**Survey for households with access to electricity**

1. **General information**

Date: …../..… /….…

Location:

Number of user:

Interviewed information:

Name: ...

Age: ….

Role: ….

Sex: …

Education: ...

Work: …

Coordinates: …

TABLE 1

|  |  |  |  |
| --- | --- | --- | --- |
| Gender/Age | Number | Activity | When/Where |
| Children 0-5 |  |  |  |
| Children 5-17 |  |  |  |
| Women over 17 |  |  |  |
| Men 17-59 |  |  |  |
| Men over 59 |  |  |  |

TABLE 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Week | Children 0-5 | Children 5-14 | Women over 14 | Men 15-59 | Men over 59 |
| 0 |  |  |  |  |  |
| 1 |  |  |  |  |  |
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| 22 |  |  |  |  |  |
| 23 |  |  |  |  |  |

Which weather condition affects your activities? (rain, temperature..)

Do you have some change of the time schedule of the day in the weekend? In the different seasons?

1. How many rooms there are in your household?
2. **Habits change**

B1. How the electrification has affected your habits?

* Wake up / go to sleep time
* Work / School time
* Lunch / Dinner time
* Free activities time

1. **Income**

C1. Which activity do you do as job?

* 1. Agriculture
     1. Land extension, kind of cultivation, production (self consumption/selling/trade), months

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* 1. Cattle breeding
     1. Quantity, kind, production (self consumption/selling/trade), months

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* 1. Seasonal work, months

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* 1. Self-employment (shop)

i. Which activity, months

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* 1. Receive help from family
  2. Receive subsidies
  3. ………………….

C2. How many times do you go to shop monthly/weekly? How much do you spend?

C3. Which goods do you buy?

C4. How often do you pay your electricity bill ?

* + - * Daily
      * Weekly
      * Monthly
      * Bimonthly
      * Threemonthly
      * Other (please specify)...................……..

C5. How much do you pay the bill on average every time? …...Bs

C6. Which is the monthly average electricity consumption of your household? (Do you have a meter? Do you check consumptions?)

C7. Do you have any comments about the electricity supply?

1. **Electricity use and supply**

D1. Which are the devices using electricity in the house?

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| appliance  i | Nominal Power  Pij [ W ] | Number  Nij | Average daily use  “ hij” [ h ] | Functioning window  Wf,ij  (seasonality) | Minimum time  Dij [min] | Seasonality  (examples) | When do you buy it? |
| in. lights (lamp, bulb) |  |  |  |  |  |  |  |
| out. lights (lamp, bulb) |  |  |  |  |  |  |  |
| radio |  |  |  |  |  |  |  |
| phone/battery charger |  |  |  |  |  |  |  |
| fridge |  |  |  |  |  |  |  |
| freezer |  |  |  |  |  |  |  |
| Mixer |  |  |  |  |  |  |  |
| hot plate |  |  |  |  |  |  |  |
| kettle |  |  |  |  |  |  |  |
| fan |  |  |  |  |  |  |  |
| air conditioner |  |  |  |  |  |  |  |
| TV-dvd |  |  |  |  |  |  |  |
| Other (please specifiy) |  |  |  |  |  |  |  |
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D2. Which are the devices using electricity in the house before the electrification?

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| --- | --- | --- | --- | --- | --- | --- |
| appliance  i | Nominal Power  Pij [ W ] | Number  Nij | Average daily use  “ hij” [ h ] | Functioning window  Wf,ij  (seasonality) | Minimum time  Dij [min] | Seasonality  (examples) |
| in. lights (lamp, bulb) |  |  |  |  |  |  |
| out. lights (lamp, bulb) |  |  |  |  |  |  |
| radio |  |  |  |  |  |  |
| phone/battery charger |  |  |  |  |  |  |
| fridge |  |  |  |  |  |  |
| freezer |  |  |  |  |  |  |
| Mixer |  |  |  |  |  |  |
| hot plate |  |  |  |  |  |  |
| kettle |  |  |  |  |  |  |
| fan |  |  |  |  |  |  |
| air conditioner |  |  |  |  |  |  |
| TV-dvd |  |  |  |  |  |  |
| Other (please specifiy) |  |  |  |  |  |  |
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D3. Can you put in a priority and utility order the electric appliances? (appliances of the table before)

How much you’re willing to pay for these appliances?

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TABLE 3

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Used** | **Purpose** | **Supply** | **Price** | **Quantity** | **Frequency** | **Transport** | **Time** |
| **Biomass** |  |  |  |  |  |  |  |  |
| **Diesel** |  |  |  |  |  |  |  |  |
| **Gasoline** |  |  |  |  |  |  |  |  |
| **GLP** |  |  |  |  |  |  |  |  |
| **Kerosene** |  |  |  |  |  |  |  |  |
| **Charcoal** |  |  |  |  |  |  |  |  |

**Others:**

**Purpose:** Cooking (C), Space Heating (SH), Water Heating (WH), Electricity (E), Others (O);

**Transport:** Hand (H), Motorbike (M), Car (C), Truck (T), Others (O);

1. **Candles use and supply**

E1. Do you use candles at home?   □ Yes □ No

E2. How many candles do you buy? How much do the candles cost?

E3. Where do you buy it? How much time do you need for purchasing it?

1. **Cooking** (for cooking fuel supply see the table above)

F1. Is cooking done indoors, outdoors, both?

F2. With which frequency?

1. **Heating & Cooling**

G1. Do you have cold during the year?

G2. Which appliance do you use for heating?

G3. Do you have hot during the year?

G4. Which appliance do you use for cooling?

G5. Which is the material of house?

1. **Spatial Network**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Appliances  i | 1) Do you have it? | 2) Will you buy it? | How many owners/neighborhood of this appliance did you know when you buy it? (1) | How many owners/neighborhood of this appliance do you know? (2) | Why? (2, no) |
| in. lights (lamp, bulb) |  |  |  |  |  |
| out. lights (lamp, bulb) |  |  |  |  |  |
| radio |  |  |  |  |  |
| phone/battery charger |  |  |  |  |  |
| fridge |  |  |  |  |  |
| freezer |  |  |  |  |  |
| Mixer |  |  |  |  |  |
| hot plate |  |  |  |  |  |
| kettle |  |  |  |  |  |
| fan |  |  |  |  |  |
| air conditioner |  |  |  |  |  |
| TV-dvd |  |  |  |  |  |
| Other (please specifiy) |  |  |  |  |  |
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Note: