE</b>	<b>NUMBER</b>	
		<b>GENERAL ITEMS</b>	1	Bed
2	Mattress			
3	Mosquito net			
4	Table (dinning)			
5	Lounge suit/sofa			
6	Radio/ Stereo			
7	Black and White Television			
8	Colour Television			
9	Smart Television			
10	Satellite/ Decoder (Free to air)			
11	Satellite dish/ decoder (DSTv)			
12	Other pay TV			

	13	Satellite dish/ decoder (Top Star)		
	14	Satellite dish/ decoder (Zuku)		
	15	DVD/VCR		
	16	Home theater		
	17	Land Phone		
	18	Cellular phone		
	19	Laptop		
	20	Desktop computer		
	21	Wristwatch		
	22	Table/Wall Clock		
<b>KICHEN/ HOUSEHOLD</b>	23	Residential Building		
	23	Non-residential building		
	25	Brazier/Mbaula		
	26	Gas stove		
	27	Electric stove		
	28	Refrigerator		
	29	Deep freezer		
	30	Washing machine		
	31	Dish washer		
	32	Air conditioner/ ventilator		
	33	Electric iron		
	34	Non-electric iron		
	35	Private water pump		

<b>TOOLS &amp; MACHINES</b>	36	Sewing machine		
	37	Hand hammer mill		
	38	Grinding mill/ hammer mill (Electric)		
	39	Grinding mill/ hammer mill (Diesel)		
	40	Sheller		
	41	Ramp presses/ oil expellers		

		<b>READ OUT</b>	Do you or any member of your household own.....? Yes.....1 No....2>>NEXT ITEM	How many .....does your household own?
			CODE	NUMBER
	36	Hand saw		
	37	Carpentry plane		

TOOLS & MACHINES	38	Axe		
	39	Pick		
	40	Hoe		
	41	Hammer		
	42	Shovel/spade		
	43	Fishing net		
	44	Hunting gun		
	45	Plough		
	46	Crop sprayer		
	47	Knitting machine		
	48	Lawn mowers		
	49	Barbershop machine		
	50	Saloon equipment		
	51	Generator		

TRANSP ORT	52	Small/ hand-drawn tractor		
	53	4 wheel tractor		
	54	Wheel barrow		
	55	Scotch cart		
	56	Bicycle		
	57	Motor cycle		
	58	Large truck		
	59	Small/ pickup truck		
	60	Van/ minibus		
	61	Car		
	62	Canoe		
	63	Boat		

ANIMALS	64	Oxen		
	65	Donkey		

OTHER	66	Other (specify)		
	67	Other (specify)		
	68	Other (specify)		

THANK YOU FOR YOUR COOPERATION