



United Republic of Tanzania

### HOUSEHOLD ENERGY CONSUMPTION SURVEY 2023/24

(This information is collected under the Statistics Act, [Cap 351 R.E 2019])

THIS INFORMATION IS STRICTLY CONFIDENTIAL AND IS TO BE USED FOR STATISTICAL PURPOSES ONLY

Executed by the Ministry of Energy and National Bureau of Statistics



**IDENTIFICATION DETAILS 0.**

HH GPS Coordinates

Y(S)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
X(E)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

	CODE	NAME
1. REGION	<input type="text"/> <input type="text"/>	_____
2. DISTRICT	<input type="text"/> <input type="text"/>	_____
3. COUNCIL	<input type="text"/> <input type="text"/>	_____
4. ELECTION STATE	<input type="text"/>	_____
5. DIVISION	<input type="text"/>	_____
6. WARD/SHEHIA	<input type="text"/> <input type="text"/> <input type="text"/>	_____
7. VILLAGE/MTAA	<input type="text"/> <input type="text"/> <input type="text"/>	_____
8. ENUMERATION AREA (EA)	<input type="text"/> <input type="text"/> <input type="text"/>	_____
9. HOUSEHOLD NUMBER & NAME OF HOUSEHOLD HEAD	<input type="text"/> <input type="text"/> <input type="text"/>	_____
10. NAME OF LOCAL LEADER/SHEHA		_____
11. PHONE NUMBER OF LOCAL LEADER/SHEHA	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	_____
12. NAME OF ENUMERATOR & ID	<input type="text"/> <input type="text"/>	_____
13. PHONE NUMBER OF ENUMERATOR	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	_____
14. DATE OF INTERVIEW		____ / ____ / ____
15. DID THE HOUSEHOLD AGREE TO BE INTERVIEWED?		
YES.....1	NO ..... 2	<input type="checkbox"/>

**SECTION I: HOUSEHOLD MEMBERS**

IN ORDER TO MAKE A COMPREHENSIVE LIST OF INDIVIDUALS CONNECTED TO THE HOUSEHOLD, USE THE FOLLOWING PROBE QUESTIONS:

First, give me the names of all the members of your immediate family who normally live and eat their meals together here.

WRITE DOWN NAMES, SEX, AND RELATIONSHIP TO HH HEAD. LIST HOUSEHOLD HEAD ON LINE 1.

Then, give me the names of any other persons related to you or other household members who normally live and eat their meals together here.

Then, give me the names of other persons who are not present now but normally live and eat their meals here. For example, household members studying elsewhere or travelling.

Finally, give me the names of any other persons not related to you or other household members, but who normally live and eat their meals together here, such as servants, lodgers, or other who are not relatives.

DO NOT LIST SERVANTS WHO HAVE A HOUSEHOLD ELSEWHERE, AND GUESTS WHO ARE VISITING TEMPORARILY AND HAVE A HOUSEHOLD ELSEWHERE.

	1.	2.	3.	4.	5.	6.
	NAME	What is the sex of [NAME]?	What is [NAME]'s relationship to the head?	How old is [NAME]? IF LESS THAN 1 YEAR OF AGE, TYPE ZERO	What is [NAME]'s current marital status?	What is the main economic activity of (NAME)?
	MAKE A COMPLETE LIST OF ALL INDIVIDUALS WHO NORMALLY LIVED AND ATE THEIR MEALS TOGETHER IN THIS HOUSEHOLD IN THE PAST 6 MONTHS, STARTING WITH THE HEAD OF HOUSEHOLD.  (CONFIRM THAT HOUSEHOLD HEAD HERE IS SAME AS HOUSEHOLD HEAD LISTED ON COVER.)	MALE.....1 FEMALE...2	HEAD OF HOUSEHOLD.....1 SPOUSE.....2 SON/DAUGHTER.....3 FATHER/MOTHER.....4 GRAND SON/DAUGHTER.....5 OTHER RELATIVE.....6 OTHER NOT RELATIVE.....7		Never Married.....1 Married.....2 Living Together.....3 Divorced.....4 Separated.....5 Widowed.....6 Not stated.....7	
	LIST	CODE	CODE	YEAR	CODE	CODE
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

SECTION II: EDUCATION			
For all household member 5 years and older we would like to know about their education.			
	1.Can [Name] read and write ?	2. What is the schooling status of (NAME)?	3.What is the highest grade of education [Name] completed?
I N D I V I D U A L  I D	Kiswahili.....1 English.....2 Kiswahili & English.....3 Any other language .....4 Don't Read/Write.....5	Attending School.....1 Dropped Out.....2 Completed.....3 Never Attended School...4	PP...1 ADULT...1 <b>PRIMARY</b> D1...11 D2...12 D3...13 D4...14 D5...15 D6...16 D7...17 D8...18 OSC...19 MS+COURSE...20 <b>SECONDARY</b> F1...21 F2...22 F3...23 F4...25 O+COURSE...25 F5...31 F6...32 A+COURSE...33 DIPLOMA...34 <b>UNIVERSITY &amp; EQUIVALENT</b> U1...41 U2...42 U3...43 U4...44 U5&+...45
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

<b>Section 1: Businesses operation</b>			
Questions asked/Variables requested	Yes=1/no=2	Share	Specification
1. Did you run one or more business linked to your household in 2023?			
1.1. Was this the only income?			
1.2. Is it possible to separate the energy consumption of business activities from private consumption?			
Type of business			
Crop Farming			
Livestock breeding			
Charcoal production			
Restaurant			
Brickyard			
Brewery			
Other			

<b>Section 2: Electricity</b>					
Questions asked/Variables requested	Yes=1/no=2	Frequency annually=1 monthly=2	Quantity in l/kwh	Specification	Expenditures
2. Did your household use Electricity during the period of January to December 2023?					
2.1. What were the sources of your electricity?					
Tanesco					
Minigrid					
Own solar					
Own generator					
Diesel					
Petrol					
Kerosene					
Other					
Other					
2.2. Is electricity used for					
Business					
Lighting					
Consumer/office electronics					
Kitchen appliances					
Charger					
Air condition					
Other					
2.3. What were the quantities purchased in the last month?					
D1 Contract					
T1 Contract					
T2 Contract					
T3 Contract					
2.4.1 How much did you pay for electricity in the last month?					

<b>Section 3: Cooking</b>				
<b>Questions asked/Variables requested</b>	<b>Yes=1/no=2</b>	<b>Frequency</b>	<b>Quantity in kg</b>	<b>Specification</b>
3. Do you cook mainly indoors				
3.1. Do you use cooking activity during cool season also for space heating?				
3.2 Do you use cooking also for water heating for other purposes than cooking, e.g. dish washing or body care ?				
3.3. Do you use electricity for cooking?				
3.4 Do you use LPG for cooking?				
3.5. Do you use kerosene for cooking?				
3.6. Do you use paraffin for cooking?				
3.7. Do you use natural gas for cooking?				
3.8. Do you use biogas for cooking?				
3.9. Do you use bioethanol for cooking?				
3.10. Do you use fire wood for cooking?				
Three-stone stove				
Round mud stove				
Improved cooking stove				
Rocket stove				
Burned mud/clay stove				
Lorena 1 Rocket stove				
Rocket stove metal				
Lorena 2 Rocket stove				
Moz Metal rocket stove				
3.10.3 Do you heat up water for other purposes than cooking (e.g. dish washing) directly after cooking?				
3.11.Do you use charcoal for cooking?				
Traditional charcoal stove				
Traditional raised charcoal stove				
Old generation charcoal ICS				
Ceramic lined charcoal ICS				
3.11.3 Do you heat up water for other purposes like cooking directly after cooking?				
3.12.Do you use other?				
3.13.Do you use other?				
3.14.Do you use other?				

<b>Section 4: Water heating</b>					
<b>Questions asked/Variables requested</b>	<b>Yes=1/no=2</b>	<b>Frequency</b>	<b>Quantity in kg</b>	<b>Specification</b>	<b>m<sup>2</sup>/kWh</b>
4.1. Do you heat up water regularly for other purposes than cooking and independently from cooking ?					
4.2. Do you use electricity for water heating?					
4.3. Do you use LPG for heating?					
4.4. Do you use kerosene for water heating?					
4.5. Do you use paraffin for water heating?					
4.6. Do you use natural gas for water heating ?					
4.7. Do you use biogas for water heating ?					
4.8. Do you use bioethanol for water heating?					
4.9. Do you use fire wood for water heating?					
4.10. Do you use charcoal for water heating?					
4.11. Do you use solar heat for water heating?					
4.12. Do you use other ?					
4.13. Do you use other ?					

<b>Section 5: Space heating</b>					
<b>Questions asked/Variables requested</b>	<b>Yes=1/no=2</b>	<b>Period</b>	<b>Quantity in kg</b>	<b>Specification</b>	<b>m<sup>2</sup>/kWh</b>
5.0. Do you use additional energy commodities for space heating?					
5.1. Do you heat your dwellings during the cool season?					
5.2. Did you use electricity for space heating?					
5.3. Did you use natural gas for space heating ?					
5.4. Did you use biogas for space heating?					
5.5. Did you use LPG for space heating?					
5.6. Did you use kerosene for space heating?					
5.7. Did you use fire wood for space heating?					
5.8. Did you use charcoal for space heating?					
5.9. Did you use Solar heat for space heating?					
5.10. Did you use other ?					
5.12. What is your main heating system?					
Open fire					
Portable stove					
Stationary oven					
Reversible AC					
Electric heater					
Solar heating system					

<b>Section 6: Lighting</b>					
<b>Questions asked/Variables requested</b>	<b>Yes=1/no=2</b>	<b>Room nr</b>	<b>Time</b>	<b>Specification</b>	<b>Quantity/Frequency</b>
6.0 Did you light your dwelling in 2023 regularly?					
6.1. Did you use electricity for lighting (excluding torches and solar lantern)?					
6.2. Did you use LPG for lighting?					
6.3. Did you use kerosene lighting?					
6.4. Did you use candles for lighting (paraffin wax)?					
6.5. Did you use acetylene for lighting ?					
6.6. Did you use biogas for lighting?					
6.7. Did you use fire wood for lighting?					
6.8. Did you use solar lanterns for lighting ?					
6.9. Did you use torches (using dry cells) for lighting ?					
6.10. Did you use rechargeable battery lamp for lighting ?					
6.11. Did you use other?					

<b>Section 7: Quantities used/related expenditures</b>						
<b>Questions asked/Variables requested</b>	<b>Purchased Yes=1/no=2</b>	<b>Consumption annually=1 monthly=2</b>	<b>Unit/Size kg/l/m<sup>3</sup>/basket</b>	<b>Quantity</b>	<b>Expenditures</b>	<b>Storage period</b>
LPG						
Kerosene						
Paraffin						
Acetylene						
Candles						
Natural gas						
Biogas						
Fire wood						
Charcoal						
Specified 1 in Section 2-Section 6						
Specified 2 in Section 2-Section 6						
Specified 3 in Section 2-Section 6						
Specified 4 in Section 2-Section 6						
Specified 5 in Section 2-Section 6						

**Section 8: Privately owned vehicles**

Questions asked/Variables requested	Ownership Yes=1/no=2	Business use Yes=1/no=2	Number	Quantity	Expenditures	l/100 km	Annual km
8.1.1. Do you own personal cars ?							
Diesel							
Gasoline							
LPG							
Kerosine							
Electricity							
8. 1.2 Do you own light duty vehicles ?							
Diesel							
Gasoline							
LPG							
Kerosine							
Electricity							
8.1.3. Do you own heavy duty vehicles?							
Diesel							
Gasoline							
LPG							
Kerosine							
Electricity							
8.1.4. Do you own 3-wheelers?							
Diesel							
Gasoline							
LPG							
Kerosine							
Electricity							
8.1.5. Do you own 2-wheelers?							
Diesel							
Gasoline							
LPG							
Kerosine							
Electricity							

**Section 9: Business related consumption for Businesses reported in Section 1 (except charcoal production)**

Questions asked/Variables requested	Yes=1/no=2	Consumption annually=1 monthly=2	Unit/Size kg/l/m <sup>3</sup> /basket	Quantity	Expenditures	Storage period
Electricity consumption						
D1 Contract						
T1 Contract						
T2 Contract						
T3 Contract						
LPG consumption						
Kerosene consumption						
Paraffin consumption						
Acetylene consumption						
Candles consumption						
Natural gas consumption						
Biogas consumption						
Fire wood consumption						
Charcoal consumption						
Other 1 consumption						
Other 2 consumption						
Other 3 consumption						
Other 4 consumption						
Other 5 consumption						

**SECTION 10. Results of the Interview**

Complete Interview.....1    Respondent not available.....2    Incomplete Interview.....3  
Refusal.....4    No right person to respond.....5    Other.....98

**Supervisor Name:** \_\_\_\_\_    **ID** \_\_\_\_\_    **Date** \_\_\_\_ / \_\_\_\_ / \_\_\_\_