

# **Survey Report: RA1- EFEWEE Quantitative Survey**

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## About this Report

The aim of this report is to present a household survey that was conducted with the aim to measure the impact of women's empowerment across various types of electricity access. The survey was conducted in three rural sites in Nepal, Kenya and India. The report discusses the sampling design, the survey method, the study's limitations and challenges, and provides the overall results and summary tables. For a presentation and analysis of the survey's main findings, see

University of Oslo, TERI, Seacrest Consulting and Dunamai Energy (2019). Women's empowerment and electricity access: How do grid and off-grid systems enhance or restrict gender equality? Research report RA1, ENERGIA.

The report derives from the independent research project "Exploring factors that Enhance and restrict Women's Empowerment through Electrification" (EFEWEE). The project constitutes Research Area 1, 'Electrification through grid and decentralised systems', under the Gender and Energy Research Programme funded by the UK Department for International Development (DFID), coordinated by ENERGIA, the International Network on Gender and Sustainable Energy. For further information, see <http://www.efewee.org/>

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For information about the overall research design and analytical framework, see

University of Oslo, TERI, Seacrest Consulting and Dunamai Energy (2016). "Exploring Factors that Enhance and restrict Women's Empowerment through Electrification (EFEWEE). Scoping study report." ENERGIA: Gender and Energy Research Programme. <http://www.energia.org/cm2/wp-content/uploads/2016/07/RA1-Scoping-Report.pdf>

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## 1. EFEWEE Survey design, proposed sampling methodology and size; and instructions for enumerators.

This section details the initial approach and survey design that was proposed. The actual methods eventually pursued were, in some cases, much different from the proposed approach. The changes in methods adopted during the survey are detailed in subsequent sections viz. [limitations](#), [issues faced by enumerators](#) and [lessons learned](#).

### A. Survey Instructions

#### A.1 Identifying social groups

This proposed quantitative survey design was prepared following a qualitative exercise for the three countries, Kenya, India and Nepal, as a part of the study titled '*Exploring Factors that Enhance and restrict Women's Empowerment through Electrification* (EFEWEE)'. Based on the insights gained during qualitative fieldwork (e.g. interviews with key people in the villages, staff in local electricity supply, female/male householders and female/male focus group discussions), we developed descriptions of the local context for each country case. We also tested earlier versions of the survey questionnaire during the qualitative research. This preparatory work helped us plan the sampling procedure and refine the survey tool (questionnaire).

For the purpose of comparison, three types of subsamples (study sites / villages) were initially proposed to be selected in each of these three countries, with at least one village connected to the central grid, one providing householders with electricity from decentralised renewable energy systems (micro hydro or solar based micro-/mini-grids or Solar Home Systems) and one non-

electrified village.<sup>1</sup> Since the study aimed to assess the impact of electricity on women's empowerment, we ensured that we covered an adequate (70 percent) number of women respondents, while approximately 30% were men respondents.

Within each village, we initially planned to construct strata based on cultural and socio economic parameters like ethnicity, income, education and then covering each of these strata equally during the sampling. However, this was not entirely possible because we did not manage to obtain a detailed mapping of individual household characteristics ahead of the survey.

#### *Box 1.1: Initial plan for Stratification (later modified)*

- Select three types of subsamples:
  - At least one village with grid connection
  - At least one village with decentralised renewable energy systems (micro hydro or solar based micro-/mini-grids / Solar Home System)
  - At least one non-electrified village
- Identify the geographical boundary of the villages/habitation and the total number of households.
- Talk to *key people* in each village to identify:
  - Homogenous social groups (strata) of households based on ethnic, geographic and socio-economic parameters.
  - Ensure equal coverage of each of these strata as far as possible within a village during the sample survey

## A.2 Survey Design

The main criterion for selecting sites for the household survey was to include similar off-grid solutions as this would enhance comparison of people's uses of similar types of access ('tiers') across the three countries. Because mini- or micro-grids existed in Mahadhevsthan (Nepal), Homa Bay (Kenya) and Chhattisgarh (India), these were selected for the survey rather than areas with other types of off-grid solutions.

To meet requirements for statistical representation, we used a strategy to cover a certain percentage of target population with predefined criteria before the sampling exercise. **We made**

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<sup>1</sup> While in India, study sites had villages/ geographical units that have exclusively one type of electricity access; in Nepal and Kenya, within a single study site a co-existence of all three types of electricity access were considered as sites with exclusive type of access were not found. As a result, the sampling strategy was tweaked to address the specific cases in Kenya and Nepal. See [\(Section 4.3\)](#) for a detailed discussion on Nepal's sampling design. For Kenya, based on the initial information samples were selected like the Indian samples with villages specific to a particular type of access. But, on the field it was found that multiple type of electricity access was found in all Kenyan villages. Hence the sampling design was accordingly adjusted to match the methodology followed in Nepal.

**sure to include a total of 70 percent women respondents** (our primary target group) and 30 percent men respondents. **At most 25 percent of households with small household businesses (such as small shops, petty sellers) were covered** in the survey. Most of the respondents covered under this survey were in their productive age (i.e. not children and not very old). Where possible, we spoke with the respondents in the absence of their spouse. In cases where more people were present, in addition to the respondent, the number and their gender also captured (through observation) in the questionnaire by the enumerators. Most of our enumerators were man (13), which constitutes a disadvantage in that women respondents, may have spoken more openly with women enumerators. However, we also drew on the services from 3 women enumerators and translators in Kenya.

## 2.1 Sampling Method

We used a systematic sampling exercise with random starting points by following 5 to 6 arrays of households in various directions from the village centre/market covering all the strata identified in the village in equal proportion. The gaps between the chosen households were calculated using the following formulae:

### *Box 1.2: Gap between surveyed households*

*Gap for villages with grid connection = Total number of grid households/ Sample size*

*Gap for villages with decentralised renewable energy systems = Total number of households with decentralised renewable energy systems / Sample size*

Example: If the desired sample size was 200 and the total number of households connected to the grid in the study site were 400, then  $400/200$  i.e 2 is considered as the gap between our surveyed houses i.e. in this case, we select the 1<sup>st</sup>, 3<sup>rd</sup> (1+2), 5<sup>th</sup>(3+2), 7<sup>th</sup> (5+2), 9<sup>th</sup>, 11<sup>th</sup> ..... and so on.

- In case of non-response/ unavailability of a respondent, we surveyed the very next household. That is, if we were surveying the 1<sup>st</sup>, 3<sup>rd</sup>, 5<sup>th</sup>, 7<sup>th</sup>, 9<sup>th</sup>, 11<sup>th</sup>, 13<sup>th</sup> household, and if it was found that the respondents in the 5<sup>th</sup> households is unavailable for the interview, we chose the 6<sup>th</sup> household and then, continued with our original household listing order from 7<sup>th</sup> onwards onto 9<sup>th</sup> and so on. Care was taken to maintain consistency and in all subsequent instances of non-availability of respondents, the same approach was followed, by surveying the successive household (and never the preceding one).

- The idea was to select a diverse set of households, and to avoid surveying too many households located centrally or those with similar socio-economic characteristics, ensuring a good spread that covered all the strata within the village.
- We kept a track of the profile of those who we have interviewed, to keep a count of how many women/men we have spoken to. This helped us in adjusting our approach, and in understanding the kind of new samples we would require.

The next section contains a detailed discussion on the sample sizes for all the three countries under consideration and the methodology we adopted for the sample size determination.

*Box 1.3: Checklist for ensuring spread and quality*

- Identify the village center/ market during initial interactions with *key people*
- From the village center/ market, identify 5-6 directions to approach the different strata.
- Starting with random starting points, follow systematic sampling as described in [Section 2.1](#)
- Make sure to cover households in all the geographical subunits within a village (i.e Wards/ Hamlets) and mark the name of the Ward/ Hamlet on the questionnaire accordingly.
- Make sure to include a total of 70% female and 30% male respondents.
- At most 25% of households with small businesses (such as small shop, petty sellers, tailors, etc.) should be covered.
- The respondent should be an adult between the ages of 20 to 60.
- If possible, try to interview the respondent in the absence of their spouse / family. In case others are present, capture the number and gender of those present in the questionnaire through observation.
- Capture GPS coordinates of each household surveyed. This will help us map the geographical spread of the observations.

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|--|
| j. To enable a transparent dialogue, female enumerators and translators are preferred to interview female respondents. |
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## 2.2 Sample size calculation

We calculated the sample sizes for the quantitative survey using the following formula and correcting for finite population.

$$\text{Sample size (SS)} = \frac{Z^2 * (p) * (1-p) * d}{e^2} \dots\dots\dots (i)$$

Where:

$Z$  =  $Z$  value (i.e 1.96 for 95% confidence level)

$p$  = 0.5 (Assuming 50% proportion of sample)

$e$  = margin of error

$d$  = design effect

$$\text{Finite sample size correction} = \frac{SS}{1 + \frac{SS-1}{\text{population}}}$$

### 2.2.1 Proposed Sample size for Kenya

Based on the overall number of households in Kenya, as per the initial information, the calculation using the above formula (i) suggested that a sample size of ~ 200 was statistically significant. A sample size of 200 households out of 356 households with 95% confidence interval accounted for 4.59% margin of error.

To ensure a representative spread within the three types of villages (grid, decentralised energy systems and unelectrified), the sample size of 200 was proportionally distributed across these study sites/ villages. The sample size divided by the total number of households was about



56.18%. This percentage was then applied to the number of households in all the three subsamples.

#### *Population and Sample Size*

Type of Access	Study Site/ Coverage	Households (HH)	Percentage (200/356)	Sample HH	Margin of error
Villages with grid	God Bura + God Liech	216	56.18 %	121	5.92%
Village with decentralised renewable energy systems	Kiwa Island	80		45	9.72%
Village without electricity	Ligongo	60		34	11.16%
<b>Total</b>	<b>Kenya</b>	<b>356</b>		<b>200</b>	<b>4.59%</b>

Source: \* Estimated households by type of access from EFEWEE Qualitative survey

We also looked at the *margin of error* for the sub-samples - the three study sites with the three types of access. To uniformly distribute the error across the various categories of samples, we re-estimated the sub-sample sizes to minimize and distribute the errors equally across them. The revised samples with their corresponding margin of errors are given in the table below.

#### *Revised samples with respective margin of error*

Type of Access	Study Site/ Coverage	Households (HH)	Sample HH	Margin of error
Villages with grid	God Bura + God Liech	216	100 (70+30)	7.20%
Village with decentralised renewable energy systems	Kiwa Island	80	55	7.43%
Village without electricity	Ligongo	60	45	7.37%
<b>Total</b>		<b>356</b>	<b>200</b>	<b>4.59%</b>

Source: \* Estimated households by type of access from EFEWEE Qualitative survey

Note: This was the initial plan for Kenya based on the initial information we had received. Samples were selected like the Indian samples with villages specific to a particular type of access. But on the field, it was found that multiple type of electricity access was found in all Kenyan villages. Hence the sampling design was accordingly adjusted to match the methodology followed in [Nepal](#).

#### 2.2.2 Proposed Sample size for India

Similarly for Chhattisgarh, India, based on the overall number of households, the calculations using the above formula (i) suggested a sample size of ~ 200 was statistically significant. A sample size of 200 households out of 442 households in India with 95% confidence interval accounted for 5.13% margin of error.

As in the case of Kenya, we ensured a representative spread across the three types of villages for this survey (grid electrified, electrified with decentralised renewable energy systems and unelectrified) by proportionally distributing the sample size of 200 across them. The sample size divided by the total number of households was about 45%. This percentage was then applied to the number of households in these three subsamples.

#### *Population and Sample Size- India*

Type of Access	Study Site/ Coverage	Percentage	Households	Sample HH	Margin of error
Villages with grid	Kachhardih	45.25%	239	108	7.00%
Village with decentralised renewable energy systems	Rawan + Modha		100	45	10.89%
Village without electricity	Bar		103	47	10.59%
<b>Total</b>			442	200	5.13%

Source: Garv Dashboard

We then looked at the *margin of error* for the sub-samples with the three types of access. To uniformly distribute the error across these categories, we re-estimated the sub sample sizes to minimize and distribute the errors equally across them. The revised samples with their corresponding margin of errors are given in the table below.

#### *Revised Samples - India*

Type of Access	Study Site/ Coverage	Households	Sample HH	Margin of error
Villages with grid	Kachhardih	239	85	8.55%
Village with decentralised renewable energy systems	Rawan + Modha	100	57	8.55%
Village without electricity	Bar	103	58	8.55%
<b>Total</b>		<b>442</b>	<b>200</b>	<b>5.13%</b>

Source: Garv Dashboard

### 2.2.3 Proposed Sample size for Nepal

Based on calculations using the formula (i) mentioned above, we found that a sample size of ~ 200 households out of an estimated 1000 households in Mahadevsthan, Nepal with 95% confidence interval accounted for 6.35% *margin of error*.

Creation of new administrative units in Nepal and the change in their geographical boundaries resulted in some significant differences in the current population of the selected villages vis-a-vis the figures as per the Nepal Census, 2011. Hence, sampling was done based on the estimates of total number households that we gathered during the qualitative surveys and interviews with village headman and other key persons.

#### *Population and sample size - Nepal*

Type of Access	Study Site/ Coverage	Households*	Sample HH	Margin of error
Areas with grid	Mahadevsthan + nearby areas	80	70 (40+30)	4.17%
Areas with decentralised renewable energy systems (hydro)		800	100	9.17%
Areas without electricity		35	30 (25+5)	6.86%
Total		<b>915</b>	<b>200</b>	<b>6.13%</b>

Source: \* Estimated households by type of access from EFEWEE Qualitative survey

While in India, study sites had villages/ geographical units that have exclusively one type of electricity access; in Kenya and Nepal, within a single study site a co-existence of all the three types of electricity access had to be considered in the absence of habitations with distinct types of electricity access. As a result, the sampling strategy was tweaked to cover hamlets or areas with access to grid, areas with access to decentralised renewable energy systems and those with unelectrified households. In Nepal, most households were connected to electricity through a decentralised energy system (Micro Hydro), and there were very few households connected to the grid. Further, there were also very few unelectrified households. For this reason, we had to include households from areas nearby Mahadevasthan to attain the minimum sub-sample sizes required to enable comparison between them.

Due to the lack of observations within the two categories, viz. households connected with grid and unelectrified households, for Nepal, we could not revise our estimates and distribute the errors uniformly across them. However, the overall *margin of error* for Nepal remained around 6 percent, while the margin of error for the sub samples remained below 10 percent.

#### 2.2.4 Proposed Combined Sample size (All countries)

The total population and sample sizes for all the three countries were then put together to examine the combined margin of error and compare the individual country specific margin of errors. The combined margin of error accounted for only 3.23 percent which translates to a high level of precision, while the margin of error for individual country specific sampling exercises ranged within the radius of 4.59 % to 6.13 % (i.e  $\pm 1.54$  %).

#### *Total Population and total sample size – All countries*

Countries	Total Households*	Sample Households	Margin of error
Kenya	356	200	4.59%
India	442	200	5.13%
Nepal	915	200	6.13%
Total	<b>1713</b>	<b>600</b>	<b>3.23%</b>

#### 2.3 Addressing non- sampling errors

Non-sampling errors are caused by factors other than those related to sample selection. These are factors, systemic or random, that may get in the survey design, resulting in inaccurate

representation of the 'true' value of the population. Erroneous information by respondents or errors due to non-response, errors by interviewers and errors in data entry are some examples of Non-sampling errors. In this survey, we planned to address the non-sampling at two ways. First, we planned to address the errors resulting from non-response by allowing for replacement of observations in our design. Secondly, we planned to address the response errors by asking important questions more than once, often in different forms, to check for consistency in the respondents' answers.

## B. Steps to follow during the interviews- (for Enumerators)

### B.1 Introduction to be given to the respondents:

#### *Box 1.4: Introduction used for the quantitative survey in Nepal- An example*

"This survey is being conducted in three countries (Nepal, India and Kenya) as a part of a research study being undertaken by the University of Oslo, Norway and TERI India.

We are trying to understand how access to electricity affects women's and men's wellbeing, and what can be done to further enhance the positive effects. This is important because many people don't have access to electricity today and many wish they had. People who do have access to electricity, or those who often experience long power cuts are unable to do many things which they could have done if they had access and regular supply.

Everything you tell us will be treated anonymously, thus apart from those who are listening to us right now; nobody else will know what you tell us. Based on the answers we get from people like you, we will summarise and publish the overall results, but not reveal specific names. We underline that you are not obliged to participate in this interview/research, and you have the right to stop or withdraw from the interview at any time.

The duration of the interview will be between 45 minutes to one hour. We would greatly appreciate it if you agree to answer our questions. Thank you very much for your kind collaboration and effort."

## B.2 How to fill in the questionnaire:

1. *Numbering of questionnaires:* To ensure a proper treatment of the data derived from the all the three surveys we numbered the questionnaires by identifying-

- Name of case study area, e.g. (NP) for Nepal
- Name of village, e.g. (MD) for Mahadevsthan
- Type of household subscription to electricity: Grid (G), Off-grid (OG), Portable system/lanterns (P), Solar Home System (SHS) or No household access (No)
- Female (W) or male (M) respondent
- Successive numbering and enumerator series for simultaneous interviews (eg. E1\_01, E2\_01)

Example: For the first interview in Mahadevsthan, Nepal, with a woman respondent who has access to offgrid electricity source, by Enumerator 1, the questionnaire was numbered as: NP MD OG W E1 01. Similarly, for Enumerator 2 surveying a man respondent in Mahadevsthan, Nepal who does not have access to electricity, the questionnaire was numbered as: NP MD No M E2 01

2. In cases where we knew that the person isn't married (i.e. single, divorced or widowed), we avoided asking about the situation of their 'spouse'. Similarly, while asking about asset ownership, we let the respondents answer and refrained from providing them with the options listed in the questionnaire, as the mention of the list of assets they do not possess, could have made them uncomfortable.

3. All monetary numbers were obtained in local currency and the prevailing exchange rate (to USD) was registered for each country during the survey.

4. *Multiple types of access to electricity:* We also registered multiple types of electricity access for those who had more than one source.

### *Box 1.5: Checklist before concluding an interview*

- Ensure that no question is left blank.
- In case of no response, remember to mark 'NR' or NA in the field adjacent to the respective question
- Conclude the interview by formally greeting the respondents, ask if they have anything else to add and then, continue towards the next household.

## 2. Limitations

While the previous section documents the methodology that was proposed, when undertaking the actual survey, many of the proposed methodology could not be pursued. We discuss some of the limitations of the survey in this section.

### 2.1 Population size and margins of error

There were issues related to the secondary information, population size and actual number of households under each category of access, viz. grid, mini grid, SHS, Battery/ lanterns and households without access.

- While in India, study sites had villages/ geographical units that have exclusively one type of electricity access; in Nepal and Kenya, within a single study site a co-existence of all three types of electricity access were considered as sites with exclusive type of access were not found. As a result, the sampling strategy was tweaked to address the specific cases in Kenya and Nepal. See ([Section 4.3](#)) for a detailed discussion on Nepal's sampling design. For Kenya, based on the initial information samples were selected like the Indian samples with villages specific to a particular type of access. But, on the field it was found that multiple type of electricity access was found in all Kenyan villages. Hence the sampling design was accordingly adjusted to match the methodology followed in Nepal.
- The total number of households that was originally used for sampling 200 households in each country was found to be different from the numbers we received later from Kenya and Nepal. For India too, we decided to change the secondary source from which we quote the population figures. The population (i.e the total number of households) was

taken from Garv database while calculating the proposed sample size. But the actual margin of error reported in the summary results ([Section 6.1](#)) is based on the Census data (which is thought to be more sacrosanct and hence we decided to use this). Similarly in Kenya, the total number of households in the proposed sampling design were reported to be much lower than what we eventually used while calculating the (actual) margin of error. In both Kenya and Nepal, the initial numbers were based on qualitative interviews which were later rechecked and corrected during the actual calculations of margin of errors.

- While the survey sites were chosen purposively (based on our qualitative study), the selection of sample households was done through a systematic sampling method with random starting points. The overall margin of error for samples in the study sites in Nepal, Kenya and India were 5.77%, 6.41% and 5.73% respectively. The subsamples sizes of *Grid*, *Mini Grid*/ *SHS* and *Some or No access* households were dependent solely on the type of access prevalent in the specific study area/ country. For India and Nepal, the subsamples for Grid, Mini Grid/SHS and Some or No access households are comparable, with a higher (37-42%) share of both Grid and mini Grid households. For Kenya, however, because of the lack of grid connections a similar proportion for Grid households could not be achieved resulting in a higher share of no access households.

## 2.2 Case specific findings

- Because of contextual differences, the shares of householders subscribing to electricity vary in the survey study villages. In the Nepalese study area, almost all households (96%) either had access to the central grid, a mini-grid or a Solar Home System (SHS). The corresponding figure for the studied Indian context, Chhattisgarh, was 87%, which matches the national average. In the study location in Homa Bay, Kenya, only 6% of the households were found to be registered with a grid connection. When collected numbers of SHS and (a few) mini-grid connections are included, however, the reported share of households with access in the Kenyan study locations is 41%.
- The initial ambition to quantify the impact of various types of electricity access proved challenging. In many contexts (particularly in Kenya) various types of private systems for electricity supply are rapidly spreading, and many householders use several systems interchangeably, making it difficult to measure the effect of one single system against the other. Also, analysis of the gendered impact of electricity requires that one observes a given context over time (social change happens over time), where also other changes occur simultaneously. And finally, householders who do not have electricity at home sometimes have access to electricity at their neighbours' place. Attribution and establishing causality (of electricity's effect) is therefore challenging. When we present frequencies (e.g. situation in literacy or income between households with various types of access), the differences should be understood as descriptive rather than results of electricity's impact.



- It is vital to note that the results presented in this study are specific to the study areas and do not represent the situation of the entire state/ country (though we may refer to the samples by country name for ease of reference). Further, since we are not aiming at state level or country level estimates based on the results from our sampled study sites, survey weights were not assigned to our results.

### **3. Issues faced by enumerators in the field during the survey**

Enumerators in Nepal found it difficult to ask questions related to ownership/ custody of bed, jewellery, assets, etc. Respondents felt hesitant to answer questions related to their sleep and wake up time. While most women respondents were open to answering the questions, few were very shy and enumerators had to probe. Sometimes the man in the households would intervene and try to answer on behalf of the women. Enumerators had to politely ask them not to by explaining that the focus of the survey study was women.

In India, enumerators found it difficult to register answers related to ownership of assets as the respondents could not separate the ownership between male and female of the households. Few respondents were shy and had to be probed by the enumerators to procure answers related to domestic violence and husband wife relations.

Poor road conditions were a hindrance during the survey in Kenya: there were several days when it rained and rendered the roads impassable, even by motorbike, so interview schedules were disrupted. On one of the days there was a funeral in the village, so most households were not available. Because the area is predominantly Seventh Day Adventist, most households were also not available on Saturdays. The enumerators worked around these problems by adjusting the timing of their interviews and creating alternate appointments and/or splitting the interviews into two sessions. The latter was also done because at times either the enumerator or the respondent found the questionnaires to be too long.

Because of the recent prolonged election period and political tensions arising from that, we could not, and did not ask questions about voting. Some HHs asked why enumerators were skipping their houses (ref the sampling procedure) – on Kiwa Island in particular, there were some comments that this appeared to be favouring the homes of people who were supporting the same candidate for the position of MP during the election.

Overall, across all three countries, the enumerators were welcomed by the villagers and they had productive discussions with the respondents.

### **4. Issues faced during compilation of data from the three countries and cleaning**



- The Nepal Survey was done using the CAPI software in Smartphones. Some of the skips used in the CAPI application's version of the questionnaire did not work due to errors (on the part of the Survey Agency) in the logic used. Hence parts of the survey had to be redone where data was not captured at the first instance. Due to the limited time, and because of the small size of samples, we carried out the survey without going for a pilot or on field testing of questionnaires in CAPI format. However this was a learning, that we should always test the questionnaires in a field before undertaking the actual survey.
- In India and Kenya, paper survey was undertaken as the enumerators were more comfortable with that format. Further due to the remote areas chosen for the survey, and lack of recharging options in remote villages where these surveys were undertaken, paper survey was thought to be more suitable and feasible. In the Kenyan case, many quantitative questions which required numeric responses, qualitative responses were registered (eg hours of outage, etc). Through this we learned that one advantage of using the CAPI application is that one can restrict the entries to the type of desired responses only (Numeric, binary or qualitative responses as desired) and can even limit their length (digits/ words). The format of the data and higher number of string/ non-numeric variables made it difficult to categorize these responses into broad categories for all the three countries.
- Challenges faced while cleaning also include different types of response option in different countries. This occurred due to some customizations that were made to capture country specific information. New response options that are more relevant for a specific locale were introduced in Kenya and India. While it is a good thing for country specific reports and analysis, for an inter country analysis, it demands a higher amount of time during the data cleaning process and in many cases renders comparison redundant.
- For Kenya and India, the unit of responses for many questions were inconsistent. For example, some of the responses for the same questions were registered in days, weeks and months; few others, in Hours, minutes, and days. That made the cleaning process longer and tedious.
- [Appendix A.3](#) details an overview of the indicators we had initially identified for the analysis, however due to the contextual differences and limitations mentioned, the data could not be used to establish causality

## 5. Changes and corrections made in the dataset / Data cleaning log

The data we received from the field survey teams in the three countries were partly in STATA format (Nepal) and partly in MS Excel format (Kenya and India). Statistical packages like STATA and SPSS softwares were used to clean and analyze the data. Data cleaning (after the

compilation of the three datasets), and the changes made to the combined dataset was a time consuming and tedious exercise. In this section we log the changes/ corrections that were made during the cleaning process.

**1) Numbering variables and incorporating data deriving from the two interview guides** (with and without electricity access). We initially sought to keep the numbering of questions identical in the two questionnaires, but in the final round of editing this slipped, so some of the same questions had different numbers. When the data was typed, the two sets were merged. The numbering from questionnaire used for people with access is the reference used in the dataset.<sup>2</sup> We mapped using a '[Variable-list](#)' we created which accounts for the numbering used in the dataset vis a vis the questionnaires.

**2) How access categories were constructed.** Generally we place hh in the highest" (tier) type of access. i.e. we label them as per their higher tier. For example, if they have both (functional) mini grid and SHS, they are regarded as mini-grid.

The determination of 'access categories' (**accesscategory**, a key variable used in the analysis) was based on responses to a range of questions:

- Electricity in HH (unnumbered)
- A33, Does your household have a connection to the national electricity grid? (no access: A34)
- A28 Is there grid/mini grid in your village? /How many meters (no access: same)
- A34 If using other forms of electricity (than grid), type of subscription ? (no access: same)
- B07, Does your household use Solar PV system or solar lantern? (no access: B04\_no access)
- B29, 'How much did it cost to get the connection/subscription/leasing agreement or to purchase the solar home system? Who paid, in whose name is the subscription registered?' (only Access)
- B38, If Solar Home System: do you know the size/capacity of the system? (Only Access)
- B39 Do you keep an individual system with solar panels (Lantern)? and a few others in the No Access questionnaire.
- Answers in B28 has not been consulted to create access categories because it was only answered by hh who have more than one type of access (see below).

**3) How solar types were constructed.** All households (questionnaire with and without access): Based on people's answers to questions regarding their various types of access A34<sup>3</sup>, which

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<sup>2</sup> For example, the values of no-access respondents in question B04 have been included in the corresponding number for hh with access: B07.

<sup>3</sup> Asked both households with and without access: A34 'Is your hh using other forms of electricity (than national grid)? Yes ☐ No ☐ Type of subscription (mark several if relevant)...'

category is more important/reliable B28<sup>4</sup> and questions in sections on SHS (B29<sup>5</sup>, B38<sup>6</sup>) and Lanterns (B07, see below, B39)<sup>7</sup> we have constructed a variable **solar**type (which occurs early in the list of variables). This sums up the various types of solar systems found among all households: SHS and lanterns (there were no lanterns in the Indian sample). The category “non-solar” refers to households without any kind of solar source.

#### 4) Asking about people’s prioritized electricity source and How to find data on peoples uses of solar systems.

Households ‘With Access’: Because respondents were first asked what kind of access they consider most important and reliable (B28), this prioritized type of access was the reference for their answers in B29. In B29 the initial variable names suggested that only grid/mini-grid could be the respondent’s prioritized source, so these variable names were later modified as shown below:

B29\_cost\_secondarysource  
 B29\_who\_paid\_secondarysource  
 B29\_whose\_name\_secondary\_regsrcd  
 B29\_cost\_primarysource  
 B29\_cost\_primarysource\_USD  
 B29\_who\_paid\_primarysource  
 B29\_whose\_name\_primarysource

Initial variable	Variable changed to	Label of variable (not fully updated, so modify running queries)
B29_cost_g_mg B29_cost_g_mg_USD B29_who_paid_g_mg B29_whose_name_g_mg	B29_cost_primarysource B29_cost_primarysource_USD B29_who_paid_primarysource B29_whose_name_primarysource	B29.How much did it cost to get the connection (Grid or Mini Grid) Expenditure on Electricity Connections B29.Who in the household paid to get the connection In whose name is the subscription

Hence, if they said that grid or mini-grid is most important, information about their possible (additional) uses of solar systems (SHS/lanterns) would not appear in B29. For Kenya and India, the initial variables in B29 (as specified above) include what was initially intended; details on their prioritized type of access (following their answer to B28). E.g. for Kenya, it includes information on the 58 hh who primarily use SHS (i.e. SHS is not their second source). This implies

<sup>4</sup> Only asked hh with access: B28 ‘If you have several types of access to electricity (Part 1A), which do you consider most important and reliable? (tick only one only) ... (The chosen system is the one to ask about in the following questions)’

<sup>5</sup> Only asked hh with access: B29 ‘How much did it cost to get the connection/subscription/leasing agreement or to purchase the solar home system? Who paid, in whose name is the subscription registered?’

<sup>6</sup> Only asked hh with access B38 ‘If Solar Home System: (costs, charging, spare parts, maintenance, how to pay, what did you have before etc)

<sup>7</sup> Only asked hh with access B39A: If Lantern: Do you keep an individual system with solar panels? How many lanterns, going to collect/deliver, cost, hours last, can charge mobile

that for Kenya and India we have limited information about decision making and gender of subscriber when solar is secondary in importance. Households in Kenya and India who only keep SHS or Lanterns, were included in the mentioned four variables.

In Nepal, the enumerators initially only asked questions in B29 to grid/mini-grid households. They went back to register answers to B29 for the SHS households again. When doing so, they registered information about SHS, whether primary, secondary or lesser in importance. So the following new variables for households in Nepal with SHS were created (regardless of the importance of SHS)

Variables created for Nepal data	Variables changed to	Label of variable
B29_cost_solar B29_who_paid_solar B29_whose_name_solar_registered	B29_cost_secondarysource B29_who_paid_secondarysource B29_whose_name_secondary_regsrcd	B29.How much did it cost to get the connection/subscription/leasing agreement or B29.Who in the household paid to purchase the solar home system? B29.In whose name is the subscription registered?

It means that for Nepal, these post-created variables in B29 give a nuanced picture of SHS people keep (not only the system considered most important). For prioritized access types in Nepal, we still have the answers (whether grid, mini-grid or SHS) in the initial questions B29 (B29\_cost\_primarysource etc). For example, we find that the number of hh in Nepal having SHS as prioritized source is 13.

**5) Solar: technical/economic data;** For all three countries (households with access), technical and economic information about SHS and lanterns – whether or not considered as the most important source - is found in section **B38 (SHS)** and **B39 (lantern)**.

We also ask specifically about whether people keep lanterns (B07 Does your household use solar lanterns?). However, the remaining questions in B07 refer to both lanterns and SHS: in which room used, who tends to decide on usage. (The variables were re-labeled to capture SHS and lanterns.)

In B08 we (again) only refer to lanterns and ask whether it can be used for charging mobile.

## 6) Data entry errors/ Quality check results:

**6.1** As per the raw data, in the India sample a higher percentage of women were observed in all of the following question which raised some questions.

B37 If electric meter, who looks at the meter to read consumption? B37 Who from the company comes to read consumption? B43 - Who in the company/agency assists you?
---

On checking back with the survey team, it was found that the women respondents were actually men. The answers to these questions were corrected for Indian households accordingly.

**6.2 The question D08 was handled in different ways** (starting with: “If women involved in el, was this the first time you witnessed women holding this kind of position?”). It was initially meant for any respondents who live in a village with organized supply (whether central grid, mini-grid or village scale supply). It was treated in the following ways in the three countries:

- In Kenya, all kinds of hh responded to this (whether access or not, and whatever type of village/supply)
- In Nepal, only responses from hh with access at home were collected (though very few hh without access)
- In India, it only includes hh with access because all the hh without access were found in villages with no supply.

The same pattern was followed in the three countries for the subsequent questions in D08.<sup>8</sup>

**6.3 Erroneous data on B07 solar in India have been corrected.** There are no solar lanterns in Indian households, so households registered in the category Batteries/solar lanterns all keep batteries only. Some of the data for India in the following variables were erroneously typed (either wrong or referred to grid/mini-grid, and have been corrected:

B07. Does your household use solar lanterns?
B07.If solar lantern for light: How many lanterns in the hh?
B07.In which rooms are they used the most?
B07. Who in the family tends to decide most on when and where these light sources
B08.If solar lantern or torch: can this be used for charging a mobile phone

**6.4 Domestic violence:** The high percentage of if husbands is entitled to beat their wife in India was double checked and found to be trustworthy. High alcohol consumption among tribal men was shared as the reasons by enumerators.

**6.5 Fixed and metered monthly expenditure on electricity:** Fixed expenditures reported among Indian Grid households were spotted in the data. This was due to an entry error as all grid households in India pay by meter. We shifted the values corresponding to grid households in India under fixed expenditure to metered expenditure column. (6/12)

## 5.1 Lessons Learned

This study helped us identify a few issues that future women empowerment and gender related surveys should take care of. We list some of the lessons we learned while undertaking this study:

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<sup>8</sup> D08 Did women’s involvement in supply change the way you think about women and what they can do? D08 Did this change the way you think about your daughter(s) or young girls in general and what they may be able to do in the future?

- Bar, one of the selected villages in India, become electrified when the quantitative survey was conducted, while it was unelectrified when we went to do the qualitative survey. We learned that while evaluating the same village through qualitative and quantitative methods, the time gap between the two surveys should not be too long. In that way the status of the households in that village may change between the surveys, thus rendering the results incomparable.
- For multiple choice responses, new options/ responses relevant to a specific locale may be added to the set of existing responses. We replaced the responses to those relevant to make them specific for Kenya and India. This created issues while compiling and combining the three country datasets and took more time than it would have normally.
- The combined training of all the three teams of enumerators may have helped us in achieving relatively more consistency and everyone would have been in sync with the kind of answers we expect. It was also realized that questionnaires should always be piloted in the field before undertaking the actual survey.
- Surveys done using softwares like CAPI can limit the errors as only the coded responses can be registered. If the initial coding is done properly and some time is invested in it, the data comes in a much cleaner format and is easily useable. However, tablet or smart phone surveys using softwares like CAPI are comparatively more expensive and many enumerators prefer to conduct paper surveys.

## 6. Results

The EFEWEE survey questionnaire was administered in the three countries- India, Kenya and Nepal during 2017 and 2018. The summary results from the Survey are presented below.

### 6.1. Frequency tables by Access Categories and demographics

#### 6.1.1 Sample Design and Access Categories- margin of error by villages

Country /Villages	Grid	Mini Grid	SHS only	Some or no Access	Total Sample	Total Number of households	Margin of Error
<b>India</b>							
Kachhardih	91				91	322	8.71%
Bar + Mohda + Rawan		91			91	376	8.96%
Aamgaan				33	33	110	14.03%
India Total	91	91		33	215	808	5.73%
<b>Kenya</b>							
God Bura + God Liech	32		24	48	104	1085	9.14%
Kiwa Island		6	22	28	56	397	12.15%
Ligongo			12	35	47	303	13.16%
Kenya Total	32	6	58	111	207	1785	6.41%
<b>Nepal</b>							
Mahadevsthan	81				81	85	2.38%
		96	13		109	800	8.73%

				30	30	35	6.86%
Nepal Total	81	96	13	30	220	920	5.77%
Grand Total (All three countries)	204	193	71	174	642	3513	3.50%

#### 6.1.2 Sample Design - margin of error by access categories

Access Category	Total households by Access type			Sample size			margin of error		
	Nepal	Kenya	India	Nepal	Kenya	India	Nepal	Kenya	India
Grid	85	105	322	81	32	91	2.38%	14.51%	8.71%
Minigrid + SHS	800	625	376	109	64	91	8.73%	11.62%	8.96%
Some or No Access	35	1055	110	30	111	33	6.86%	8.80%	14.34%
All type	920	1785	808	220	207	215	5.77%	6.41%	5.73%

#### 6.1.3 Access Categories-Villages

Villages/ Country	Grid	Mini Grid	SHS only	Batteries/ Solar Lanterns <sup>9</sup>	Stand alone Generators	No Access	Total Sample	Total Number of households
Mahadevsthan	81	96	13	24	0	6	220	920
<b>Nepal Total</b>	<b>81</b>	<b>96</b>	<b>13</b>	<b>24</b>	<b>0</b>	<b>6</b>	<b>220</b>	<b>920</b>
God Bura	23	0	15	3	1	32	74	634
God Liech	9	0	9	3	0	9	30	451
Kiwa Island	0	6	22	1	2	25	56	397
Ligongo	0	0	12	0	1	34	47	303
<b>Kenya Total</b>	<b>32</b>	<b>6</b>	<b>58</b>	<b>7</b>	<b>4</b>	<b>100</b>	<b>207</b>	<b>1785</b>
Kachhardih	91						91	322
Bar		31					31	216

<sup>9</sup> Indian households do not have solar lanterns. So Batteries/ Solar Lanterns category has households with batteries only



Rawan		29					29	81
Mohada		31					31	79
Aamgaan				9		24	33	110
<b>India Total</b>	<b>91</b>	<b>91</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>24</b>	<b>215</b>	<b>808</b>
<b>Grand Total</b>	<b>204</b>	<b>193</b>	<b>71</b>	<b>40</b>	<b>4</b>	<b>130</b>	<b>642</b>	<b>3513</b>

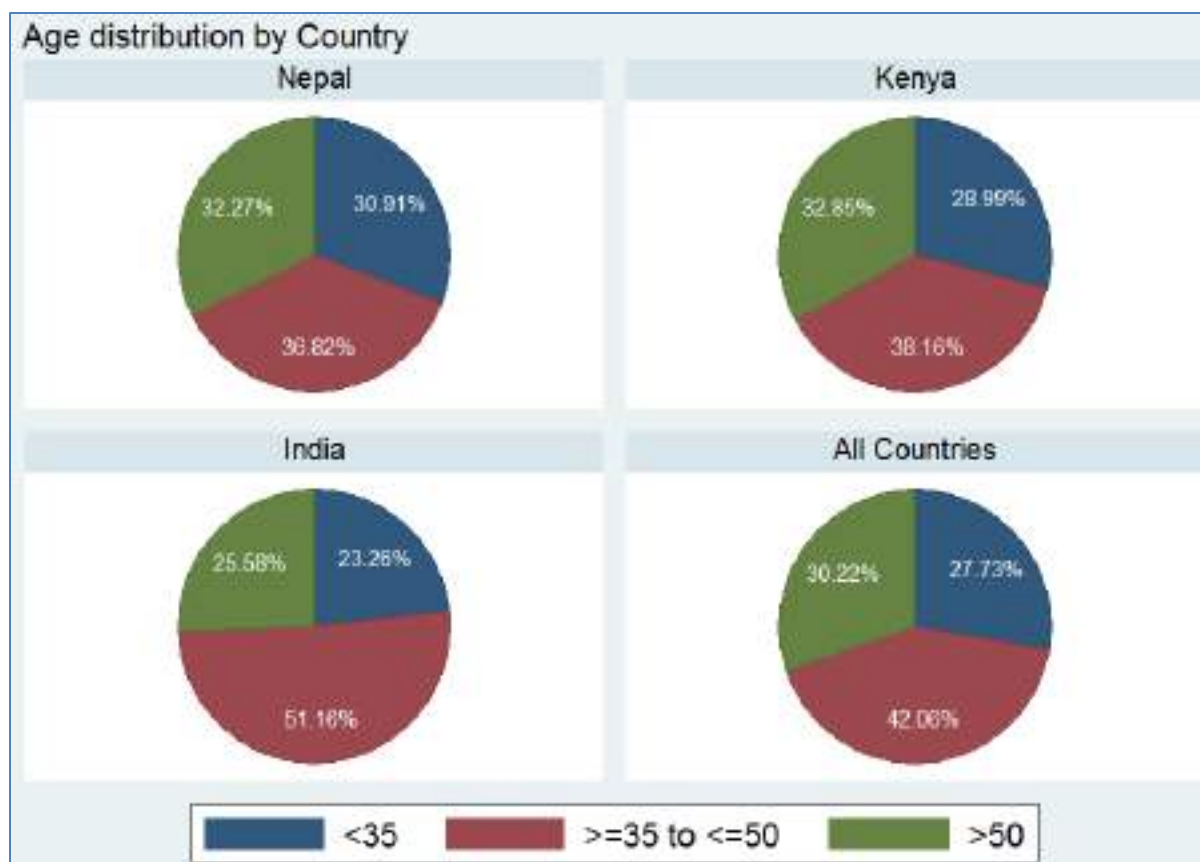
#### 6.1.4 Access Categories- Country totals (%)

Access Category	Name of the Country			Total
	Nepal	Kenya	India	
Grid	81	32	91	204
	39.71	15.69	44.61	100.00
	36.82	15.46	42.33	31.78
Mini Grid/ Micro Grid	96	6	91	193
	49.74	3.11	47.15	100.00
	43.64	2.90	42.33	30.06
SHS only	13	58	0	71
	18.31	81.69	0.00	100.00
	5.91	28.02	0.00	11.06
Batteries/ Solar Lant	24	7	9	40
	60.00	17.50	22.50	100.00
	10.91	3.38	4.19	6.23
Stand alone generator	0	4	0	4
	0.00	100.00	0.00	100.00
	0.00	1.93	0.00	0.62
No Access	6	100	24	130
	4.62	76.92	18.46	100.00
	2.73	48.31	11.16	20.25
Total	220	207	215	642
	34.27	32.24	33.49	100.00
	100.00	100.00	100.00	100.00

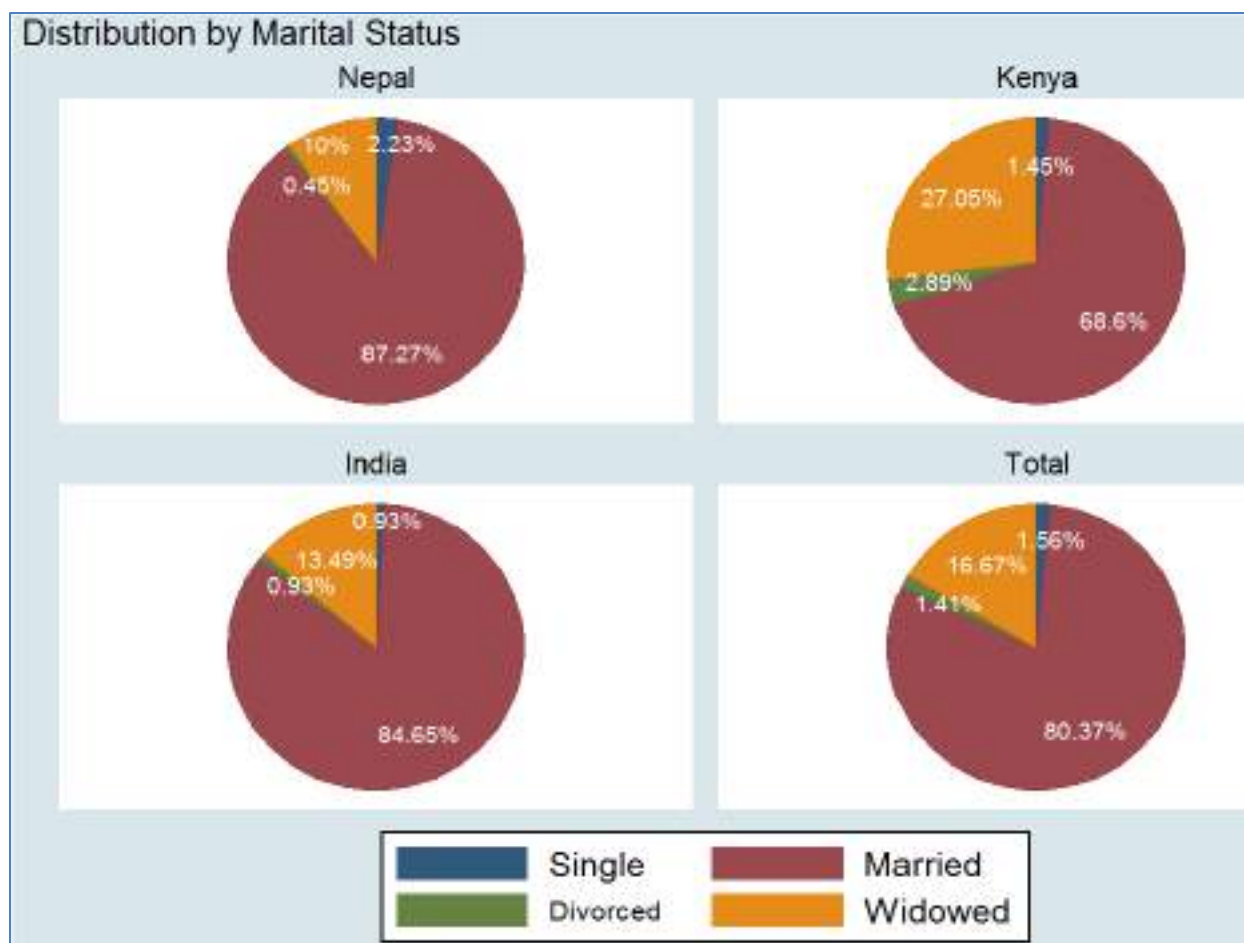
### 6.1.5 Sample spread by Gender, Age and Marital status



A03. Gender of the respondent	Name of the Country			Total
	Nepal	Kenya	India	
Female	161 34.77	151 32.61	151 32.61	463 100.00
Male	59 32.96	56 31.28	64 35.75	179 100.00
Total	220 34.27	207 32.24	215 33.49	642 100.00



Age Group	Name of the Country			Total
	Nepal	Kenya	India	
<35	68	60	50	178
	38.20	33.71	28.09	100.00
>=35 to <=50	81	79	110	270
	30.00	29.26	40.74	100.00
>50	71	68	55	194
	36.60	35.05	28.35	100.00
Total	220	207	215	642
	34.27	32.24	33.49	100.00



A04. Marital status of the respondent	Name of the Country			Total
	Nepal	Kenya	India	
Single	5 50.00	3 30.00	2 20.00	10 100.00
Married	192 37.21	142 27.52	182 35.27	516 100.00
Divorced	1 11.11	6 66.67	2 22.22	9 100.00
Widowed	22 20.56	56 52.34	29 27.10	107 100.00
Total	220 34.27	207 32.24	215 33.49	642 100.00

## 6.2. Socio Economic Status

### 6.2.1 Monthly Income

#### 6.2.1.1 Women and Men's income sources: Nepal

A20. Does the woman make any income?	Type of Electricity Access			Total
	Grid	Mini Grid	Some or N	
Yes	10 27.03	18 48.65	9 24.32	37 100.00
Sometimes	52 42.62	58 47.54	12 9.84	122 100.00
No	18 31.03	31 53.45	9 15.52	58 100.00
No answer	1 33.33	2 66.67	0 0.00	3 100.00
Total	81 36.82	109 49.55	30 13.64	220 100.00

A21. Does the man in the household make an income?	Type of Electricity Access			Total
	Grid	Mini Grid	Some or N	
Yes	24 24.24	58 58.59	17 17.17	99 100.00
Sometimes	50 50.51	41 41.41	8 8.08	99 100.00
No	4 28.57	7 50.00	3 21.43	14 100.00
No answer	3 37.50	3 37.50	2 25.00	8 100.00
Total	81 36.82	109 49.55	30 13.64	220 100.00

### 6.2.1.2 Women and Men's income sources: Kenya

A20. Does the woman make any income?	Type of Electricity Access			Total
	Grid	Mini Grid	Some or N	
Yes	29 16.96	58 33.92	84 49.12	171 100.00
Sometimes	1 33.33	2 66.67	0 0.00	3 100.00
No	2 7.41	5 18.52	20 74.07	27 100.00
Total	32 15.92	65 32.34	104 51.74	201 100.00

A21. Does the man in the household make an income?	Type of Electricity Access			Total
	Grid	Mini Grid	Some or N	
Yes	25 17.86	55 39.29	60 42.86	140 100.00
No	2 28.57	1 14.29	4 57.14	7 100.00
No answer	1 25.00	3 75.00	0 0.00	4 100.00
NA	0 0.00	0 0.00	16 100.00	16 100.00
Total	28 16.77	59 35.33	80 47.90	167 100.00

### 6.2.1.3 Women and Men's income sources: India

A20. Does the woman make any income?	Type of Electricity Access			Total
	Grid	Mini Grid	Some or N	
Yes	44	34	20	98
	44.90	34.69	20.41	100.00
Sometimes	21	32	0	53
	39.62	60.38	0.00	100.00
No	22	22	3	47
	46.81	46.81	6.38	100.00
Total	87	88	23	198
	43.94	44.44	11.62	100.00

A21. Does the man in the household make an income?	Type of Electricity Access			Total
	Grid	Mini Grid	Some or N	
Yes	91	89	30	210
	43.33	42.38	14.29	100.00
Sometimes	0	2	1	3
	0.00	66.67	33.33	100.00
No answer	0	0	1	1
	0.00	0.00	100.00	100.00
Total	91	91	32	214
	42.52	42.52	14.95	100.00

### 6.2.2. Descriptive statistics – Income (in USD<sup>10</sup>), Nepal

Average Monthly Income (Women)				
	Percentiles	Smallest		
1%	86.4	86.4		
5%	86.4	211.2		
10%	86.4	220.8	Obs	4
25%	148.8	240	Sum of Wgt.	4
50%	216		Mean	189.6
		Largest	Std. Dev.	69.83409
75%	230.4	86.4		
90%	240	211.2	Variance	4876.8
95%	240	220.8	Skewness	-1.051777
99%	240	240	Kurtosis	2.262015

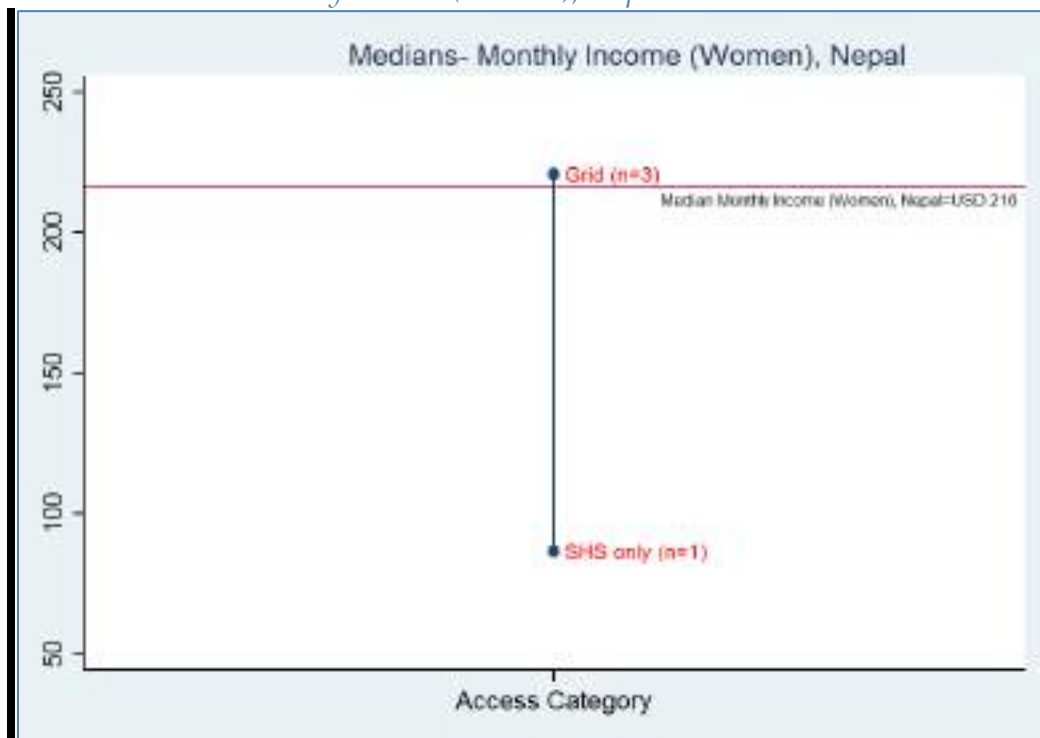
Average Monthly Income (Man)				
	Percentiles	Smallest		
1%	24	24		
5%	24	57.6		
10%	40.8	134.4	Obs	10
25%	134.4	144	Sum of Wgt.	10
50%	158.4		Mean	184.608
		Largest	Std. Dev.	109.174
75%	249.6	240		
90%	339.84	249.6	Variance	11918.96
95%	384	295.68	Skewness	.2959677
99%	384	384	Kurtosis	2.344219

<sup>10</sup> All monetary figures are converted to USD from local currency at the prevailing exchange rate as of 03/2017.

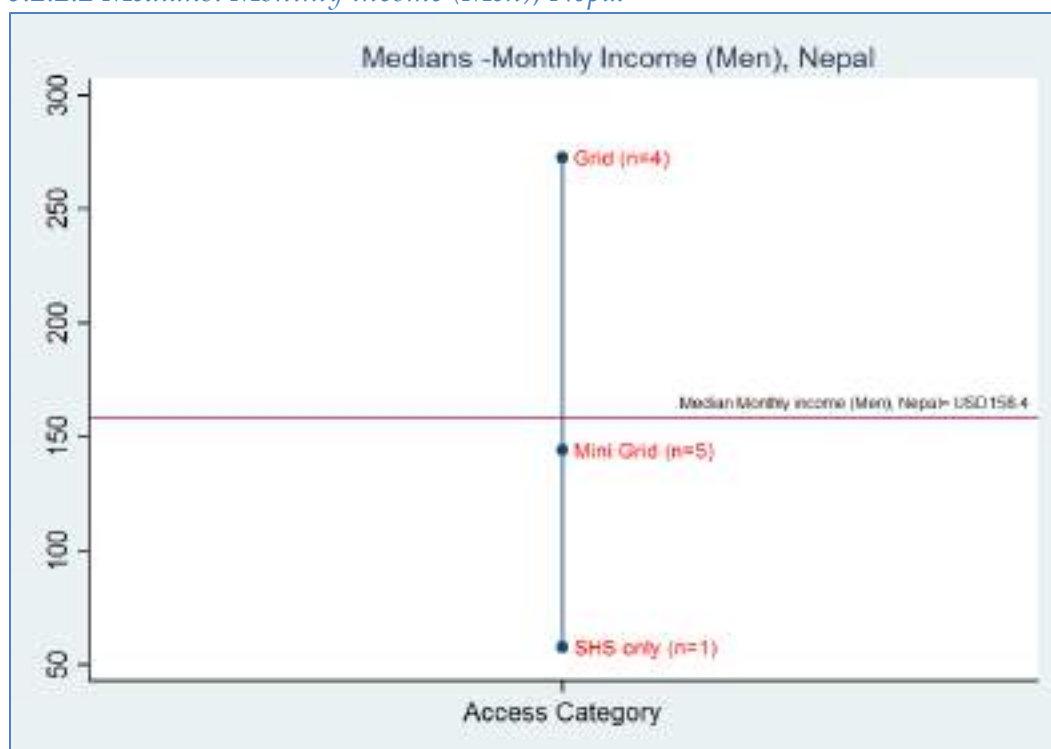
1 Nepalese Rupee=\$0.0096; 1 Kenyan Shilling =\$0.0099; 1 Indian Rupee=\$ 0.015



### 6.2.2.1 Medians: Monthly income (Women), Nepal<sup>11</sup>



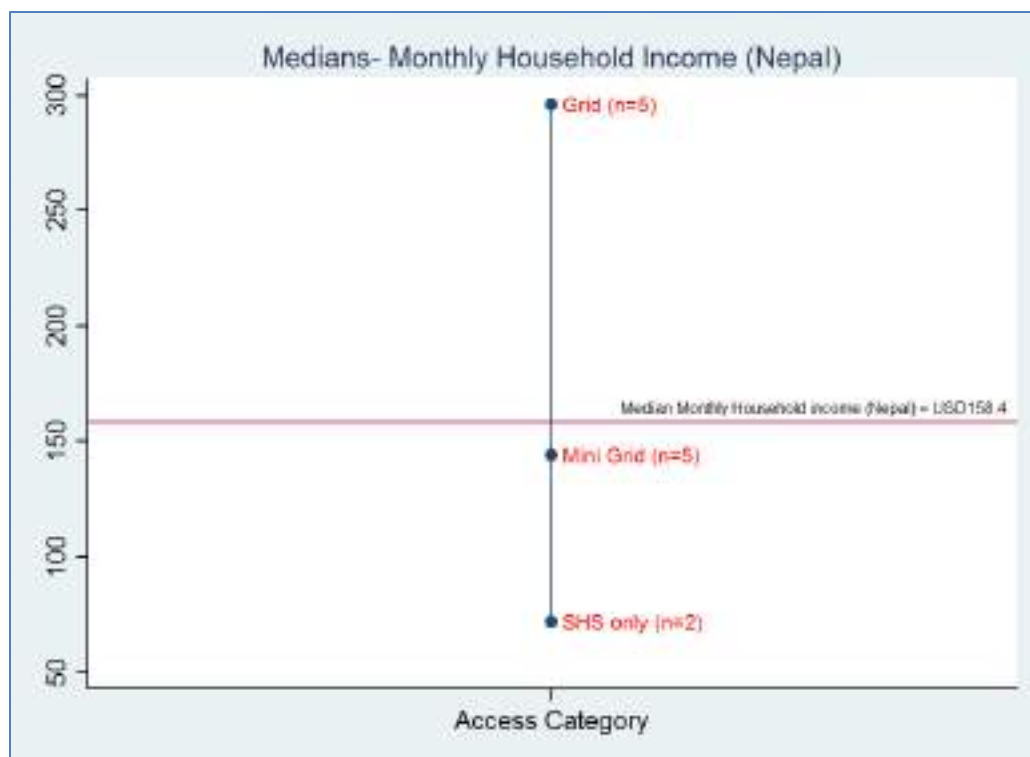
### 6.2.2.2 Medians: Monthly income (Men), Nepal



<sup>11</sup> Median for groups with frequencies less than or equal to 5 is colour coded in red. The Mean and Median figures for these categories may give us confusing results.

### 6.2.2.3 Median Monthly Household income by Access Category

Medians: Monthly income of Households (Man +Women), Nepal



### 6.2.2.4 Income Class (Women) by Access Category, Nepal

Income Class Women	Access Category		Total
	Grid	SHS only	
\$60 to <\$90	0	1	1
	0.00	100.00	100.00
	0.00	100.00	25.00
> \$160	3	0	3
	100.00	0.00	100.00
	100.00	0.00	75.00
Total	3	1	4
	75.00	25.00	100.00
	100.00	100.00	100.00

### 6.2.2.5 Income Class (Men) by Access Category, Nepal

Income class Men	Access Category			Total
	Grid	Mini Grid	SHS only	
\$15 to <\$30	0	1	0	1
	0.00	100.00	0.00	100.00
	0.00	20.00	0.00	10.00
\$30 to <\$60	0	0	1	1
	0.00	0.00	100.00	100.00
	0.00	0.00	100.00	10.00
\$120 to <\$160	1	2	0	3
	33.33	66.67	0.00	100.00
	25.00	40.00	0.00	30.00
> \$160	3	2	0	5
	60.00	40.00	0.00	100.00
	75.00	40.00	0.00	50.00
Total	4	5	1	10
	40.00	50.00	10.00	100.00
	100.00	100.00	100.00	100.00

### 6.2.2.6 Household Income Class by Access Category, Nepal

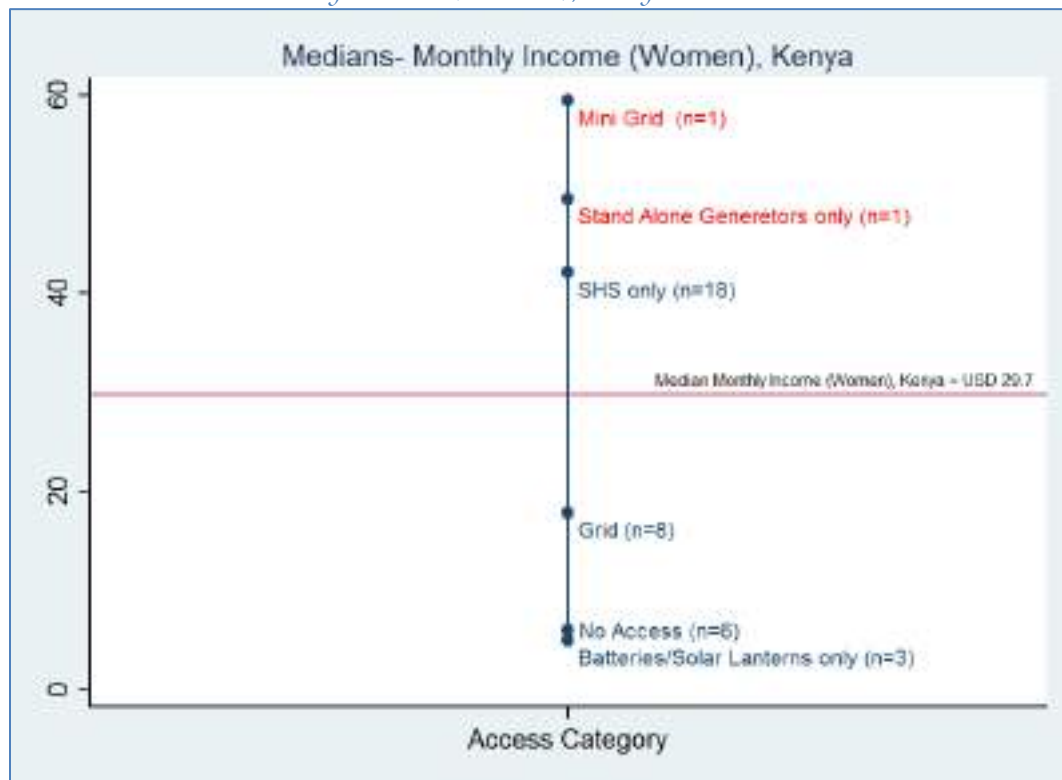
Income Class Households	Access Category			Total
	Grid	Mini Grid	SHS only	
\$15 to <\$30	0	1	0	1
	0.00	20.00	0.00	8.33
\$30 to <\$60	0	0	1	1
	0.00	0.00	50.00	8.33
\$60 to <\$90	0	0	1	1
	0.00	0.00	50.00	8.33
\$120 to <\$160	1	2	0	3
	20.00	40.00	0.00	25.00
\$160 to <\$180	0	1	0	1
	0.00	20.00	0.00	8.33
\$200 to <\$250	1	1	0	2
	20.00	20.00	0.00	16.67
> \$250	3	0	0	3
	60.00	0.00	0.00	25.00
Total	5	5	2	12
	100.00	100.00	100.00	100.00

### 6.2.3 Descriptive statistics- Income (in USD), Kenya

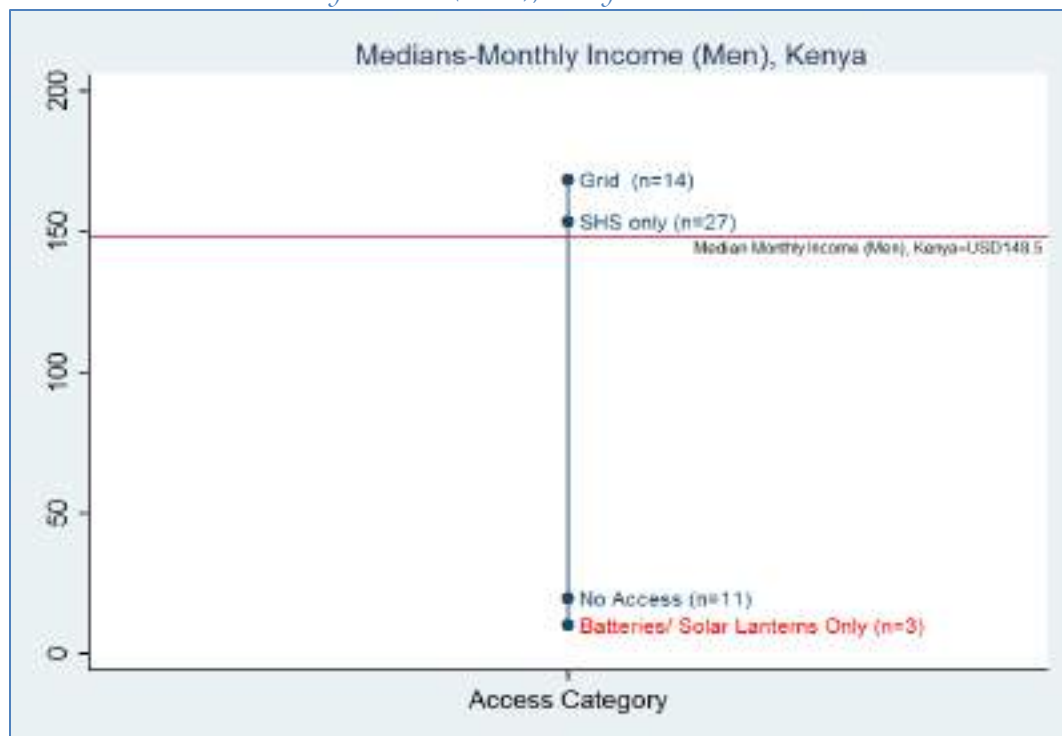
Average Monthly Income (Women)				
	Percentiles	Smallest		
1%	2.97	2.97		
5%	3.96	3.96		
10%	4.95	4.95	Obs	37
25%	9.9	4.95	Sum of Wgt.	37
50%	29.7		Mean	55.46676
		Largest	Std. Dev.	69.03569
75%	69.3	148.5		
90%	148.5	158.4	Variance	4765.926
95%	247.5	247.5	Skewness	1.92826
99%	297	297	Kurtosis	6.44936

Average Monthly Income (Man)				
	Percentiles	Smallest		
1%	3.96	3.96		
5%	5.94	5.94		
10%	9.9	5.94	Obs	44
25%	24.75	9.9	Sum of Wgt.	44
50%	148.5		Mean	255.87
		Largest	Std. Dev.	732.2478
75%	217.8	336.6		
90%	316.8	346.5	Variance	536186.9
95%	346.5	455.4	Skewness	6.185839
99%	4950	4950	Kurtosis	40.19264

### 6.2.3.1 Medians: Monthly income (Women), Kenya

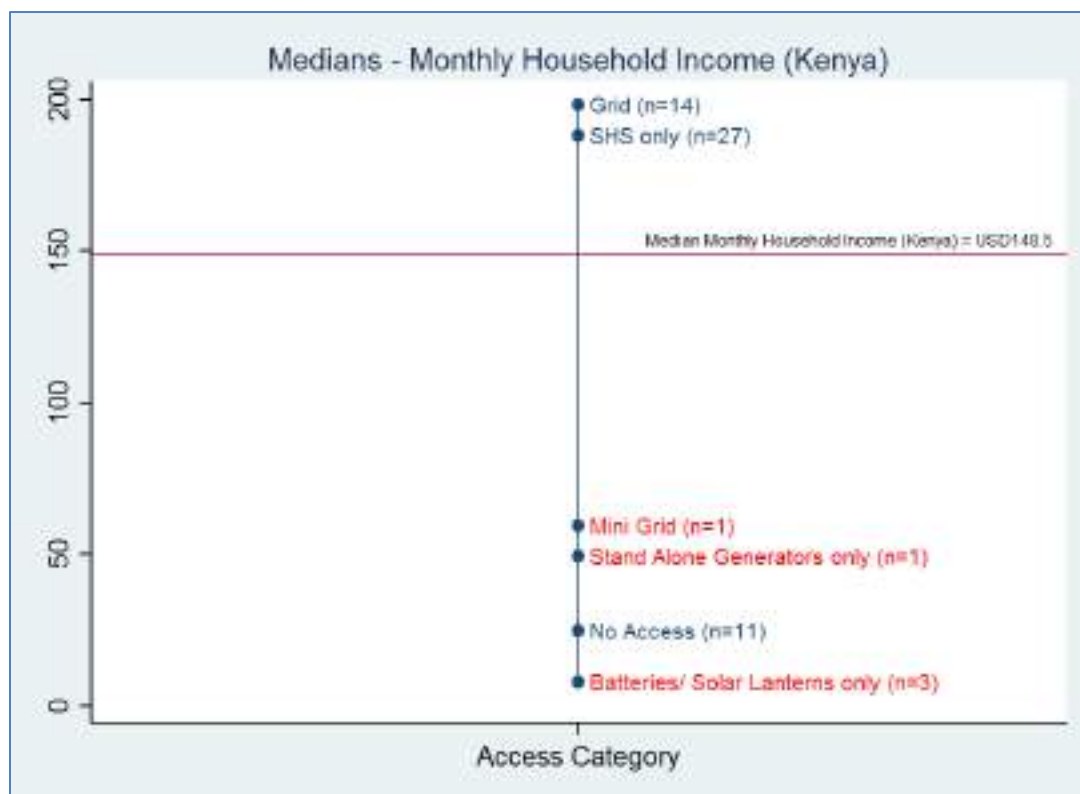


### 6.2.3.2 Medians: Monthly income (Men), Kenya



### 6.2.3.3 Median Monthly Household income by Access Category, Kenya

Medians: Monthly income of Households (Man +Women), Kenya



#### 6.2.3.4 Income Class (Women) by Access Category, Kenya

Income Class Women	Access Category						Total
	Grid	Mini Grid	SHS only	Batteries	Stand alo	No Access	
<\$15	2	0	5	3	0	4	14
	14.29	0.00	35.71	21.43	0.00	28.57	100.00
	25.00	0.00	27.78	100.00	0.00	66.67	37.84
\$15 to <\$30	4	0	3	0	0	0	7
	57.14	0.00	42.86	0.00	0.00	0.00	100.00
	50.00	0.00	16.67	0.00	0.00	0.00	18.92
\$30 to <\$60	0	1	3	0	1	0	5
	0.00	20.00	60.00	0.00	20.00	0.00	100.00
	0.00	100.00	16.67	0.00	100.00	0.00	13.51
\$60 to <\$90	0	0	2	0	0	1	3
	0.00	0.00	66.67	0.00	0.00	33.33	100.00
	0.00	0.00	11.11	0.00	0.00	16.67	8.11
\$90 to <\$120	1	0	2	0	0	0	3
	33.33	0.00	66.67	0.00	0.00	0.00	100.00
	12.50	0.00	11.11	0.00	0.00	0.00	8.11
\$120 to <\$160	0	0	2	0	0	1	3
	0.00	0.00	66.67	0.00	0.00	33.33	100.00
	0.00	0.00	11.11	0.00	0.00	16.67	8.11
> \$160	1	0	1	0	0	0	2
	50.00	0.00	50.00	0.00	0.00	0.00	100.00
	12.50	0.00	5.56	0.00	0.00	0.00	5.41
Total	8	1	18	3	1	6	37
	21.62	2.70	48.65	8.11	2.70	16.22	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

#### 6.2.3.5 Income Class (Men) by Access Category, Kenya

Income class Men	Access Category				Total
	Grid	SHS only	Batteries	No Access	
<\$15	1	2	1	3	7
	14.29	28.57	14.29	42.86	100.00
	8.33	8.33	100.00	42.86	15.91
\$15 to <\$30	1	2	0	2	5
	20.00	40.00	0.00	40.00	100.00
	8.33	8.33	0.00	28.57	11.36
\$90 to <\$120	1	5	0	0	6
	16.67	83.33	0.00	0.00	100.00
	8.33	20.83	0.00	0.00	13.64
\$120 to <\$160	3	4	0	1	8
	37.50	50.00	0.00	12.50	100.00
	25.00	16.67	0.00	14.29	18.18
> \$160	6	11	0	1	18
	33.33	61.11	0.00	5.56	100.00
	50.00	45.83	0.00	14.29	40.91
Total	12	24	1	7	44
	27.27	54.55	2.27	15.91	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.2.3.6 Household Income Class by Access Category, Kenya

Income Class Households	Access Category						Total
	Grid	Mini Grid	SHS only	Batteries	Stand alo	No Access	
<\$15	2	0	1	3	0	5	11
	14.29	0.00	3.70	100.00	0.00	45.45	19.30
\$15 to <\$30	1	0	4	0	0	2	7
	7.14	0.00	14.81	0.00	0.00	18.18	12.28
\$30 to <\$60	1	1	2	0	1	0	5
	7.14	100.00	7.41	0.00	100.00	0.00	8.77
\$60 to <\$90	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	9.09	1.75
\$90 to <\$120	1	0	1	0	0	0	2
	7.14	0.00	3.70	0.00	0.00	0.00	3.51
\$120 to <\$160	1	0	2	0	0	2	5
	7.14	0.00	7.41	0.00	0.00	18.18	8.77
\$160 to <\$180	0	0	2	0	0	0	2
	0.00	0.00	7.41	0.00	0.00	0.00	3.51
\$180 to \$200	2	0	7	0	0	0	9
	14.29	0.00	25.93	0.00	0.00	0.00	15.79
\$200 to <\$250	2	0	2	0	0	0	4
	14.29	0.00	7.41	0.00	0.00	0.00	7.02
> \$250	4	0	6	0	0	1	11
	28.57	0.00	22.22	0.00	0.00	9.09	19.30
Total	14	1	27	3	1	11	57
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

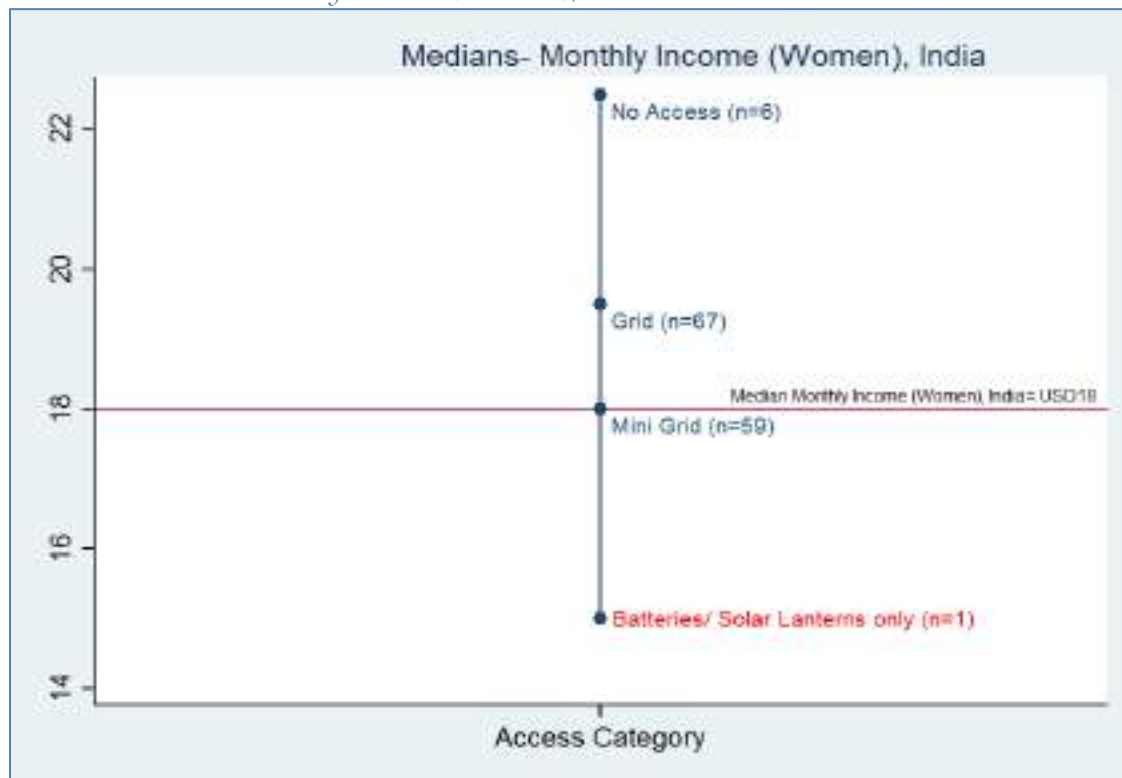


### 6.2.4 Descriptive statistics- Income (in USD), India

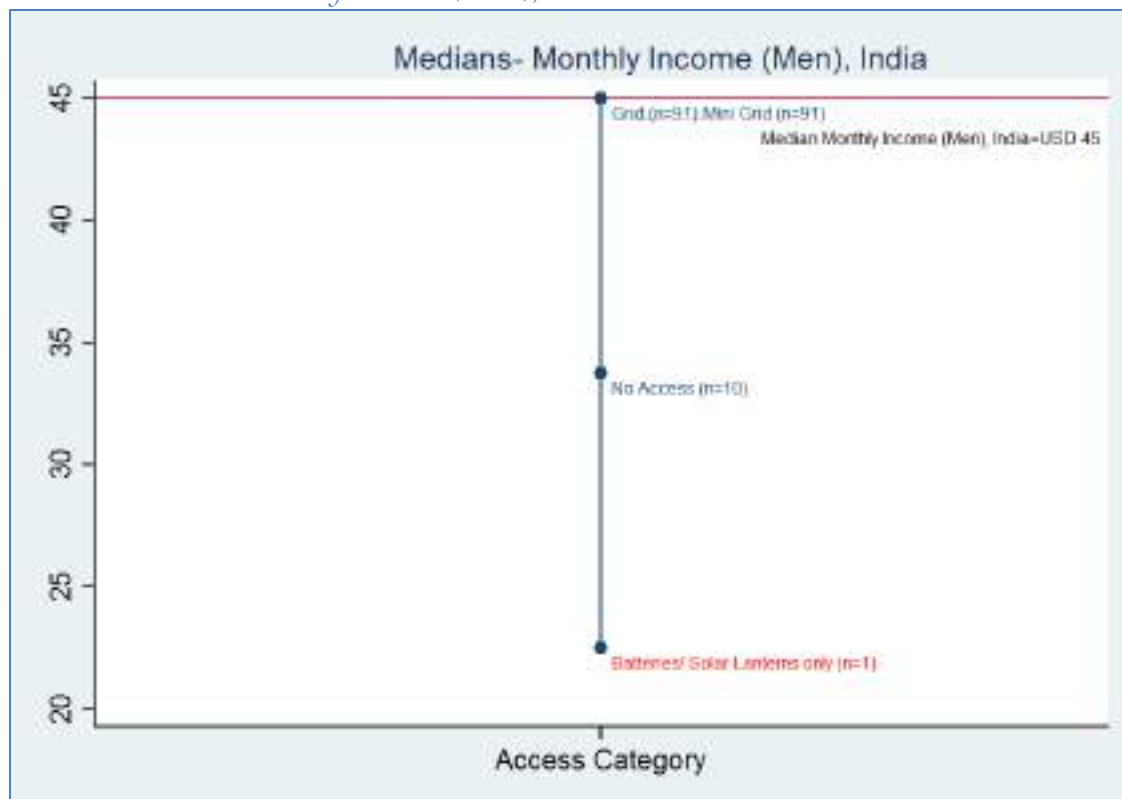
Average Monthly Income (Women)				
	Percentiles	Smallest		
1%	7.5	3		
5%	9	7.5		
10%	10.5	7.5	Obs	133
25%	15	7.5	Sum of Wgt.	133
50%	18		Mean	24.04511
		Largest	Std. Dev.	19.20399
75%	30	60		
90%	37.5	75	Variance	368.7934
95%	45	150	Skewness	4.546663
99%	150	150	Kurtosis	29.0259

Average Monthly Income (Man)				
	Percentiles	Smallest		
1%	9	7.5		
5%	15	9		
10%	22.5	15	Obs	193
25%	37.5	15	Sum of Wgt.	193
50%	45		Mean	58.04145
		Largest	Std. Dev.	52.70128
75%	60	210		
90%	90	225	Variance	2777.425
95%	120	450	Skewness	4.820467
99%	450	450	Kurtosis	33.62962

#### 6.2.4.1 Medians: Monthly income (Women), India

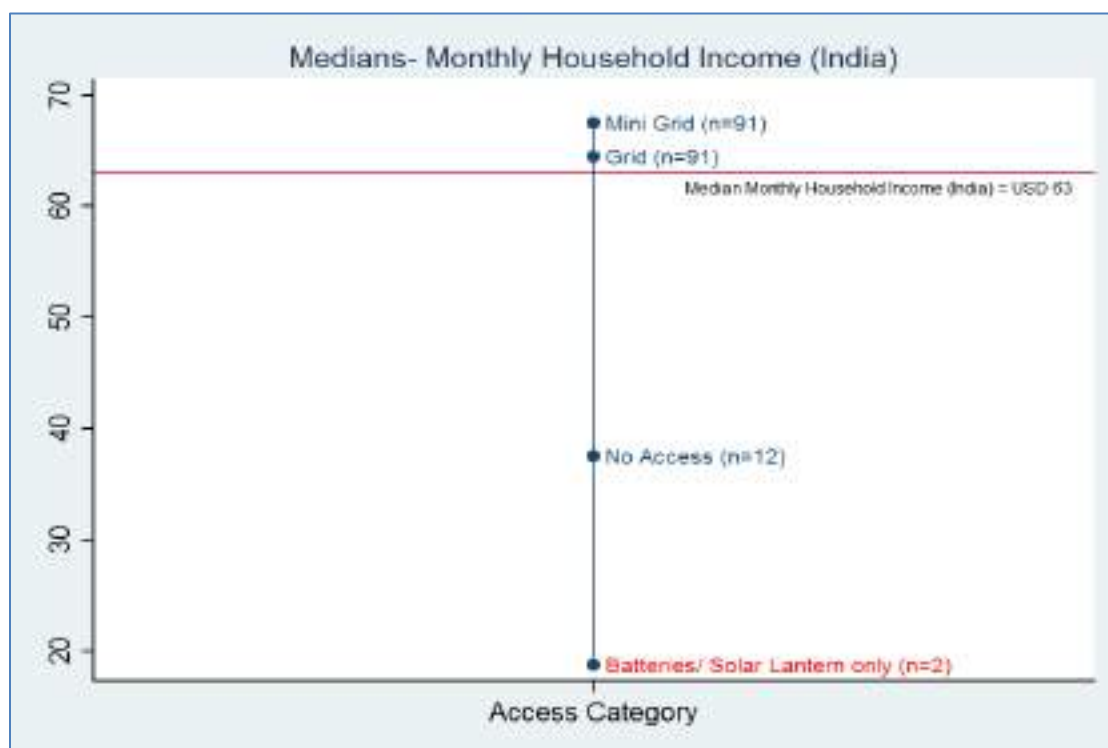


#### 6.2.4.2 Medians: Monthly income (Men), India



### 6.2.4.3 Median Monthly Household income by Access Category

Medians: Monthly income of Households (Man +Women), India



### 6.2.4.4 Income Class (Women) by Access Category, India

Income Class Women	Access Category				Total
	Grid	Mini Grid	Batteries	No Access	
<\$15	9	7	0	2	18
	50.00	38.89	0.00	11.11	100.00
	13.43	11.86	0.00	33.33	13.53
\$15 to <\$30	43	34	1	1	79
	54.43	43.04	1.27	1.27	100.00
	64.18	57.63	100.00	16.67	59.40
\$30 to <\$60	13	15	0	2	30
	43.33	50.00	0.00	6.67	100.00
	19.40	25.42	0.00	33.33	22.56
\$60 to <\$90	2	1	0	1	4
	50.00	25.00	0.00	25.00	100.00
	2.99	1.69	0.00	16.67	3.01
\$120 to <\$160	0	2	0	0	2
	0.00	100.00	0.00	0.00	100.00
	0.00	3.39	0.00	0.00	1.50
Total	67	59	1	6	133
	50.38	44.36	0.75	4.51	100.00
	100.00	100.00	100.00	100.00	100.00

#### 6.2.4.5 Income Class (Men) by Access Category, India

Income class Men	Access Category				Total
	Grid	Mini Grid	Batteries	No Access	
<\$15	0	1	0	1	2
	0.00	50.00	0.00	50.00	100.00
	0.00	1.10	0.00	10.00	1.04
\$15 to <\$30	10	11	1	2	24
	41.67	45.83	4.17	8.33	100.00
	10.99	12.09	100.00	20.00	12.44
\$30 to <\$60	49	40	0	5	94
	52.13	42.55	0.00	5.32	100.00
	53.85	43.96	0.00	50.00	48.70
\$60 to <\$90	27	23	0	1	51
	52.94	45.10	0.00	1.96	100.00
	29.67	25.27	0.00	10.00	26.42
\$90 to <\$120	4	9	0	0	13
	30.77	69.23	0.00	0.00	100.00
	4.40	9.89	0.00	0.00	6.74
\$120 to <\$160	0	1	0	0	1
	0.00	100.00	0.00	0.00	100.00
	0.00	1.10	0.00	0.00	0.52
> \$160	1	6	0	1	8
	12.50	75.00	0.00	12.50	100.00
	1.10	6.59	0.00	10.00	4.15
Total	91	91	1	10	193
	47.15	47.15	0.52	5.18	100.00
	100.00	100.00	100.00	100.00	100.00

#### 6.2.4.6 Household Income Class by Access Category, India

Income Class Households	Access Category				Total
	Grid	Mini Grid	Batteries	No Access	
<\$15	0 0.00	1 1.10	0 0.00	2 16.67	3 1.53
\$15 to <\$30	3 3.30	2 2.20	2 100.00	3 25.00	10 5.10
\$30 to <\$60	29 31.87	33 36.26	0 0.00	2 16.67	64 32.65
\$60 to <\$90	47 51.65	31 34.07	0 0.00	3 25.00	81 41.33
\$90 to <\$120	10 10.99	17 18.68	0 0.00	1 8.33	28 14.29
\$120 to <\$160	1 1.10	1 1.10	0 0.00	0 0.00	2 1.02
\$160 to <\$180	0 0.00	0 0.00	0 0.00	1 8.33	1 0.51
\$180 to \$200	0 0.00	1 1.10	0 0.00	0 0.00	1 0.51
\$200 to <\$250	1 1.10	1 1.10	0 0.00	0 0.00	2 1.02
> \$250	0 0.00	4 4.40	0 0.00	0 0.00	4 2.04
Total	91 100.00	91 100.00	2 100.00	12 100.00	196 100.00

## 6.2.5 Average Monthly Income by Access Category, Gender

### 6.2.5.1 Average Monthly Income (in USD) by Access Category: Nepal

-> country = Nepal, accesscategory = Grid

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	4	268.32	99.89	144.00	384.00
Average Monthly Income (Women)	3	224.00	14.66	211.20	240.00

-> country = Nepal, accesscategory = Mini Grid/ Micro Grid

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	5	143.04	78.32	24.00	240.00
Average Monthly Income (Women)	0				

-> country = Nepal, accesscategory = SHS only

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	1	57.60	.	57.60	57.60
Average Monthly Income (Women)	1	86.40	.	86.40	86.40

-> country = Nepal, accesscategory = Batteries/ Solar Lanterns only

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	0				
Average Monthly Income (Women)	0				

-> country = Nepal, accesscategory = No Access

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	0				
Average Monthly Income (Women)	0				

### 6.2.5.2 Average Monthly Income (in USD) by Access Category: Kenya

-> country = Kenya, accesscategory = Grid

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	12	168.30	91.70	11.88	316.80
Average Monthly Income (Women)	8	58.04	84.57	11.88	247.50

```
-> country = Kenya, accesscategory = Mini Grid/ Micro Grid
```

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	0				
Average Monthly Income (Women)	1	59.40	.	59.40	59.40

```
-> country = Kenya, accesscategory = SHS only
```

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	24	365.14	982.79	5.94	4950.00
Average Monthly Income (Women)	18	67.49	73.52	6.93	297.00

```
-> country = Kenya, accesscategory = Batteries/ Solar Lanterns only
```

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	1	9.90	.	9.90	9.90
Average Monthly Income (Women)	3	5.94	1.71	4.95	7.92

```
-> country = Kenya, accesscategory = Stand alone generators only
```

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	0				
Average Monthly Income (Women)	1	49.50	.	49.50	49.50

```
-> country = Kenya, accesscategory = No Access
```

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	7	66.47	98.58	3.96	257.40
Average Monthly Income (Women)	6	41.08	60.49	2.97	148.50

### 6.2.5.3 Average Monthly Income (in USD) by Access Category: India

```
-> country = India, accesscategory = Grid
```

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	91	50.84	26.60	15.00	225.00
Average Monthly Income (Women)	67	21.90	11.13	3.00	75.00

```
-> country = India, accesscategory = Mini Grid/ Micro Grid
```

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	91	66.91	69.36	9.00	450.00
Average Monthly Income (Women)	59	26.34	25.53	7.50	150.00

```
-> country = India, accesscategory = Batteries/ Solar Lanterns only
```

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	1	22.50	.	22.50	22.50
Average Monthly Income (Women)	1	15.00	.	15.00	15.00

```
-> country = India, accesscategory = No Access
```

Variable	N	Mean	SD	Min	Max
Average Monthly Income (Man)	10	46.50	49.60	7.50	180.00
Average Monthly Income (Women)	6	27.00	19.79	7.50	60.00



## 6.2.6 Income source by Gender

### 6.2.6.1 Income source Nepal, women

variable	values								Total
	Employed	Casual la	Agricultu	Business/	Small sho	Produce/s	Remitt-an	Other	
A20. What are her sou	4	39	73	1	6	32	0	4	159
	2.52	24.53	45.91	0.63	3.77	20.13	0.00	2.52	100.00
	100.00	100.00	77.66	100.00	66.67	28.83	0.00	25.00	56.79
A20. What are her sou	0	0	21	0	3	64	1	8	97
	0.00	0.00	21.65	0.00	3.09	65.98	1.03	8.25	100.00
	0.00	0.00	22.34	0.00	33.33	57.66	16.67	50.00	34.64
A20. What are her sou	0	0	0	0	0	15	4	3	22
	0.00	0.00	0.00	0.00	0.00	68.18	18.18	13.64	100.00
	0.00	0.00	0.00	0.00	0.00	13.51	66.67	18.75	7.86
A20. What are her sou	0	0	0	0	0	0	1	1	2
	0.00	0.00	0.00	0.00	0.00	0.00	50.00	50.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	16.67	6.25	0.71
Total	4	39	94	1	9	111	6	16	280
	1.43	13.93	33.57	0.36	3.21	39.64	2.14	5.71	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6. 2.6.2. Income source Kenya, women

variable	values									Total
	Employed	Casual la	Agricultu	Business/	Small sho	Produce/s	Remitt-an	Fishing/F	Other	
A20. What are her sou	9	4	4	22	23	9	4	12	7	94
	9.57	4.26	4.26	23.40	24.47	9.57	4.26	12.77	7.45	100.00
	100.00	19.05	36.36	81.48	50.00	36.00	23.53	57.14	63.64	50.00
A20. What are her sou	0	17	0	0	0	0	0	5	0	22
	0.00	77.27	0.00	0.00	0.00	0.00	0.00	22.73	0.00	100.00
	0.00	80.95	0.00	0.00	0.00	0.00	0.00	23.81	0.00	11.70
A20. What are her sou	0	0	7	0	0	0	0	0	0	7
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	63.64	0.00	0.00	0.00	0.00	0.00	0.00	3.72
A20. What are her sou	0	0	0	5	0	0	0	0	0	5
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	18.52	0.00	0.00	0.00	0.00	0.00	2.66
A20. What are her sou	0	0	0	0	23	0	0	0	0	23
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	12.23
A20. What are her sou	0	0	0	0	0	16	0	0	0	16
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	64.00	0.00	0.00	0.00	8.51
A20. What are her sou	0	0	0	0	0	0	13	0	0	13
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	76.47	0.00	0.00	6.91
A20. What are her sou	0	0	0	0	0	0	0	4	0	4
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.05	0.00	2.13
A20. What are her sou	0	0	0	0	0	0	0	0	4	4
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.36	2.13
Total	9	21	11	27	46	25	17	21	11	188
	4.79	11.17	5.85	14.36	24.47	13.30	9.04	11.17	5.85	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.2.6.3. Income source India, women

variable	values							Total
	Employed	Casual la	Agricultu	Business/	Small sho	Remitt-an	Other	
A20. What are her sou	7	0	0	0	0	0	0	7
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	4.64
A20. What are her sou	0	97	0	0	0	0	0	97
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	64.24
A20. What are her sou	0	0	39	0	0	0	0	39
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	25.83
A20. What are her sou	0	0	0	1	0	0	0	1
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.66
A20. What are her sou	0	0	0	0	2	0	0	2
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	1.32
A20. What are her sou	0	0	0	0	0	2	0	2
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	1.32
A20. What are her sou	0	0	0	0	0	0	3	3
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	1.99
Total	7	97	39	1	2	2	3	151
	4.64	64.24	25.83	0.66	1.32	1.32	1.99	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

#### 6.2.6.4. Income source Nepal, men

variable	values									Total
	Employed	Casual la	Agricultu	Business/	Small sho	Produce/s	Remitt-an	Fishing/F	Other	
A21. What are his sou	18	0	0	0	0	0	0	0	0	18
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.14
A21. What are his sou	0	144	0	0	0	0	0	0	0	144
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.14
A21. What are his sou	0	0	62	0	0	0	0	0	0	62
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	24.60
A21. What are his sou	0	0	0	9	0	0	0	0	0	9
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	3.57
A21. What are his sou	0	0	0	0	9	0	0	0	0	9
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	3.57
A21. What are his sou	0	0	0	0	0	2	0	0	0	2
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.79
A21. What are his sou	0	0	0	0	0	0	1	0	0	1
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.40
A21. What are his sou	0	0	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.40
A21. What are his sou	0	0	0	0	0	0	0	0	6	6
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	2.38
Total	18	144	62	9	9	2	1	1	6	252
	7.14	57.14	24.60	3.57	3.57	0.79	0.40	0.40	2.38	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.2.6.5. Income source Kenya, men

variable	values								Total
	Employed	Casual la	Agricultu	Business/	Small sho	Remitt-an	Fishing/F	Other	
A21. What are his sou	31	9	5	10	3	1	22	5	86
	36.05	10.47	5.81	11.63	3.49	1.16	25.58	5.81	100.00
	100.00	31.03	27.78	76.92	100.00	20.00	52.38	71.43	58.11
A21. What are his sou	0	20	1	0	0	0	4	0	25
	0.00	80.00	4.00	0.00	0.00	0.00	16.00	0.00	100.00
	0.00	68.97	5.56	0.00	0.00	0.00	9.52	0.00	16.89
A21. What are his sou	0	0	12	0	0	0	0	0	12
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	66.67	0.00	0.00	0.00	0.00	0.00	8.11
A21. What are his sou	0	0	0	3	0	0	0	0	3
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	23.08	0.00	0.00	0.00	0.00	2.03
A21. What are his sou	0	0	0	0	0	4	0	0	4
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	80.00	0.00	0.00	2.70
A21. What are his sou	0	0	0	0	0	0	16	0	16
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	38.10	0.00	10.81
A21. What are his sou	0	0	0	0	0	0	0	2	2
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.57	1.35
Total	31	29	18	13	3	5	42	7	148
	20.95	19.59	12.16	8.78	2.03	3.38	28.38	4.73	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.2.6.6. Income source India, men

variable	Employed	Casual la	Agricultu	Business/	Small sho	Produce/s	Remitt-an	Fishing/F	Other	Total
A21. What are his sou	18	0	0	0	0	0	0	0	0	18
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.14
A21. What are his sou	0	144	0	0	0	0	0	0	0	144
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.14
A21. What are his sou	0	0	62	0	0	0	0	0	0	62
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	24.60
A21. What are his sou	0	0	0	9	0	0	0	0	0	9
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	3.57
A21. What are his sou	0	0	0	0	9	0	0	0	0	9
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	3.57
A21. What are his sou	0	0	0	0	0	2	0	0	0	2
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.79
A21. What are his sou	0	0	0	0	0	0	1	0	0	1
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.40
A21. What are his sou	0	0	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.40
A21. What are his sou	0	0	0	0	0	0	0	0	6	6
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	2.38
Total	18	144	62	9	9	2	1	1	6	252
	7.14	57.14	24.60	3.57	3.57	0.79	0.40	0.40	2.38	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

## 6.2.7 Income source by access categories and gender

### 6.2.7.1 Income source Grid: Nepal

#### Women

variable	values							Total
	Employed	Casual la	Agricultu	Small sho	Produce/s	Remitt-an	Other	
A20. What are her sou	3	11	38	1	8	0	1	62
	4.84	17.74	61.29	1.61	12.90	0.00	1.61	100.00
	100.00	100.00	86.36	100.00	17.78	0.00	16.67	55.86
A20. What are her sou	0	0	6	0	33	0	2	41
	0.00	0.00	14.63	0.00	80.49	0.00	4.88	100.00
	0.00	0.00	13.64	0.00	73.33	0.00	33.33	36.94
A20. What are her sou	0	0	0	0	4	1	2	7
	0.00	0.00	0.00	0.00	57.14	14.29	28.57	100.00
	0.00	0.00	0.00	0.00	8.89	100.00	33.33	6.31
A20. What are her sou	0	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	16.67	0.90
Total	3	11	44	1	45	1	6	111
	2.70	9.91	39.64	0.90	40.54	0.90	5.41	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

#### Men

variable	values							Total
	Employed	Casual la	Agricultu	Business/	Small sho	Produce/s	Remitt-an	
A21. What are his sou	4	28	33	1	1	4	3	81
	4.94	34.57	40.74	1.23	1.23	4.94	3.70	100.00
	100.00	100.00	73.33	100.00	100.00	8.16	60.00	54.36
A21. What are his sou	0	0	12	0	0	34	0	50
	0.00	0.00	24.00	0.00	0.00	68.00	0.00	100.00
	0.00	0.00	26.67	0.00	0.00	69.39	0.00	33.56
A21. What are his sou	0	0	0	0	0	11	2	18
	0.00	0.00	0.00	0.00	0.00	61.11	11.11	100.00
	0.00	0.00	0.00	0.00	0.00	22.45	40.00	12.08
Total	4	28	45	1	1	49	5	149
	2.68	18.79	30.20	0.67	0.67	32.89	3.36	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.2.7.2 Income source, Mini Grid/ Micro Grid: Nepal

#### Women

variable	values							Total
	Casual la	Agricultu	Business/	Small sho	Produce/s	Remitt-an	Other	
A20. What are her sou	16	27	1	5	18	0	2	69
	23.19	39.13	1.45	7.25	26.09	0.00	2.90	100.00
	100.00	75.00	100.00	62.50	32.73	0.00	28.57	53.91
A20. What are her sou	0	9	0	3	28	1	4	45
	0.00	20.00	0.00	6.67	62.22	2.22	8.89	100.00
	0.00	25.00	0.00	37.50	50.91	20.00	57.14	35.16
A20. What are her sou	0	0	0	0	9	3	1	13
	0.00	0.00	0.00	0.00	69.23	23.08	7.69	100.00
	0.00	0.00	0.00	0.00	16.36	60.00	14.29	10.16
A20. What are her sou	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.78
Total	16	36	1	8	55	5	7	128
	12.50	28.13	0.78	6.25	42.97	3.91	5.47	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

#### Men

variable	values								Total
	Employed	Casual la	Agricultu	Business/	Small sho	Produce/s	Remitt-an	Fishing/F	
A21. What are his sou	5	48	19	1	5	6	3	1	96
	5.21	50.00	19.79	1.04	5.21	6.25	3.13	1.04	100.00
	100.00	100.00	44.19	100.00	45.45	10.34	21.43	100.00	50.00
A21. What are his sou	0	0	24	0	2	29	7	0	64
	0.00	0.00	37.50	0.00	3.13	45.31	10.94	0.00	100.00
	0.00	0.00	55.81	0.00	18.18	50.00	50.00	0.00	33.33
A21. What are his sou	0	0	0	0	4	19	4	0	28
	0.00	0.00	0.00	0.00	14.29	67.86	14.29	0.00	100.00
	0.00	0.00	0.00	0.00	36.36	32.76	28.57	0.00	14.58
A21. What are his sou	0	0	0	0	0	4	0	0	4
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	6.90	0.00	0.00	2.08
Total	5	48	43	1	11	58	14	1	192
	2.60	25.00	22.40	0.52	5.73	30.21	7.29	0.52	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00



### 6.2.7.3 Income source, SHS only: Nepal

#### Women

variable	values				Total
	Employed	Casual la	Agricultu	Produce/s	
A20. What are her sou	1	1	4	1	7
	14.29	14.29	57.14	14.29	100.00
	100.00	100.00	80.00	25.00	63.64
A20. What are her sou	0	0	1	2	3
	0.00	0.00	33.33	66.67	100.00
	0.00	0.00	20.00	50.00	27.27
A20. What are her sou	0	0	0	1	1
	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	25.00	9.09
Total	1	1	5	4	11
	9.09	9.09	45.45	36.36	100.00
	100.00	100.00	100.00	100.00	100.00

#### Men

variable	values							Total
	Employed	Casual la	Agricultu	Business/	Produce/s	Remitt-an	Other	
A21. What are his sou	1	6	2	1	1	1	1	13
	7.69	46.15	15.38	7.69	7.69	7.69	7.69	100.00
	100.00	100.00	50.00	100.00	12.50	50.00	100.00	56.52
A21. What are his sou	0	0	2	0	6	1	0	9
	0.00	0.00	22.22	0.00	66.67	11.11	0.00	100.00
	0.00	0.00	50.00	0.00	75.00	50.00	0.00	39.13
A21. What are his sou	0	0	0	0	1	0	0	1
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	12.50	0.00	0.00	4.35
Total	1	6	4	1	8	2	1	23
	4.35	26.09	17.39	4.35	34.78	8.70	4.35	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

#### 6.2.7.4 Income source, Batteries/ Solar Lanterns only: Nepal

##### Women

variable	values				Total
	Casual la	Agricultu	Produce/s	Other	
A20. What are her sou	7	3	5	1	16
	43.75	18.75	31.25	6.25	100.00
	100.00	42.86	71.43	33.33	66.67
A20. What are her sou	0	4	1	2	7
	0.00	57.14	14.29	28.57	100.00
	0.00	57.14	14.29	66.67	29.17
A20. What are her sou	0	0	1	0	1
	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	14.29	0.00	4.17
Total	7	7	7	3	24
	29.17	29.17	29.17	12.50	100.00
	100.00	100.00	100.00	100.00	100.00

##### Men

variable	Casual la	Agricultu	Produce/s	Remitt-an	Other	Total
A21. What are his sou	18	0	4	1	1	24
	75.00	0.00	16.67	4.17	4.17	100.00
	100.00	0.00	44.44	50.00	33.33	63.16
A21. What are his sou	0	6	4	1	2	13
	0.00	46.15	30.77	7.69	15.38	100.00
	0.00	100.00	44.44	50.00	66.67	34.21
A21. What are his sou	0	0	1	0	0	1
	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	11.11	0.00	0.00	2.63
Total	18	6	9	2	3	38
	47.37	15.79	23.68	5.26	7.89	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.2.7.5 Income source, No Access: Nepal

#### Women

variable	values		Total
	Casual la	Agricultu	
A20. What are her sou	4	1	5
	80.00	20.00	100.00
	100.00	50.00	83.33
A20. What are her sou	0	1	1
	0.00	100.00	100.00
	0.00	50.00	16.67
Total	4	2	6
	66.67	33.33	100.00
	100.00	100.00	100.00

#### Men

variable	values				Total
	Casual la	Agricultu	Produce/s	Other	
A21. What are his sou	4	1	1	0	6
	66.67	16.67	16.67	0.00	100.00
	100.00	50.00	100.00	0.00	75.00
A21. What are his sou	0	1	0	1	2
	0.00	50.00	0.00	50.00	100.00
	0.00	50.00	0.00	100.00	25.00
Total	4	2	1	1	8
	50.00	25.00	12.50	12.50	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.2.7.6 Income source, Grid: Kenya

#### Women

variable	Employed	Casual la	Agricultu	Business/	Small sho	Produce/s	Remitt-an	Fishing/F	Other	Total
A20. What are her sou	4	2	2	9	4	2	3	1	3	30
	13.33	6.67	6.67	30.00	13.33	6.67	10.00	3.33	10.00	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	50.00	100.00	96.77
A20. What are her sou	0	0	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	3.23
Total	4	2	2	9	4	2	3	2	3	31
	12.90	6.45	6.45	29.03	12.90	6.45	9.68	6.45	9.68	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

#### Men

variable	Employed	Business/	Small sho	Remitt-an	Fishing/F	Other	Total
A21. What are his sou	12	4	1	1	3	4	25
	48.00	16.00	4.00	4.00	12.00	16.00	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Total	12	4	1	1	3	4	25
	48.00	16.00	4.00	4.00	12.00	16.00	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.2.7.7 Income source, Mini Grid/ Micro Grid: Kenya

#### Women

variable	values				Total
	Small sho	Remitt-an	Fishing/F	Other	
A20. What are her sou	2	1	1	1	5
	40.00	20.00	20.00	20.00	100.00
	100.00	100.00	100.00	100.00	100.00
Total	2	1	1	1	5
	40.00	20.00	20.00	20.00	100.00
	100.00	100.00	100.00	100.00	100.00

#### Men

variable	values			Total
	Business/	Small sho	Fishing/F	
A21. What are his sou	1	1	4	6
	16.67	16.67	66.67	100.00
	100.00	100.00	100.00	100.00
Total	1	1	4	6
	16.67	16.67	66.67	100.00
	100.00	100.00	100.00	100.00

### 6.2.7.8 Income source, SHS only: Kenya

#### Women

variable	values								Total
	Employed	Casual la	Agricultu	Business/	Small sho	Produce/s	Fishing/F	Other	
A20. What are her sou	2	2	2	12	16	6	9	3	52
	3.85	3.85	3.85	23.08	30.77	11.54	17.31	5.77	100.00
	100.00	100.00	100.00	100.00	94.12	85.71	75.00	100.00	91.23
A20. What are her sou	0	0	0	0	0	0	3	0	3
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	5.26
A20. What are her sou	0	0	0	0	1	0	0	0	1
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	5.88	0.00	0.00	0.00	1.75
A20. What are her sou	0	0	0	0	0	1	0	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	14.29	0.00	0.00	1.75
Total	2	2	2	12	17	7	12	3	57
	3.51	3.51	3.51	21.05	29.82	12.28	21.05	5.26	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

#### Men

variable	values						Total
	Employed	Casual la	Agricultu	Business/	Fishing/F	Other	
A21. What are his sou	14	8	4	5	13	1	45
	31.11	17.78	8.89	11.11	28.89	2.22	100.00
	100.00	80.00	80.00	100.00	81.25	100.00	88.24
A21. What are his sou	0	2	1	0	3	0	6
	0.00	33.33	16.67	0.00	50.00	0.00	100.00
	0.00	20.00	20.00	0.00	18.75	0.00	11.76
Total	14	10	5	5	16	1	51
	27.45	19.61	9.80	9.80	31.37	1.96	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.2.7.9 Income source, Batteries/ Solar Lanterns only: Kenya

#### Women

variable	values				Total
	Casual la	Business/	Small sho	Produce/s	
A20. What are her sou	0	0	1	1	2
	0.00	0.00	50.00	50.00	100.00
	0.00	0.00	100.00	50.00	40.00
A20. What are her sou	1	0	0	0	1
	100.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	20.00
A20. What are her sou	0	1	0	0	1
	0.00	100.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	20.00
A20. What are her sou	0	0	0	1	1
	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	50.00	20.00
Total	1	1	1	2	5
	20.00	20.00	20.00	40.00	100.00
	100.00	100.00	100.00	100.00	100.00

#### Men

variable	values				Total
	Casual la	Business/	Small sho	Produce/s	
A20. What are her sou	0	0	1	1	2
	0.00	0.00	50.00	50.00	100.00
	0.00	0.00	100.00	50.00	40.00
A20. What are her sou	1	0	0	0	1
	100.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	20.00
A20. What are her sou	0	1	0	0	1
	0.00	100.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	20.00
A20. What are her sou	0	0	0	1	1
	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	50.00	20.00
Total	1	1	1	2	5
	20.00	20.00	20.00	40.00	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.2.7.10 Income source, Standalone Generators: Kenya

#### Women

variable	values			Total
	Employed	Business/ Fishing/F		
A20. What are her sou	1	1	1	3
	33.33	33.33	33.33	100.00
	100.00	100.00	50.00	75.00
A20. What are her sou	0	0	1	1
	0.00	0.00	100.00	100.00
	0.00	0.00	50.00	25.00
Total	1	1	2	4
	25.00	25.00	50.00	100.00
	100.00	100.00	100.00	100.00

#### Men

variable	values			Total
	Employed	Agricultu	Fishing/F	
A21. What are his sou	2	1	1	4
	50.00	25.00	25.00	100.00
	100.00	100.00	50.00	80.00
A21. What are his sou	0	0	1	1
	0.00	0.00	100.00	100.00
	0.00	0.00	50.00	20.00
Total	2	1	2	5
	40.00	20.00	40.00	100.00
	100.00	100.00	100.00	100.00



### 6.2.7.11 Income source Women, No Access: Kenya

#### Women

variable	values									Total
	Employed	Casual la	Agricultu	Business/	Small sho	Produce/s	Remitt-an	Fishing/F	Other	
A20. What are her sou	2	0	0	0	0	0	0	0	0	2
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33
A20. What are her sou	0	16	0	0	0	0	0	0	0	16
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.60
A20. What are her sou	0	0	7	0	0	0	0	0	0	7
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	8.14
A20. What are her sou	0	0	0	4	0	0	0	0	0	4
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	4.65
A20. What are her sou	0	0	0	0	22	0	0	0	0	22
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	25.58
A20. What are her sou	0	0	0	0	0	14	0	0	0	14
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	16.28
A20. What are her sou	0	0	0	0	0	0	13	0	0	13
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	15.12
A20. What are her sou	0	0	0	0	0	0	0	4	0	4
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	4.65
A20. What are her sou	0	0	0	0	0	0	0	0	4	4
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	4.65
Total	2	16	7	4	22	14	13	4	4	86
	2.33	18.60	8.14	4.65	25.58	16.28	15.12	4.65	4.65	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

*Men- No Access, Kenya*

variable	values							Total
	Employed	Casual la	Agricultu	Business/	Remitt-an	Fishing/F	Other	
A21. What are his sou	3	1	0	0	0	0	0	4
	75.00	25.00	0.00	0.00	0.00	0.00	0.00	100.00
	100.00	5.56	0.00	0.00	0.00	0.00	0.00	7.14
A21. What are his sou	0	17	0	0	0	0	0	17
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	94.44	0.00	0.00	0.00	0.00	0.00	30.36
A21. What are his sou	0	0	12	0	0	0	0	12
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	21.43
A21. What are his sou	0	0	0	2	0	0	0	2
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	3.57
A21. What are his sou	0	0	0	0	4	0	0	4
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	7.14
A21. What are his sou	0	0	0	0	0	15	0	15
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	26.79
A21. What are his sou	0	0	0	0	0	0	2	2
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	3.57
Total	3	18	12	2	4	15	2	56
	5.36	32.14	21.43	3.57	7.14	26.79	3.57	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.2.7.12 Income source, Grid: India

#### Women

variable	values					Total
	Employed	Casual la	Agricultu	Remitt-an	Other	
A20. What are her sou	3	0	0	0	0	3
	100.00	0.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	0.00	4.62
A20. What are her sou	0	45	0	0	0	45
	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	0.00	69.23
A20. What are her sou	0	0	14	0	0	14
	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.00	21.54
A20. What are her sou	0	0	0	2	0	2
	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	100.00	0.00	3.08
A20. What are her sou	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	100.00	1.54
Total	3	45	14	2	1	65
	4.62	69.23	21.54	3.08	1.54	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### Men- Grid, India

variable	Employed	Casual la	Agricultu	Business/	Small sho	Produce/s	Other	Total
A21. What are his sou	3	0	0	0	0	0	0	3
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80
A21. What are his sou	0	74	0	0	0	0	0	74
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	69.16
A21. What are his sou	0	0	21	0	0	0	0	21
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	19.63
A21. What are his sou	0	0	0	3	0	0	0	3
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	2.80
A21. What are his sou	0	0	0	0	4	0	0	4
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	3.74
A21. What are his sou	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.93
A21. What are his sou	0	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.93
Total	3	74	21	3	4	1	1	107
	2.80	69.16	19.63	2.80	3.74	0.93	0.93	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.2.7.13 Income source, Mini Grid/ Micro Grid: India

#### Women

variable	Employed	Casual la	Agricultu	Business/	Small sho	Other	Total
A20. What are her sou	2	0	0	0	0	0	2
	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	0.00	0.00	3.45
A20. What are her sou	0	35	0	0	0	0	35
	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	0.00	0.00	60.34
A20. What are her sou	0	0	16	0	0	0	16
	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.00	0.00	27.59
A20. What are her sou	0	0	0	1	0	0	1
	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	100.00	0.00	0.00	1.72
A20. What are her sou	0	0	0	0	2	0	2
	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	100.00	0.00	3.45
A20. What are her sou	0	0	0	0	0	2	2
	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	100.00	3.45
Total	2	35	16	1	2	2	58
	3.45	60.34	27.59	1.72	3.45	3.45	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

## Men- Mini grid: India

variable	values									Total
	Employed	Casual la	Agricultu	Business/	Small sho	Produce/s	Remitt-an	Fishing/F	Other	
A21. What are his sou	13	0	0	0	0	0	0	0	0	13
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.93
A21. What are his sou	0	50	0	0	0	0	0	0	0	50
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.87
A21. What are his sou	0	0	30	0	0	0	0	0	0	30
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	27.52
A21. What are his sou	0	0	0	4	0	0	0	0	0	4
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	3.67
A21. What are his sou	0	0	0	0	5	0	0	0	0	5
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	4.59
A21. What are his sou	0	0	0	0	0	1	0	0	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.92
A21. What are his sou	0	0	0	0	0	0	1	0	0	1
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.92
A21. What are his sou	0	0	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.92
A21. What are his sou	0	0	0	0	0	0	0	0	4	4
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	3.67
Total	13	50	30	4	5	1	1	1	4	109
	11.93	45.87	27.52	3.67	4.59	0.92	0.92	0.92	3.67	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.2.7.14 Income source Women, Batteries/ Solar Lanterns only: India

#### Women

variable	values		Total
	Casual la	Agricultu	
A20. What are her sou	4	0	4
	100.00	0.00	100.00
	100.00	0.00	57.14
A20. What are her sou	0	3	3
	0.00	100.00	100.00
	0.00	100.00	42.86
Total	4	3	7
	57.14	42.86	100.00
	100.00	100.00	100.00

#### Men

variable	values			Total
	Casual la	Agricultu	Business/	
A21. What are his sou	5	0	0	5
	100.00	0.00	0.00	100.00
	100.00	0.00	0.00	62.50
A21. What are his sou	0	2	0	2
	0.00	100.00	0.00	100.00
	0.00	100.00	0.00	25.00
A21. What are his sou	0	0	1	1
	0.00	0.00	100.00	100.00
	0.00	0.00	100.00	12.50
Total	5	2	1	8
	62.50	25.00	12.50	100.00
	100.00	100.00	100.00	100.00

### 6.2.7.15 Income source, No Access: India

#### Women

variable	Employed	Casual la	Agricultu	Total
A20. What are her sou	2	0	0	2
	100.00	0.00	0.00	100.00
	100.00	0.00	0.00	9.52
A20. What are her sou	0	13	0	13
	0.00	100.00	0.00	100.00
	0.00	100.00	0.00	61.90
A20. What are her sou	0	0	6	6
	0.00	0.00	100.00	100.00
	0.00	0.00	100.00	28.57
Total	2	13	6	21
	9.52	61.90	28.57	100.00
	100.00	100.00	100.00	100.00

#### Men

variable	Employed	Casual la	Agricultu	Business/	Other	Total
A21. What are his sou	2	0	0	0	0	2
	100.00	0.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	0.00	7.14
A21. What are his sou	0	15	0	0	0	15
	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	0.00	53.57
A21. What are his sou	0	0	9	0	0	9
	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.00	32.14
A21. What are his sou	0	0	0	1	0	1
	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	100.00	0.00	3.57
A21. What are his sou	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	100.00	3.57
Total	2	15	9	1	1	28
	7.14	53.57	32.14	3.57	3.57	100.00
	100.00	100.00	100.00	100.00	100.00	100.00



### 6.3. Household Size, number of children, number of children enrolled.

#### Nepal

Variable	N	Mean	SD	Min	Max
Household Size	220	4.90	2.44	1.00	13.00
Total number of Women in HH	220	1.47	0.76	0.00	4.00
Total number of Men in HH	220	1.35	0.91	0.00	5.00
Number of Girls <18	220	1.06	1.20	0.00	5.00
Number of Boys <18	220	1.02	1.05	0.00	5.00
Total number of Children <18	220	2.08	1.71	0.00	7.00
Number of Girls Enrolled	220	0.74	1.03	0.00	4.00
% Girls Enrolled	125	67.08	42.09	0.00	100.00
Number of boys Enrolled	220	0.71	0.85	0.00	4.00
% Boys Enrolled	139	71.94	40.63	0.00	100.00
Total number of Enrolled Children	220	1.45	1.43	0.00	5.00
% Children Enrolled	171	68.32	36.87	0.00	100.00

#### Kenya

Variable	N	Mean	SD	Min	Max
Household Size	207	5.14	2.07	1.00	11.00
Total number of Women in HH	202	1.10	0.39	0.00	3.00
Total number of Men in HH	171	1.06	0.55	0.00	4.00
Number of Girls <18	207	1.61	1.12	0.00	5.00
Number of Boys <18	207	1.58	1.23	0.00	5.00
Total number of Children <18	207	3.20	1.79	0.00	8.00
Number of Girls Enrolled	207	1.41	1.06	0.00	5.00
% Girls Enrolled	175	87.56	27.98	0.00	100.00
Number of boys Enrolled	207	1.42	1.19	0.00	5.00
% Boys Enrolled	165	89.73	27.36	0.00	100.00
Total number of Enrolled Children	207	2.83	1.77	0.00	8.00
% Children Enrolled	194	87.13	27.60	0.00	100.00

#### India

Variable	N	Mean	SD	Min	Max
Household Size	211	4.91	2.34	1.00	18.00
Total number of Women in HH	210	1.79	0.92	1.00	6.00
Total number of Men in HH	202	1.79	1.05	1.00	9.00
Number of Girls <18	215	0.79	1.05	0.00	6.00
Number of Boys <18	215	0.64	0.86	0.00	4.00
Total number of Children <18	215	1.43	1.43	0.00	9.00
Number of Girls Enrolled	215	0.56	0.94	0.00	6.00
% Girls Enrolled	105	68.54	44.33	0.00	100.00
Number of boys Enrolled	215	0.44	0.72	0.00	3.00
% Boys Enrolled	94	67.20	43.68	0.00	100.00
Total number of Enrolled Children	215	1.00	1.29	0.00	9.00
% Children Enrolled	145	65.00	42.44	0.00	100.00

### 6.3.1 Grid, Nepal

-> country = Nepal, accesscategory = Grid

Variable	N	Mean	SD	Min	Max
Household Size	81	4.46	1.99	2.00	10.00
Total number of Women in HH	81	1.40	0.66	0.00	3.00
Total number of Men in HH	81	1.32	0.85	0.00	4.00
Number of Girls <18	81	1.00	1.11	0.00	5.00
Number of Boys <18	81	0.74	0.85	0.00	3.00
Total number of Children <18	81	1.74	1.47	0.00	5.00
Number of Girls Enrolled	81	0.74	0.97	0.00	4.00
Number of boys Enrolled	81	0.58	0.74	0.00	3.00
Total number of Enrolled Children	81	1.32	1.30	0.00	5.00

### 6.3.2 Micro/Mini Grid, Nepal

-> country = Nepal, accesscategory = Mini Grid/ Micro Grid

Variable	N	Mean	SD	Min	Max
Household Size	96	5.07	2.67	1.00	13.00
Total number of Women in HH	96	1.55	0.81	0.00	4.00
Total number of Men in HH	96	1.41	1.01	0.00	5.00
Number of Girls <18	96	1.02	1.23	0.00	5.00
Number of Boys <18	96	1.09	1.14	0.00	5.00
Total number of Children <18	96	2.11	1.78	0.00	7.00
Number of Girls Enrolled	96	0.73	1.09	0.00	4.00
Number of boys Enrolled	96	0.73	0.89	0.00	3.00
Total number of Enrolled Children	96	1.46	1.47	0.00	5.00

### 6.3.3 SHS only, Nepal

-> country = Nepal, accesscategory = SHS only

Variable	N	Mean	SD	Min	Max
Household Size	13	5.85	2.64	2.00	10.00
Total number of Women in HH	13	1.77	0.73	1.00	3.00
Total number of Men in HH	13	1.38	0.77	0.00	3.00
Number of Girls <18	13	1.38	1.12	0.00	3.00
Number of Boys <18	13	1.31	1.18	0.00	4.00
Total number of Children <18	13	2.69	2.14	0.00	7.00
Number of Girls Enrolled	13	1.08	0.86	0.00	2.00
Number of boys Enrolled	13	1.23	1.24	0.00	4.00
Total number of Enrolled Children	13	2.31	1.84	0.00	5.00

### 6.3.4 Batteries/ Solar Lanterns only, Nepal

-> country = Nepal, accesscategory = Batteries/ Solar Lanterns only

Variable	N	Mean	SD	Min	Max
Household Size	24	5.42	2.55	1.00	11.00
Total number of Women in HH	24	1.38	0.88	0.00	4.00
Total number of Men in HH	24	1.38	0.88	0.00	4.00
Number of Girls <18	24	1.17	1.37	0.00	4.00
Number of Boys <18	24	1.50	1.02	0.00	4.00
Total number of Children <18	24	2.67	1.63	0.00	6.00
Number of Girls Enrolled	24	0.50	0.88	0.00	3.00
Number of boys Enrolled	24	0.75	0.74	0.00	2.00
Total number of Enrolled Children	24	1.25	1.22	0.00	4.00

### 6.3.5 No Access only, Nepal

-> country = Nepal, accesscategory = No Access

Variable	N	Mean	SD	Min	Max
Household Size	6	4.17	2.71	1.00	7.00
Total number of Women in HH	6	0.83	0.41	0.00	1.00
Total number of Men in HH	6	0.83	0.41	0.00	1.00
Number of Girls <18	6	1.50	1.64	0.00	4.00
Number of Boys <18	6	1.00	0.89	0.00	2.00
Total number of Children <18	6	2.50	2.26	0.00	5.00
Number of Girls Enrolled	6	1.17	1.47	0.00	3.00
Number of boys Enrolled	6	0.83	0.75	0.00	2.00
Total number of Enrolled Children	6	2.00	1.79	0.00	4.00

### 6.3.6 Grid, Kenya

-> country = Kenya, accesscategory = Grid

Variable	N	Mean	SD	Min	Max
Household Size	32	5.50	2.46	1.00	10.00
Total number of Women in HH	32	1.06	0.25	1.00	2.00
Total number of Men in HH	32	1.06	0.84	0.00	4.00
Number of Girls <18	32	1.88	1.18	0.00	5.00
Number of Boys <18	32	1.50	1.19	0.00	4.00
Total number of Children <18	32	3.38	2.04	0.00	8.00
Number of Girls Enrolled	32	1.75	1.05	0.00	4.00
Number of boys Enrolled	32	1.41	1.13	0.00	4.00
Total number of Enrolled Children	32	3.16	1.89	0.00	7.00

### 6.3.7 Micro/Mini Grid, Kenya

-> country = Kenya, accesscategory = Mini Grid/ Micro Grid

Variable	N	Mean	SD	Min	Max
Household Size	6	5.17	3.66	1.00	11.00
Total number of Women in HH	6	1.17	0.98	0.00	3.00
Total number of Men in HH	6	1.17	0.41	1.00	2.00
Number of Girls <18	6	1.00	1.10	0.00	3.00
Number of Boys <18	6	1.83	1.83	0.00	5.00
Total number of Children <18	6	2.83	2.56	0.00	6.00
Number of Girls Enrolled	6	1.00	1.10	0.00	3.00
Number of boys Enrolled	6	1.83	1.83	0.00	5.00
Total number of Enrolled Children	6	2.83	2.56	0.00	6.00

### 6.3.8 SHS only, Kenya

-> country = Kenya, accesscategory = SHS only

Variable	N	Mean	SD	Min	Max
Household Size	58	5.69	1.77	2.00	10.00
Total number of Women in HH	58	1.14	0.40	1.00	3.00
Total number of Men in HH	58	1.03	0.59	0.00	3.00
Number of Girls <18	58	1.69	1.14	0.00	5.00
Number of Boys <18	58	1.84	1.15	0.00	4.00
Total number of Children <18	58	3.53	1.55	1.00	8.00
Number of Girls Enrolled	58	1.53	1.08	0.00	5.00
Number of boys Enrolled	58	1.64	1.13	0.00	4.00
Total number of Enrolled Children	58	3.17	1.50	0.00	7.00

### 6.3.9 Batteries/ Solar Lanterns only, Kenya

-> country = Kenya, accesscategory = Batteries/ Solar Lanterns only

Variable	N	Mean	SD	Min	Max
Household Size	7	5.57	1.27	4.00	7.00
Total number of Women in HH	7	1.29	0.76	1.00	3.00
Total number of Men in HH	7	0.86	0.69	0.00	2.00
Number of Girls <18	7	2.00	1.00	1.00	3.00
Number of Boys <18	7	1.43	0.98	0.00	3.00
Total number of Children <18	7	3.43	0.98	2.00	5.00
Number of Girls Enrolled	7	1.86	0.90	1.00	3.00
Number of boys Enrolled	7	1.43	0.98	0.00	3.00
Total number of Enrolled Children	7	3.29	0.76	2.00	4.00

### 6.3.10 Standalone generators only, Kenya

```
-> country = Kenya, accesscategory = Stand alone generators only
```

Variable	N	Mean	SD	Min	Max
Household Size	4	5.75	0.50	5.00	6.00
Total number of Women in HH	4	1.00	0.00	1.00	1.00
Total number of Men in HH	4	1.00	0.00	1.00	1.00
Number of Girls <18	4	2.25	0.96	1.00	3.00
Number of Boys <18	4	1.50	0.58	1.00	2.00
Total number of Children <18	4	3.75	0.50	3.00	4.00
Number of Girls Enrolled	4	2.25	0.96	1.00	3.00
Number of boys Enrolled	4	1.50	0.58	1.00	2.00
Total number of Enrolled Children	4	3.75	0.50	3.00	4.00

### 6.3.11 No Access only, Kenya

```
-> country = Kenya, accesscategory = No Access
```

Variable	N	Mean	SD	Min	Max
Household Size	100	4.65	1.98	1.00	11.00
Total number of Women in HH	95	1.07	0.33	1.00	3.00
Total number of Men in HH	64	1.09	0.29	1.00	2.00
Number of Girls <18	100	1.47	1.09	0.00	4.00
Number of Boys <18	100	1.46	1.28	0.00	5.00
Total number of Children <18	100	2.93	1.85	0.00	8.00
Number of Girls Enrolled	100	1.19	1.01	0.00	4.00
Number of boys Enrolled	100	1.27	1.23	0.00	5.00
Total number of Enrolled Children	100	2.46	1.85	0.00	8.00

### 6.3.12 Grid, India

```
-> country = India, accesscategory = Grid
```

Variable	N	Mean	SD	Min	Max
Household Size	91	4.75	2.01	1.00	10.00
Total number of Women in HH	91	1.67	0.79	1.00	4.00
Total number of Men in HH	87	1.77	0.87	1.00	4.00
Number of Girls <18	91	0.68	0.92	0.00	4.00
Number of Boys <18	91	0.70	0.88	0.00	4.00
Total number of Children <18	91	1.38	1.19	0.00	5.00
Number of Girls Enrolled	91	0.51	0.85	0.00	4.00
Number of boys Enrolled	91	0.46	0.73	0.00	3.00
Total number of Enrolled Children	91	0.97	1.12	0.00	4.00

### 6.3.13 Micro/Mini Grid, India

```
-> country = India, accesscategory = Mini Grid/ Micro Grid
```

Variable	N	Mean	SD	Min	Max
Household Size	88	5.02	2.52	1.00	18.00
Total number of Women in HH	87	1.87	0.96	1.00	6.00
Total number of Men in HH	86	1.73	0.96	1.00	5.00
Number of Girls <18	91	0.87	1.14	0.00	6.00
Number of Boys <18	91	0.56	0.81	0.00	3.00
Total number of Children <18	91	1.43	1.51	0.00	9.00
Number of Girls Enrolled	91	0.57	1.02	0.00	6.00
Number of boys Enrolled	91	0.42	0.70	0.00	3.00
Total number of Enrolled Children	91	0.99	1.40	0.00	9.00

### 6.3.14 Batteries only, India<sup>12</sup>

```
-> country = India, accesscategory = Batteries/ Solar Lanterns only
```

Variable	N	Mean	SD	Min	Max
Household Size	9	4.89	1.69	2.00	8.00
Total number of Women in HH	9	1.56	0.53	1.00	2.00
Total number of Men in HH	9	1.78	1.09	1.00	4.00
Number of Girls <18	9	0.78	1.09	0.00	3.00
Number of Boys <18	9	0.78	0.83	0.00	2.00
Total number of Children <18	9	1.56	1.33	0.00	3.00
Number of Girls Enrolled	9	0.44	0.73	0.00	2.00
Number of boys Enrolled	9	0.22	0.67	0.00	2.00
Total number of Enrolled Children	9	0.67	1.12	0.00	3.00

### 6.3.15 No Access only, India

```
-> country = India, accesscategory = No Access
```

Variable	N	Mean	SD	Min	Max
Household Size	23	5.13	3.05	1.00	14.00
Total number of Women in HH	23	2.04	1.26	1.00	6.00
Total number of Men in HH	20	2.15	1.84	1.00	9.00
Number of Girls <18	24	0.92	1.21	0.00	5.00
Number of Boys <18	24	0.67	1.05	0.00	4.00
Total number of Children <18	24	1.58	1.98	0.00	9.00
Number of Girls Enrolled	24	0.79	1.06	0.00	4.00
Number of boys Enrolled	24	0.50	0.78	0.00	2.00
Total number of Enrolled Children	24	1.29	1.52	0.00	6.00

### 6.3.16 Percentage enrolled, Nepal

-> country = Nepal

Variable	N	Mean	SD	Min	Max
% Girls enrolled (7-12 yrs)	54	0.92	0.27	0.00	1.00
% Girls enrolled (13-17 yrs)	58	0.78	0.40	0.00	1.00
% Boys enrolled (7-12 yrs)	62	0.92	0.27	0.00	1.00
% Boys enrolled (13-17 yrs)	53	0.66	0.46	0.00	1.00

### 6.3.17 Percentage enrolled, Kenya

-> country = Kenya

Variable	N	Mean	SD	Min	Max
% Girls enrolled (7-12 yrs)	113	1.00	0.00	1.00	1.00
% Girls enrolled (13-17 yrs)	75	0.98	0.12	0.25	1.00
% Boys enrolled (7-12 yrs)	96	0.99	0.05	0.50	1.00
% Boys enrolled (13-17 yrs)	92	0.97	0.15	0.00	1.00

### 6.3.18 Percentage enrolled, India

-> country = India

Variable	N	Mean	SD	Min	Max
% Girls enrolled (7-12 yrs)	39	1.00	0.00	1.00	1.00
% Girls enrolled (13-17 yrs)	34	1.00	0.00	1.00	1.00
% Boys enrolled (7-12 yrs)	32	1.00	0.00	1.00	1.00
% Boys enrolled (13-17 yrs)	28	1.00	0.00	1.00	1.00

## 6.4. Homework

### 6.4.1.1 Nepal

Girls (7-12) homework-hours per day	Freq.	Percent	Cum.
1 hr	43	86.00	86.00
1-2 hrs	6	12.00	98.00
more than 2 hrs	1	2.00	100.00
Total	50	100.00	

Girls (13-17) homework-hours per day	Freq.	Percent	Cum.
1 hr	19	40.43	40.43
1-2 hrs	22	46.81	87.23
more than 2 hrs	6	12.77	100.00
Total	47	100.00	

Boys (7-12) homework-hours per day	Freq.	Percent	Cum.
1 hr	45	78.95	78.95
1-2 hrs	12	21.05	100.00
Total	57	100.00	

Boys (13-17) homework-hours per day	Freq.	Percent	Cum.
1 hr	17	45.95	45.95
1-2 hrs	18	48.65	94.59
more than 2 hrs	2	5.41	100.00
Total	37	100.00	



### 6.4.1.2 Kenya

Girls (7-12) homework-hours per day	Freq.	Percent	Cum.
1 hr	57	51.35	51.35
1-2 hrs	37	33.33	84.68
more than 2 hrs	17	15.32	100.00
Total	111	100.00	

Girls (13-17) homework-hours per day	Freq.	Percent	Cum.
1 hr	17	23.94	23.94
1-2 hrs	29	40.85	64.79
more than 2 hrs	25	35.21	100.00
Total	71	100.00	

Boys (7-12) homework-hours per day	Freq.	Percent	Cum.
1 hr	51	52.04	52.04
1-2 hrs	36	36.73	88.78
more than 2 hrs	11	11.22	100.00
Total	98	100.00	

Boys (13-17) homework-hours per day	Freq.	Percent	Cum.
1 hr	8	9.41	9.41
1-2 hrs	52	61.18	70.59
more than 2 hrs	25	29.41	100.00
Total	85	100.00	

### 6.4.1.3 India

Girls (7-12) homework-hours per day	Freq.	Percent	Cum.
1 hr	26	61.90	61.90
1-2 hrs	16	38.10	100.00
Total	42	100.00	

Girls (13-17) homework-hours per day	Freq.	Percent	Cum.
1 hr	15	40.54	40.54
1-2 hrs	22	59.46	100.00
Total	37	100.00	

Boys (7-12) homework-hours per day	Freq.	Percent	Cum.
1 hr	16	43.24	43.24
1-2 hrs	21	56.76	100.00
Total	37	100.00	

Boys (13-17) homework-hours per day	Freq.	Percent	Cum.
1 hr	1	3.33	3.33
1-2 hrs	29	96.67	100.00
Total	30	100.00	

## 6.4.2 Average distance from School, market, village center by access category

### 6.4.2.1 Nepal

Avg_distance	Freq.	Percent	Cum.
<30mins	20	9.09	9.09
30mins to<60mins	37	16.82	25.91
60 mins to <120mins	55	25.00	50.91
120 mins to <180mins	83	37.73	88.64
180 mins to <240mins	22	10.00	98.64
240mins to <300mins	2	0.91	99.55
300 mins	1	0.45	100.00
Total	220	100.00	

Avg_distance	Access Category					Total
	Grid	Mini Grid	SHS only	Batteries	No Access	
<30mins	1	13	3	2	1	20
30mins to<60mins	0	15	2	18	2	37
60 mins to <120mins	20	30	2	2	1	55
120 mins to <180mins	56	22	3	2	0	83
180 mins to <240mins	4	14	2	0	2	22
240mins to <300mins	0	2	0	0	0	2
300 mins	0	0	1	0	0	1
Total	81	96	13	24	6	220

### 6.4.2.2 Kenya

Avg_distance	Freq.	Percent	Cum.
<30mins	116	56.86	56.86
30mins to<60mins	40	19.61	76.47
60 mins to <120mins	32	15.69	92.16
120 mins to <180mins	15	7.35	99.51
180 mins to <240mins	1	0.49	100.00
Total	204	100.00	

Avg_distance	Access Category						Total
	Grid	Mini Grid	SHS only	Batteries	Stand alo	No Access	
<30mins	15	6	33	5	3	54	116
30mins to<60mins	14	0	13	1	0	12	40
60 mins to <120mins	2	0	8	0	1	21	32
120 mins to <180mins	1	0	3	1	0	10	15
180 mins to <240mins	0	0	0	0	0	1	1
Total	32	6	57	7	4	98	204

### 6.4.2.3 India

Avg_distance	Freq.	Percent	Cum.
<30mins	209	99.05	99.05
30mins to<60mins	2	0.95	100.00
Total	211	100.00	

Avg_distance	Access Category				Total
	Grid	Mini Grid	Batteries	No Access	
<30mins	87	90	9	23	209
30mins to<60mins	0	1	0	1	2
Total	87	91	9	24	211

## 6.5. Level of Education among Respondents by type of access and Gender

### Nepal

A18. What is the Respondent's level of education	Freq.	Percent	Cum.
No education	151	68.64	68.64
Primary	51	23.18	91.82
Secondary	11	5.00	96.82
Higher	7	3.18	100.00
Total	220	100.00	

### Kenya

A18. What is the Respondent's level of education	Freq.	Percent	Cum.
No education	43	20.87	20.87
Primary	88	42.72	63.59
Secondary	53	25.73	89.32
Higher	22	10.68	100.00
Total	206	100.00	

### India

A18. What is the Respondent's level of education	Freq.	Percent	Cum.
No education	83	40.10	40.10
Primary	57	27.54	67.63
Secondary	51	24.64	92.27
Higher	16	7.73	100.00
Total	207	100.00	

### 6.5.1 Nepal (As percentage of level of education)

A03. Gender of the respondent and Access Category	Name of the Country and A18. What is the Respondent's level of education			
	Nepal			
	No education	Primary	Secondary	Higher
Female				
Grid	40 33.33	13 46.43	3 37.50	4 80.00
Mini Grid/ Micro Grid	50 41.67	11 39.29	5 62.50	
SHS only	7 5.83	3 10.71		1 20.00
Batteries/ Solar Lanterns only	20 16.67	1 3.57		
Stand alone generators only				
No Access	3 2.50			
Total	120 100.00	28 100.00	8 100.00	5 100.00
Male				
Grid	12 38.71	8 34.78		1 50.00
Mini Grid/ Micro Grid	13 41.94	13 56.52	3 100.00	1 50.00
SHS only	1 3.23	1 4.35		
Batteries/ Solar Lanterns only	3 9.68			
Stand alone generators only				
No Access	2 6.45	1 4.35		
Total	31 100.00	23 100.00	3 100.00	2 100.00

### 6.5.2 Nepal (As percentage of type of access)

A03. Gender of the respondent and Access Category		A18. What is the Respondent's level of education				
		No education	Primary	Secondary	Higher	Total
Female						
	Grid	40 66.67	13 21.67	3 5.00	4 6.67	60 100.00
	Mini Grid/ Micro Grid	50 75.76	11 16.67	5 7.58		66 100.00
	SHS only	7 63.64	3 27.27		1 9.09	11 100.00
	Batteries/ Solar Lanterns only	20 95.24	1 4.76			21 100.00
	No Access	3 100.00				3 100.00
	Total	120 74.53	28 17.39	8 4.97	5 3.11	161 100.00
Male						
	Grid	12 57.14	8 38.10		1 4.76	21 100.00
	Mini Grid/ Micro Grid	13 43.33	13 43.33	3 10.00	1 3.33	30 100.00
	SHS only	1 50.00	1 50.00			2 100.00
	Batteries/ Solar Lanterns only	3 100.00				3 100.00
	No Access	2 66.67	1 33.33			3 100.00
	Total	31 52.54	23 38.98	3 5.08	2 3.39	59 100.00

### 6.5.3 Kenya (As percentage of level of education)

A03. Gender of the respondent and Access Category	Name of the Country and A18. What is the Respondent's level of education			
	Kenya			
	No education	Primary	Secondary	Higher
Female				
Grid	4 10.53	2 2.90	9 25.71	6 75.00
Mini Grid/ Micro Grid		3 4.35		
SHS only	4 10.53	15 21.74	16 45.71	1 12.50
Batteries/ Solar Lanterns only		5 7.25	1 2.86	
Stand alone generators only		1 1.45	1 2.86	
No Access	30 78.95	43 62.32	8 22.86	1 12.50
Total	38 100.00	69 100.00	35 100.00	8 100.00
Male				
Grid			3 16.67	8 57.14
Mini Grid/ Micro Grid		2 10.53	1 5.56	
SHS only		8 42.11	8 44.44	5 35.71
Batteries/ Solar Lanterns only		1 5.26		
Stand alone generators only			1 5.56	1 7.14
No Access	5 100.00	8 42.11	5 27.78	
Total	5 100.00	19 100.00	18 100.00	14 100.00



### 6.5.4 Kenya (As percentage of type of access)

A03. Gender of the respondent and Access Category		A18. What is the Respondent's level of education				
		No education	Primary	Secondary	Higher	Total
Female						
	Grid	4 19.05	2 9.52	9 42.86	6 28.57	21 100.00
	Mini Grid/ Micro Grid		3 100.00			3 100.00
	SHS only	4 11.11	15 41.67	16 44.44	1 2.78	36 100.00
	Batteries/ Solar Lanterns only		5 83.33	1 16.67		6 100.00
	Stand alone generators only		1 50.00	1 50.00		2 100.00
	No Access	30 36.59	43 52.44	8 9.76	1 1.22	82 100.00
	Total	38 25.33	69 46.00	35 23.33	8 5.33	150 100.00
Male						
	Grid			3 27.27	8 72.73	11 100.00
	Mini Grid/ Micro Grid		2 66.67	1 33.33		3 100.00
	SHS only		8 38.10	8 38.10	5 23.81	21 100.00
	Batteries/ Solar Lanterns only		1 100.00			1 100.00
	Stand alone generators only			1 50.00	1 50.00	2 100.00
	No Access	5 27.78	8 44.44	5 27.78		18 100.00
	Total	5 8.93	19 33.93	18 32.14	14 25.00	56 100.00

### 6.5.5 India (As percentage of level of education)

A03. Gender of the respondent and Access Category	Name of the Country and A18. What is the Respondent's level of education			
	India			
	No education	Primary	Secondary	Higher
<b>Female</b>				
Grid	30 41.67	16 51.61	13 46.43	7 53.85
Mini Grid/ Micro Grid	30 41.67	12 38.71	12 42.86	5 38.46
SHS only				
Batteries/ Solar Lanterns only	3 4.17	1 3.23	2 7.14	
Stand alone generators only				
No Access	9 12.50	2 6.45	1 3.57	1 7.69
Total	72 100.00	31 100.00	28 100.00	13 100.00
<b>Male</b>				
Grid	5 45.45	7 26.92	7 30.43	1 33.33
Mini Grid/ Micro Grid	6 54.55	14 53.85	8 34.78	2 66.67
SHS only				
Batteries/ Solar Lanterns only		1 3.85	2 8.70	
Stand alone generators only				
No Access		4 15.38	6 26.09	
Total	11 100.00	26 100.00	23 100.00	3 100.00

### 6.5.6 India (As percentage of type of access)

A03. Gender of the respondent and Access Category	A18. What is the Respondent's level of education						
	No education	Primary	Secondary	Higher	Total		
Female	Grid	30	16	13	7	66	
		45.45	24.24	19.70	10.61	100.00	
	Mini Grid/ Micro Grid	30	12	12	5	59	
		50.85	20.34	20.34	8.47	100.00	
	Batteries/ Solar Lanterns only	3	1	2		6	
		50.00	16.67	33.33		100.00	
	No Access	9	2	1	1	13	
		69.23	15.38	7.69	7.69	100.00	
	Total	72	31	28	13	144	
		50.00	21.53	19.44	9.03	100.00	
	Male	Grid	5	7	7	1	20
			25.00	35.00	35.00	5.00	100.00
Mini Grid/ Micro Grid		6	14	8	2	30	
		20.00	46.67	26.67	6.67	100.00	
Batteries/ Solar Lanterns only			1	2		3	
			33.33	66.67		100.00	
No Access			4	6		10	
			40.00	60.00		100.00	
Total		11	26	23	3	63	
		17.46	41.27	36.51	4.76	100.00	

## 6.6. House and land ownership

### 6.6.1 House ownership by country

A15. Who is the owner of the house?	Name of the Country			Total
	Nepal	Kenya	India	
Woman	13	57	23	93
	13.98	61.29	24.73	100.00
	6.13	28.50	10.95	14.95
Man	118	59	154	331
	35.65	17.82	46.53	100.00
	55.66	29.50	73.33	53.22
Both	1	84	7	92
	1.09	91.30	7.61	100.00
	0.47	42.00	3.33	14.79
Parents/in-laws	70	0	26	96
	72.92	0.00	27.08	100.00
	33.02	0.00	12.38	15.43
Other	10	0	0	10
	100.00	0.00	0.00	100.00
	4.72	0.00	0.00	1.61
Total	212	200	210	622
	34.08	32.15	33.76	100.00
	100.00	100.00	100.00	100.00

## 6.6.2 Land Ownership by country

A17. Who is the owner of the land?	Name of the Country			Total
	Nepal	Kenya	India	
Woman	12	57	19	88
	13.64	64.77	21.59	100.00
	5.50	29.69	11.38	15.25
Man	117	97	127	341
	34.31	28.45	37.24	100.00
	53.67	50.52	76.05	59.10
Both	3	36	5	44
	6.82	81.82	11.36	100.00
	1.38	18.75	2.99	7.63
Parents/in-laws	73	2	16	91
	80.22	2.20	17.58	100.00
	33.49	1.04	9.58	15.77
Other	13	0	0	13
	100.00	0.00	0.00	100.00
	5.96	0.00	0.00	2.25
Total	218	192	167	577
	37.78	33.28	28.94	100.00
	100.00	100.00	100.00	100.00

## 6.7. Land and House ownership by marital status and access type

### 6.7.1.1 Grid, Nepal

A17. Who is the owner of the land?	A04. Marital status of the respondent		Total
	Married	Widowed	
Woman	2	2	4
	50.00	50.00	100.00
	2.67	40.00	5.00
Man	52	1	53
	98.11	1.89	100.00
	69.33	20.00	66.25
Parents/in-laws	15	0	15
	100.00	0.00	100.00
	20.00	0.00	18.75
Other	6	2	8
	75.00	25.00	100.00
	8.00	40.00	10.00
Total	75	5	80
	93.75	6.25	100.00
	100.00	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent		Total
	Married	Widowed	
Woman	2	2	4
	50.00	50.00	100.00
	2.74	50.00	5.19
Man	51	1	52
	98.08	1.92	100.00
	69.86	25.00	67.53
Parents/in-laws	15	0	15
	100.00	0.00	100.00
	20.55	0.00	19.48
Other	5	1	6
	83.33	16.67	100.00
	6.85	25.00	7.79
Total	73	4	77
	94.81	5.19	100.00
	100.00	100.00	100.00

### 6.7.1.2 Mini Grid, Nepal

A17. Who is the owner of the land?	A04. Marital status of the respondent			Total
	Married	Divorced	Widowed	
Woman	1	0	3	4
	25.00	0.00	75.00	100.00
	1.18	0.00	33.33	4.21
Man	40	1	4	45
	88.89	2.22	8.89	100.00
	47.06	100.00	44.44	47.37
Both	2	0	0	2
	100.00	0.00	0.00	100.00
	2.35	0.00	0.00	2.11
Parents/in-laws	40	0	1	41
	97.56	0.00	2.44	100.00
	47.06	0.00	11.11	43.16
Other	2	0	1	3
	66.67	0.00	33.33	100.00
	2.35	0.00	11.11	3.16
Total	85	1	9	95
	89.47	1.05	9.47	100.00
	100.00	100.00	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent			Total
	Married	Divorced	Widowed	
Woman	3	0	3	6
	50.00	0.00	50.00	100.00
	3.61	0.00	33.33	6.45
Man	40	1	4	45
	88.89	2.22	8.89	100.00
	48.19	100.00	44.44	48.39
Parents/in-laws	38	0	1	39
	97.44	0.00	2.56	100.00
	45.78	0.00	11.11	41.94
Other	2	0	1	3
	66.67	0.00	33.33	100.00
	2.41	0.00	11.11	3.23
Total	83	1	9	93
	89.25	1.08	9.68	100.00
	100.00	100.00	100.00	100.00

### 6.7.1.3 SHS only, Nepal

A17. Who is the owner of the land?	A04. Marital status of the respondent		Total
	Married	Widowed	
Man	5	0	5
	100.00	0.00	100.00
	41.67	0.00	38.46
Parents/in-laws	7	1	8
	87.50	12.50	100.00
	58.33	100.00	61.54
Total	12	1	13
	92.31	7.69	100.00
	100.00	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent		Total
	Married	Widowed	
Man	6	0	6
	100.00	0.00	100.00
	50.00	0.00	46.15
Parents/in-laws	6	1	7
	85.71	14.29	100.00
	50.00	100.00	53.85
Total	12	1	13
	92.31	7.69	100.00
	100.00	100.00	100.00



#### 6.7.1.4 Batteries/ Solar Lanterns only, Nepal

A17. Who is the owner of the land?	A04. Marital status of the respondent			Total
	Single	Married	Widowed	
Woman	0	2	1	3
	0.00	66.67	33.33	100.00
	0.00	11.76	16.67	12.50
Man	1	5	5	11
	9.09	45.45	45.45	100.00
	100.00	29.41	83.33	45.83
Both	0	1	0	1
	0.00	100.00	0.00	100.00
	0.00	5.88	0.00	4.17
Parents/in-laws	0	7	0	7
	0.00	100.00	0.00	100.00
	0.00	41.18	0.00	29.17
Other	0	2	0	2
	0.00	100.00	0.00	100.00
	0.00	11.76	0.00	8.33
Total	1	17	6	24
	4.17	70.83	25.00	100.00
	100.00	100.00	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent			Total
	Single	Married	Widowed	
Woman	0	2	0	2
	0.00	100.00	0.00	100.00
	0.00	12.50	0.00	8.70
Man	1	5	6	12
	8.33	41.67	50.00	100.00
	100.00	31.25	100.00	52.17
Both	0	1	0	1
	0.00	100.00	0.00	100.00
	0.00	6.25	0.00	4.35
Parents/in-laws	0	7	0	7
	0.00	100.00	0.00	100.00
	0.00	43.75	0.00	30.43
Other	0	1	0	1
	0.00	100.00	0.00	100.00
	0.00	6.25	0.00	4.35
Total	1	16	6	23
	4.35	69.57	26.09	100.00
	100.00	100.00	100.00	100.00

### 6.7.1.5 No Access, Nepal

A17. Who is the owner of the land?	A04. Marital status of the respondent		Total
	Married	Widowed	
Woman	1	0	1
	100.00	0.00	100.00
	20.00	0.00	16.67
Man	2	1	3
	66.67	33.33	100.00
	40.00	100.00	50.00
Parents/in-laws	2	0	2
	100.00	0.00	100.00
	40.00	0.00	33.33
Total	5	1	6
	83.33	16.67	100.00
	100.00	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent		Total
	Married	Widowed	
Woman	1	0	1
	100.00	0.00	100.00
	20.00	0.00	16.67
Man	2	1	3
	66.67	33.33	100.00
	40.00	100.00	50.00
Parents/in-laws	2	0	2
	100.00	0.00	100.00
	40.00	0.00	33.33
Total	5	1	6
	83.33	16.67	100.00
	100.00	100.00	100.00

### 6.7.2.1 Grid, Kenya

A17. Who is the owner of the land?	A04. Marital status of the respondent			Total
	Married	Divorced	Widowed	
Woman	0	1	5	6
	0.00	16.67	83.33	100.00
	0.00	100.00	100.00	18.75
Man	24	0	0	24
	100.00	0.00	0.00	100.00
	92.31	0.00	0.00	75.00
Both	2	0	0	2
	100.00	0.00	0.00	100.00
	7.69	0.00	0.00	6.25
Total	26	1	5	32
	81.25	3.13	15.63	100.00
	100.00	100.00	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent			Total
	Married	Divorced	Widowed	
Woman	0	1	5	6
	0.00	16.67	83.33	100.00
	0.00	100.00	100.00	18.75
Man	14	0	0	14
	100.00	0.00	0.00	100.00
	53.85	0.00	0.00	43.75
Both	12	0	0	12
	100.00	0.00	0.00	100.00
	46.15	0.00	0.00	37.50
Total	26	1	5	32
	81.25	3.13	15.63	100.00
	100.00	100.00	100.00	100.00

### 6.7.2.2 Mini-Grid, Kenya

A17. Who is the owner of the land?	A04. Marital status of the respondent	
	Married	Total
Man	2	2
	100.00	100.00
	50.00	50.00
Both	2	2
	100.00	100.00
	50.00	50.00
Total	4	4
	100.00	100.00
	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent	
	Married	Total
Both	5	5
	100.00	100.00
	100.00	100.00
Total	5	5
	100.00	100.00
	100.00	100.00

### 6.7.2.3 SHS only, Kenya

A17. Who is the owner of the land?	A04. Marital status of the respondent			Total
	Married	Divorced	Widowed	
Woman	0	0	6	6
	0.00	0.00	100.00	100.00
	0.00	0.00	100.00	12.24
Man	31	1	0	32
	96.88	3.13	0.00	100.00
	75.61	50.00	0.00	65.31
Both	10	0	0	10
	100.00	0.00	0.00	100.00
	24.39	0.00	0.00	20.41
Parents/in-laws	0	1	0	1
	0.00	100.00	0.00	100.00
	0.00	50.00	0.00	2.04
Total	41	2	6	49
	83.67	4.08	12.24	100.00
	100.00	100.00	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent			Total
	Married	Divorced	Widowed	
Woman	0	0	7	7
	0.00	0.00	100.00	100.00
	0.00	0.00	100.00	12.96
Man	15	1	0	16
	93.75	6.25	0.00	100.00
	32.61	100.00	0.00	29.63
Both	31	0	0	31
	100.00	0.00	0.00	100.00
	67.39	0.00	0.00	57.41
Total	46	1	7	54
	85.19	1.85	12.96	100.00
	100.00	100.00	100.00	100.00

#### 6.7.2.4 Batteries/ Solar Lanterns only, Kenya

A17. Who is the owner of the land?	A04. Marital status of the respondent		Total
	Married	Divorced	
Woman	1	1	2
	50.00	50.00	100.00
	20.00	100.00	33.33
Man	3	0	3
	100.00	0.00	100.00
	60.00	0.00	50.00
Both	1	0	1
	100.00	0.00	100.00
	20.00	0.00	16.67
Total	5	1	6
	83.33	16.67	100.00
	100.00	100.00	100.00

*Batteries/ Solar Lanterns only, Kenya*

A15. Who is the owner of the house?	A04. Marital status of the respondent			Total
	Married	Divorced	Widowed	
Woman	0	1	1	2
	0.00	50.00	50.00	100.00
	0.00	100.00	100.00	28.57
Man	3	0	0	3
	100.00	0.00	0.00	100.00
	60.00	0.00	0.00	42.86
Both	2	0	0	2
	100.00	0.00	0.00	100.00
	40.00	0.00	0.00	28.57
Total	5	1	1	7
	71.43	14.29	14.29	100.00
	100.00	100.00	100.00	100.00

#### 6.7.2.5 Standalone generators only, Kenya

A17. Who is the owner of the land?	A04. Marital status of the respondent	
	Married	Total
Man	2	2
	100.00	100.00
	50.00	50.00
Both	2	2
	100.00	100.00
	50.00	50.00
Total	4	4
	100.00	100.00
	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent	
	Married	Total
Man	2	2
	100.00	100.00
	50.00	50.00
Both	2	2
	100.00	100.00
	50.00	50.00
Total	4	4
	100.00	100.00
	100.00	100.00

### 6.7.2.6 No Access, Kenya

A17. Who is the owner of the land?	A04. Marital status of the respondent			Total
	Married	Divorced	Widowed	
Woman	1	1	41	43
	2.33	2.33	95.35	100.00
	1.92	50.00	95.35	44.33
Man	31	1	2	34
	91.18	2.94	5.88	100.00
	59.62	50.00	4.65	35.05
Both	19	0	0	19
	100.00	0.00	0.00	100.00
	36.54	0.00	0.00	19.59
Parents/in-laws	1	0	0	1
	100.00	0.00	0.00	100.00
	1.92	0.00	0.00	1.03
Total	52	2	43	97
	53.61	2.06	44.33	100.00
	100.00	100.00	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent			Total
	Married	Divorced	Widowed	
Woman	0	1	41	42
	0.00	2.38	97.62	100.00
	0.00	50.00	95.35	42.86
Man	21	1	2	24
	87.50	4.17	8.33	100.00
	39.62	50.00	4.65	24.49
Both	32	0	0	32
	100.00	0.00	0.00	100.00
	60.38	0.00	0.00	32.65
Total	53	2	43	98
	54.08	2.04	43.88	100.00
	100.00	100.00	100.00	100.00



### 6.7.3.1 Grid, India

A17. Who is the owner of the land?	A04. Marital status of the respondent			Total
	Single	Married	Widowed	
Woman	0	3	4	7
	0.00	42.86	57.14	100.00
	0.00	5.88	57.14	11.86
Man	1	41	3	45
	2.22	91.11	6.67	100.00
	100.00	80.39	42.86	76.27
Parents/in-laws	0	7	0	7
	0.00	100.00	0.00	100.00
	0.00	13.73	0.00	11.86
Total	1	51	7	59
	1.69	86.44	11.86	100.00
	100.00	100.00	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent			Total
	Single	Married	Widowed	
Woman	0	5	5	10
	0.00	50.00	50.00	100.00
	0.00	6.49	55.56	11.49
Man	1	59	4	64
	1.56	92.19	6.25	100.00
	100.00	76.62	44.44	73.56
Both	0	1	0	1
	0.00	100.00	0.00	100.00
	0.00	1.30	0.00	1.15
Parents/in-laws	0	12	0	12
	0.00	100.00	0.00	100.00
	0.00	15.58	0.00	13.79
Total	1	77	9	87
	1.15	88.51	10.34	100.00
	100.00	100.00	100.00	100.00

### 6.7.3.2 Mini Grid, India

A17. Who is the owner of the land?	A04. Marital status of the respondent				Total
	Single	Married	Divorced	Widowed	
Woman	0	0	1	2	3
	0.00	0.00	33.33	66.67	100.00
	0.00	0.00	100.00	22.22	4.00
Man	1	52	0	7	60
	1.67	86.67	0.00	11.67	100.00
	100.00	81.25	0.00	77.78	80.00
Both	0	3	0	0	3
	0.00	100.00	0.00	0.00	100.00
	0.00	4.69	0.00	0.00	4.00
Parents/in-laws	0	9	0	0	9
	0.00	100.00	0.00	0.00	100.00
	0.00	14.06	0.00	0.00	12.00
Total	1	64	1	9	75
	1.33	85.33	1.33	12.00	100.00
	100.00	100.00	100.00	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent				Total
	Single	Married	Divorced	Widowed	
Woman	0	2	1	3	6
	0.00	33.33	16.67	50.00	100.00
	0.00	2.60	100.00	27.27	6.67
Man	1	60	0	7	68
	1.47	88.24	0.00	10.29	100.00
	100.00	77.92	0.00	63.64	75.56
Both	0	3	0	0	3
	0.00	100.00	0.00	0.00	100.00
	0.00	3.90	0.00	0.00	3.33
Parents/in-laws	0	12	0	1	13
	0.00	92.31	0.00	7.69	100.00
	0.00	15.58	0.00	9.09	14.44
Total	1	77	1	11	90
	1.11	85.56	1.11	12.22	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.7.3.3 Batteries only, India

A17. Who is the owner of the land?	A04. Marital status of the respondent		Total
	Married	Widowed	
Woman	0	1	1
	0.00	100.00	100.00
	0.00	100.00	11.11
Man	7	0	7
	100.00	0.00	100.00
	87.50	0.00	77.78
Both	1	0	1
	100.00	0.00	100.00
	12.50	0.00	11.11
Total	8	1	9
	88.89	11.11	100.00
	100.00	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent		Total
	Married	Widowed	
Woman	0	1	1
	0.00	100.00	100.00
	0.00	100.00	11.11
Man	7	0	7
	100.00	0.00	100.00
	87.50	0.00	77.78
Parents/in-laws	1	0	1
	100.00	0.00	100.00
	12.50	0.00	11.11
Total	8	1	9
	88.89	11.11	100.00
	100.00	100.00	100.00

#### 6.7.3.4 No Access, India

A17. Who is the owner of the land?	A04. Marital status of the respondent			Total
	Married	Divorced	Widowed	
Woman	2	0	6	8
	25.00	0.00	75.00	100.00
	12.50	0.00	85.71	33.33
Man	13	1	1	15
	86.67	6.67	6.67	100.00
	81.25	100.00	14.29	62.50
Both	1	0	0	1
	100.00	0.00	0.00	100.00
	6.25	0.00	0.00	4.17
Total	16	1	7	24
	66.67	4.17	29.17	100.00
	100.00	100.00	100.00	100.00

A15. Who is the owner of the house?	A04. Marital status of the respondent			Total
	Married	Divorced	Widowed	
Woman	0	0	6	6
	0.00	0.00	100.00	100.00
	0.00	0.00	85.71	25.00
Man	14	0	1	15
	93.33	0.00	6.67	100.00
	87.50	0.00	14.29	62.50
Both	2	1	0	3
	66.67	33.33	0.00	100.00
	12.50	100.00	0.00	12.50
Total	16	1	7	24
	66.67	4.17	29.17	100.00
	100.00	100.00	100.00	100.00

## 6.8. Asset (other than land or house) ownership

### 6.8.1 Nepal

variable	values				Total
	Woman	Man	Both	Other	
Beds	11 6.88	5 3.13	139 86.88	5 3.13	160 100.00
Chickens	22 11.58	4 2.11	160 84.21	4 2.11	190 100.00
Goat/Sheep/Donkey	22 11.58	5 2.63	155 81.58	8 4.21	190 100.00
Cattle	18 9.89	3 1.65	154 84.62	7 3.85	182 100.00
Silver Jewellery	15 20.83	2 2.78	55 76.39	0 0.00	72 100.00
Gold Jewellery	64 35.96	2 1.12	110 61.80	2 1.12	178 100.00
Bicycle	1 50.00	0 0.00	1 50.00	0 0.00	2 100.00
Moped, motorbike, car	0 0.00	0 0.00	0 0.00	1 100.00	1 100.00
Sewing machine (non-e	2 40.00	0 0.00	1 20.00	2 40.00	5 100.00
Other major assets	5 8.20	6 9.84	47 77.05	3 4.92	61 100.00
Total	160 15.37	27 2.59	822 78.96	32 3.07	1,041 100.00

### 6.8.2 Kenya

variable	Woman	Man	Both	Other	Total
Beds	74 35.75	49 23.67	84 40.58	0 0.00	207 100.00
Chickens	154 79.38	5 2.58	34 17.53	1 0.52	194 100.00
Goat/Sheep/Donkey	41 29.50	54 38.85	43 30.94	1 0.72	139 100.00
Cattle	27 24.55	54 49.09	29 26.36	0 0.00	110 100.00
Gold Jewellery	0 0.00	0 0.00	0 0.00	1 100.00	1 100.00
Bicycle	0 0.00	13 81.25	1 6.25	2 12.50	16 100.00
Moped, motorbike, car	2 6.25	28 87.50	1 3.13	1 3.13	32 100.00
Sewing machine (non-e	1 50.00	0 0.00	1 50.00	0 0.00	2 100.00
Other major assets	0 0.00	1 100.00	0 0.00	0 0.00	1 100.00
Total	299 42.59	204 29.06	193 27.49	6 0.85	702 100.00

### 6.8.3 India

variable	values				Total
	Woman	Man	Both	Other	
Beds	13 6.34	7 3.41	185 90.24	0 0.00	205 100.00
Chickens	0 0.00	0 0.00	8 100.00	0 0.00	8 100.00
Goat/Sheep/Donkey	0 0.00	4 28.57	10 71.43	0 0.00	14 100.00
Cattle	4 4.88	6 7.32	72 87.80	0 0.00	82 100.00
Silver Jewellery	174 92.55	0 0.00	13 6.91	1 0.53	188 100.00
Gold Jewellery	130 92.86	0 0.00	10 7.14	0 0.00	140 100.00
Bicycle	0 0.00	167 96.53	4 2.31	2 1.16	173 100.00
Moped, motorbike, car	0 0.00	81 98.78	0 0.00	1 1.22	82 100.00
Sewing machine (non-e	6 31.58	10 52.63	3 15.79	0 0.00	19 100.00
Other major assets	2 33.33	4 66.67	0 0.00	0 0.00	6 100.00
Total	329 35.88	279 30.43	305 33.26	4 0.44	917 100.00

## 6.9. Appliance ownership

### 6.9.1 Appliances - Kept in Households

#### 6.9.1.1 Nepal

variable	Yes	No	Total
Radio kept	52 27.37 15.07	138 72.63 5.51	190 100.00 6.67
Mobilephones kept	159 83.68 46.09	31 16.32 1.24	190 100.00 6.67
B&W TV kept	0 0.00 0.00	190 100.00 7.58	190 100.00 6.67
color TV kept	59 31.05 17.10	131 68.95 5.23	190 100.00 6.67
Blender mixer kept	4 2.11 1.16	186 97.89 7.43	190 100.00 6.67
Iron kept	6 3.16 1.74	184 96.84 7.35	190 100.00 6.67
Table fan kept	6 3.16 1.74	184 96.84 7.35	190 100.00 6.67
Celing Fan kept	1 0.53 0.29	189 99.47 7.54	190 100.00 6.67
Fridge kept	6 3.16 1.74	184 96.84 7.35	190 100.00 6.67
Freezer kept	0 0.00 0.00	190 100.00 7.58	190 100.00 6.67
Electric sewing mach	0 0.00 0.00	190 100.00 7.58	190 100.00 6.67
Rice Cooker kept	44 23.16 12.75	146 76.84 5.83	190 100.00 6.67
Electric Kettle kept	1 0.53 0.29	189 99.47 7.54	190 100.00 6.67
Other Electric Cooker	0 0.00 0.00	190 100.00 7.58	190 100.00 6.67
Other electric applia	7 3.68 2.03	183 96.32 7.31	190 100.00 6.67
Total	345 12.11 100.00	2,505 87.89 100.00	2,850 100.00 100.00



### 6.9.1.1.1 Grid, Nepal

variable	values		Total
	Yes	No	
Radio kept	23	58	81
	28.40	71.60	100.00
	13.07	5.58	6.67
Mobilephones kept	75	6	81
	92.59	7.41	100.00
	42.61	0.58	6.67
B&W TV kept	0	81	81
	0.00	100.00	100.00
	0.00	7.80	6.67
color TV kept	34	47	81
	41.98	58.02	100.00
	19.32	4.52	6.67
Blender mixer kept	3	78	81
	3.70	96.30	100.00
	1.70	7.51	6.67
Iron kept	4	77	81
	4.94	95.06	100.00
	2.27	7.41	6.67
Table fan kept	5	76	81
	6.17	93.83	100.00
	2.84	7.31	6.67
Celimg Fan kept	0	81	81
	0.00	100.00	100.00
	0.00	7.80	6.67
Fridge kept	3	78	81
	3.70	96.30	100.00
	1.70	7.51	6.67
Freezer kept	0	81	81
	0.00	100.00	100.00
	0.00	7.80	6.67
Electric sewing mach	0	81	81
	0.00	100.00	100.00
	0.00	7.80	6.67
Rice Cooker kept	27	54	81
	33.33	66.67	100.00
	15.34	5.20	6.67
Electric Kettle kept	0	81	81
	0.00	100.00	100.00
	0.00	7.80	6.67
Other Electric Cooker	0	81	81
	0.00	100.00	100.00
	0.00	7.80	6.67
Other electric applia	2	79	81
	2.47	97.53	100.00
	1.14	7.60	6.67
Total	176	1,039	1,215
	14.49	85.51	100.00
	100.00	100.00	100.00

### 6.9.1.1.2 Mini Grid/ Micro Grid, Nepal

variable	Yes	No	Total
Radio kept	23 23.96 16.08	73 76.04 5.63	96 100.00 6.67
Mobilephones kept	73 76.04 51.05	23 23.96 1.77	96 100.00 6.67
B&W TV kept	0 0.00 0.00	96 100.00 7.40	96 100.00 6.67
color TV kept	20 20.83 13.99	76 79.17 5.86	96 100.00 6.67
Blender mixer kept	1 1.04 0.70	95 98.96 7.32	96 100.00 6.67
Iron kept	2 2.08 1.40	94 97.92 7.25	96 100.00 6.67
Table fan kept	1 1.04 0.70	95 98.96 7.32	96 100.00 6.67
Celing Fan kept	1 1.04 0.70	95 98.96 7.32	96 100.00 6.67
Fridge kept	3 3.13 2.10	93 96.88 7.17	96 100.00 6.67
Freezer kept	0 0.00 0.00	96 100.00 7.40	96 100.00 6.67
Electric sewing mach	0 0.00 0.00	96 100.00 7.40	96 100.00 6.67
Rice Cooker kept	14 14.58 9.79	82 85.42 6.32	96 100.00 6.67
Electric Kettle kept	1 1.04 0.70	95 98.96 7.32	96 100.00 6.67
Other Electric Cooker	0 0.00 0.00	96 100.00 7.40	96 100.00 6.67
Other electric applia	4 4.17 2.80	92 95.83 7.09	96 100.00 6.67
Total	143 9.93 100.00	1,297 90.07 100.00	1,440 100.00 100.00

### 6.9.1.1.3 SHS, Nepal

variable	values		Total
	Yes	No	
Radio kept	6	7	13
	46.15	53.85	100.00
	23.08	4.14	6.67
Mobilephones kept	11	2	13
	84.62	15.38	100.00
	42.31	1.18	6.67
B&W TV kept	0	13	13
	0.00	100.00	100.00
	0.00	7.69	6.67
color TV kept	5	8	13
	38.46	61.54	100.00
	19.23	4.73	6.67
Blender mixer kept	0	13	13
	0.00	100.00	100.00
	0.00	7.69	6.67
Iron kept	0	13	13
	0.00	100.00	100.00
	0.00	7.69	6.67
Table fan kept	0	13	13
	0.00	100.00	100.00
	0.00	7.69	6.67
Celimg Fan kept	0	13	13
	0.00	100.00	100.00
	0.00	7.69	6.67
Fridge kept	0	13	13
	0.00	100.00	100.00
	0.00	7.69	6.67
Freezer kept	0	13	13
	0.00	100.00	100.00
	0.00	7.69	6.67
Electric sewing mach	0	13	13
	0.00	100.00	100.00
	0.00	7.69	6.67
Rice Cooker kept	3	10	13
	23.08	76.92	100.00
	11.54	5.92	6.67
Electric Kettle kept	0	13	13
	0.00	100.00	100.00
	0.00	7.69	6.67
Other Electric Cooker	0	13	13
	0.00	100.00	100.00
	0.00	7.69	6.67
Other electric applia	1	12	13
	7.69	92.31	100.00
	3.85	7.10	6.67
Total	26	169	195
	13.33	86.67	100.00
	100.00	100.00	100.00

### 6.9.1.2 Kenya

variable	Yes	No	Total
Radio kept	94 97.92 30.13	2 2.08 10.00	96 100.00 28.92
Mobilephones kept	100 100.00 32.05	0 0.00 0.00	100 100.00 30.12
B&W TV kept	0 0.00 0.00	3 100.00 15.00	3 100.00 0.90
color TV kept	67 98.53 21.47	1 1.47 5.00	68 100.00 20.48
Blender mixer kept	1 25.00 0.32	3 75.00 15.00	4 100.00 1.20
Iron kept	20 95.24 6.41	1 4.76 5.00	21 100.00 6.33
Table fan kept	1 33.33 0.32	2 66.67 10.00	3 100.00 0.90
Celing Fan kept	3 60.00 0.96	2 40.00 10.00	5 100.00 1.51
Fridge kept	10 90.91 3.21	1 9.09 5.00	11 100.00 3.31
Freezer kept	0 0.00 0.00	2 100.00 10.00	2 100.00 0.60
Electric sewing mach	2 66.67 0.64	1 33.33 5.00	3 100.00 0.90
Rice Cooker kept	0 0.00 0.00	2 100.00 10.00	2 100.00 0.60
Electric Kettle kept	7 100.00 2.24	0 0.00 0.00	7 100.00 2.11
Other Electric Cooker	2 100.00 0.64	0 0.00 0.00	2 100.00 0.60
Other electric applia	5 100.00 1.60	0 0.00 0.00	5 100.00 1.51
Total	312 93.98 100.00	20 6.02 100.00	332 100.00 100.00

### 6.9.1.2.1 Kenya, Grid

variable	values		Total
	Yes	No	
Radio kept	31	0	31
	100.00	0.00	100.00
	25.00	0.00	23.13
Mobilephones kept	31	0	31
	100.00	0.00	100.00
	25.00	0.00	23.13
B&W TV kept	0	3	3
	0.00	100.00	100.00
	0.00	30.00	2.24
color TV kept	29	0	29
	100.00	0.00	100.00
	23.39	0.00	21.64
Blender mixer kept	1	2	3
	33.33	66.67	100.00
	0.81	20.00	2.24
Iron kept	15	0	15
	100.00	0.00	100.00
	12.10	0.00	11.19
Table fan kept	0	1	1
	0.00	100.00	100.00
	0.00	10.00	0.75
Celeng Fan kept	0	1	1
	0.00	100.00	100.00
	0.00	10.00	0.75
Fridge kept	8	0	8
	100.00	0.00	100.00
	6.45	0.00	5.97
Freezer kept	0	1	1
	0.00	100.00	100.00
	0.00	10.00	0.75
Electric sewing mach	0	1	1
	0.00	100.00	100.00
	0.00	10.00	0.75
Rice Cooker kept	0	1	1
	0.00	100.00	100.00
	0.00	10.00	0.75
Electric Kettle kept	6	0	6
	100.00	0.00	100.00
	4.84	0.00	4.48
Other Electric Cooker	1	0	1
	100.00	0.00	100.00
	0.81	0.00	0.75
Other electric applia	2	0	2
	100.00	0.00	100.00
	1.61	0.00	1.49
Total	124	10	134
	92.54	7.46	100.00
	100.00	100.00	100.00

#### 6.9.1.2.2 Mini Grid/ Micro Grid, Kenya

variable	Yes	Total
Radio kept	6 100.00 20.69	6 100.00 20.69
Mobilephones kept	6 100.00 20.69	6 100.00 20.69
color TV kept	6 100.00 20.69	6 100.00 20.69
Iron kept	3 100.00 10.34	3 100.00 10.34
Table fan kept	1 100.00 3.45	1 100.00 3.45
Celing Fan kept	3 100.00 10.34	3 100.00 10.34
Fridge kept	2 100.00 6.90	2 100.00 6.90
Other electric applia	2 100.00 6.90	2 100.00 6.90
Total	29 100.00 100.00	29 100.00 100.00

### 6.9.1.2.3 SHS only, Kenya

variable	values		Total
	Yes	No	
Radio kept	51	1	52
	98.08	1.92	100.00
	35.92	11.11	34.44
Mobilephones kept	55	0	55
	100.00	0.00	100.00
	38.73	0.00	36.42
color TV kept	29	1	30
	96.67	3.33	100.00
	20.42	11.11	19.87
Blender mixer kept	0	1	1
	0.00	100.00	100.00
	0.00	11.11	0.66
Iron kept	2	1	3
	66.67	33.33	100.00
	1.41	11.11	1.99
Table fan kept	0	1	1
	0.00	100.00	100.00
	0.00	11.11	0.66
Celimg Fan kept	0	1	1
	0.00	100.00	100.00
	0.00	11.11	0.66
Fridge kept	0	1	1
	0.00	100.00	100.00
	0.00	11.11	0.66
Freezer kept	0	1	1
	0.00	100.00	100.00
	0.00	11.11	0.66
Electric sewing mach	2	0	2
	100.00	0.00	100.00
	1.41	0.00	1.32
Rice Cooker kept	0	1	1
	0.00	100.00	100.00
	0.00	11.11	0.66
Electric Kettle kept	1	0	1
	100.00	0.00	100.00
	0.70	0.00	0.66
Other Electric Cooker	1	0	1
	100.00	0.00	100.00
	0.70	0.00	0.66
Other electric applia	1	0	1
	100.00	0.00	100.00
	0.70	0.00	0.66
Total	142	9	151
	94.04	5.96	100.00
	100.00	100.00	100.00

#### 6.9.1.2.4 Batteries/ Solar Lanterns only, Kenya

variable	values		Total
	Yes	No	
Radio kept	2	1	3
	66.67	33.33	100.00
	40.00	100.00	50.00
Mobilephones kept	3	0	3
	100.00	0.00	100.00
	60.00	0.00	50.00
Total	5	1	6
	83.33	16.67	100.00
	100.00	100.00	100.00

#### 6.9.1.2.5 Stand alone generators only, Kenya

variable	values	
	Yes	Total
Radio kept	4	4
	100.00	100.00
	36.36	36.36
Mobilephones kept	4	4
	100.00	100.00
	36.36	36.36
color TV kept	3	3
	100.00	100.00
	27.27	27.27
Total	11	11
	100.00	100.00
	100.00	100.00



#### 6.9.1.2.6 No Access, Kenya

variable	values	Total
	Yes	
Mobilephones kept	1	1
	100.00	100.00
	100.00	100.00
Total	1	1
	100.00	100.00
	100.00	100.00

### 6.9.1.3 India

variable	Yes	No	Total
Radio kept	13	50	63
	20.63	79.37	100.00
	4.69	11.57	8.89
Mobilephones kept	60	8	68
	88.24	11.76	100.00
	21.66	1.85	9.59
B&W TV kept	56	45	101
	55.45	44.55	100.00
	20.22	10.42	14.25
color TV kept	45	20	65
	69.23	30.77	100.00
	16.25	4.63	9.17
Blender mixer kept	4	45	49
	8.16	91.84	100.00
	1.44	10.42	6.91
Iron kept	30	43	73
	41.10	58.90	100.00
	10.83	9.95	10.30
Table fan kept	33	41	74
	44.59	55.41	100.00
	11.91	9.49	10.44
Celing Fan kept	28	16	44
	63.64	36.36	100.00
	10.11	3.70	6.21
Fridge kept	2	41	43
	4.65	95.35	100.00
	0.72	9.49	6.06
Electric sewing mach	0	42	42
	0.00	100.00	100.00
	0.00	9.72	5.92
Rice Cooker kept	6	39	45
	13.33	86.67	100.00
	2.17	9.03	6.35
Electric Kettle kept	0	42	42
	0.00	100.00	100.00
	0.00	9.72	5.92
Total	277	432	709
	39.07	60.93	100.00
	100.00	100.00	100.00

### 6.9.1.3.1 Grid, India

variable	values		Total
	Yes	No	
Radio kept	3	36	39
	7.69	92.31	100.00
	1.80	10.00	7.40
Mobilephones kept	34	4	38
	89.47	10.53	100.00
	20.36	1.11	7.21
B&W TV kept	32	38	70
	45.71	54.29	100.00
	19.16	10.56	13.28
color TV kept	25	13	38
	65.79	34.21	100.00
	14.97	3.61	7.21
Blender mixer kept	2	38	40
	5.00	95.00	100.00
	1.20	10.56	7.59
Iron kept	16	36	52
	30.77	69.23	100.00
	9.58	10.00	9.87
Table fan kept	25	33	58
	43.10	56.90	100.00
	14.97	9.17	11.01
Celing Fan kept	26	12	38
	68.42	31.58	100.00
	15.57	3.33	7.21
Fridge kept	1	37	38
	2.63	97.37	100.00
	0.60	10.28	7.21
Electric sewing mach	0	38	38
	0.00	100.00	100.00
	0.00	10.56	7.21
Rice Cooker kept	3	37	40
	7.50	92.50	100.00
	1.80	10.28	7.59
Electric Kettle kept	0	38	38
	0.00	100.00	100.00
	0.00	10.56	7.21
Total	167	360	527
	31.69	68.31	100.00
	100.00	100.00	100.00

### 6.9.1.3.2 Mini Grid/ Micro Grid, India

variable	values		Total
	Yes	No	
Radio kept	10	14	24
	41.67	58.33	100.00
	9.09	19.44	13.19
Mobilephones kept	26	4	30
	86.67	13.33	100.00
	23.64	5.56	16.48
B&W TV kept	24	7	31
	77.42	22.58	100.00
	21.82	9.72	17.03
color TV kept	20	7	27
	74.07	25.93	100.00
	18.18	9.72	14.84
Blender mixer kept	2	7	9
	22.22	77.78	100.00
	1.82	9.72	4.95
Iron kept	14	7	21
	66.67	33.33	100.00
	12.73	9.72	11.54
Table fan kept	8	8	16
	50.00	50.00	100.00
	7.27	11.11	8.79
Celing Fan kept	2	4	6
	33.33	66.67	100.00
	1.82	5.56	3.30
Fridge kept	1	4	5
	20.00	80.00	100.00
	0.91	5.56	2.75
Electric sewing mach	0	4	4
	0.00	100.00	100.00
	0.00	5.56	2.20
Rice Cooker kept	3	2	5
	60.00	40.00	100.00
	2.73	2.78	2.75
Electric Kettle kept	0	4	4
	0.00	100.00	100.00
	0.00	5.56	2.20
Total	110	72	182
	60.44	39.56	100.00
	100.00	100.00	100.00

## 6.9.2 Appliances - in Custody

### 6.9.2.1 Nepal

variable	values						Total
	W:Woman	M: Man	B: Both	P:Parents	O:Other p	All: all	
Radio	5	15	17	1	4	10	52
	9.62	28.85	32.69	1.92	7.69	19.23	100.00
	9.62	28.85	14.29	50.00	10.00	13.70	15.38
Mobilephones	30	25	46	0	26	32	159
	18.87	15.72	28.93	0.00	16.35	20.13	100.00
	57.69	48.08	38.66	0.00	65.00	43.84	47.04
Color TV	5	9	26	0	7	12	59
	8.47	15.25	44.07	0.00	11.86	20.34	100.00
	9.62	17.31	21.85	0.00	17.50	16.44	17.46
Blender Mixer	2	0	0	0	0	2	4
	50.00	0.00	0.00	0.00	0.00	50.00	100.00
	3.85	0.00	0.00	0.00	0.00	2.74	1.18
Iron	0	0	3	0	1	2	6
	0.00	0.00	50.00	0.00	16.67	33.33	100.00
	0.00	0.00	2.52	0.00	2.50	2.74	1.78
Table Fan	1	1	2	0	0	2	6
	16.67	16.67	33.33	0.00	0.00	33.33	100.00
	1.92	1.92	1.68	0.00	0.00	2.74	1.78
Celimg Fan	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	1.37	0.30
Fridge	1	1	3	0	0	1	6
	16.67	16.67	50.00	0.00	0.00	16.67	100.00
	1.92	1.92	2.52	0.00	0.00	1.37	1.78
Rice Cooker	8	1	22	1	2	10	44
	18.18	2.27	50.00	2.27	4.55	22.73	100.00
	15.38	1.92	18.49	50.00	5.00	13.70	13.02
Electric Kettle	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	1.37	0.30
Total	52	52	119	2	40	73	338
	15.38	15.38	35.21	0.59	11.83	21.60	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.2.1.1 Grid, Nepal

variable	values					Total
	W: Woman	M: Man	B: Both	O: Other p	All: all	
Radio	2	1	9	2	9	23
	8.70	4.35	39.13	8.70	39.13	100.00
	6.90	11.11	11.11	11.11	23.08	13.07
Mobilephones	14	6	27	12	16	75
	18.67	8.00	36.00	16.00	21.33	100.00
	48.28	66.67	33.33	66.67	41.03	42.61
Color TV	4	1	20	3	6	34
	11.76	2.94	58.82	8.82	17.65	100.00
	13.79	11.11	24.69	16.67	15.38	19.32
Blender Mixer	2	0	0	0	1	3
	66.67	0.00	0.00	0.00	33.33	100.00
	6.90	0.00	0.00	0.00	2.56	1.70
Iron	0	0	3	0	1	4
	0.00	0.00	75.00	0.00	25.00	100.00
	0.00	0.00	3.70	0.00	2.56	2.27
Table Fan	1	0	2	0	2	5
	20.00	0.00	40.00	0.00	40.00	100.00
	3.45	0.00	2.47	0.00	5.13	2.84
Fridge	1	0	1	0	1	3
	33.33	0.00	33.33	0.00	33.33	100.00
	3.45	0.00	1.23	0.00	2.56	1.70
Rice Cooker	5	0	18	1	3	27
	18.52	0.00	66.67	3.70	11.11	100.00
	17.24	0.00	22.22	5.56	7.69	15.34
Others	0	1	1	0	0	2
	0.00	50.00	50.00	0.00	0.00	100.00
	0.00	11.11	1.23	0.00	0.00	1.14
Total	29	9	81	18	39	176
	16.48	5.11	46.02	10.23	22.16	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.2.1.2 Mini grid, Nepal

variable	values					Total
	W: Woman	M: Man	B: Both	O: Other p	All: all	
Radio	2	13	6	1	1	23
	8.70	56.52	26.09	4.35	4.35	100.00
	11.11	30.95	17.14	5.56	3.33	16.08
Mobilephones	13	18	18	12	12	73
	17.81	24.66	24.66	16.44	16.44	100.00
	72.22	42.86	51.43	66.67	40.00	51.05
Color TV	1	6	5	2	6	20
	5.00	30.00	25.00	10.00	30.00	100.00
	5.56	14.29	14.29	11.11	20.00	13.99
Blender Mixer	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	3.33	0.70
Iron	0	0	0	1	1	2
	0.00	0.00	0.00	50.00	50.00	100.00
	0.00	0.00	0.00	5.56	3.33	1.40
Table Fan	0	1	0	0	0	1
	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	2.38	0.00	0.00	0.00	0.70
Celimg Fan	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	3.33	0.70
Fridge	0	1	2	0	0	3
	0.00	33.33	66.67	0.00	0.00	100.00
	0.00	2.38	5.71	0.00	0.00	2.10
Rice Cooker	2	1	3	1	7	14
	14.29	7.14	21.43	7.14	50.00	100.00
	11.11	2.38	8.57	5.56	23.33	9.79
Electric Kettle	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	3.33	0.70
Others	0	2	1	1	0	4
	0.00	50.00	25.00	25.00	0.00	100.00
	0.00	4.76	2.86	5.56	0.00	2.80
Total	18	42	35	18	30	143
	12.59	29.37	24.48	12.59	20.98	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.2.1.3 SHS only, Nepal

variable	values						Total
	W: Woman	M: Man	B: Both	P: Parents	O: Other p	All: all	
Radio	1	1	2	1	1	0	6
	16.67	16.67	33.33	16.67	16.67	0.00	100.00
	20.00	20.00	40.00	50.00	20.00	0.00	23.08
Mobilephones	3	1	1	0	2	4	11
	27.27	9.09	9.09	0.00	18.18	36.36	100.00
	60.00	20.00	20.00	0.00	40.00	100.00	42.31
Color TV	0	2	1	0	2	0	5
	0.00	40.00	20.00	0.00	40.00	0.00	100.00
	0.00	40.00	20.00	0.00	40.00	0.00	19.23
Rice Cooker	1	0	1	1	0	0	3
	33.33	0.00	33.33	33.33	0.00	0.00	100.00
	20.00	0.00	20.00	50.00	0.00	0.00	11.54
Others	0	1	0	0	0	0	1
	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	20.00	0.00	0.00	0.00	0.00	3.85
Total	5	5	5	2	5	4	26
	19.23	19.23	19.23	7.69	19.23	15.38	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00



### 6.9.2.2 Kenya

variable	values			Total
	W: Woman	M: Man	B: Both	
Radio	18	45	26	89
	20.22	50.56	29.21	100.00
	29.03	50.56	20.00	31.67
Mobilephones	16	12	66	94
	17.02	12.77	70.21	100.00
	25.81	13.48	50.77	33.45
Color TV	7	21	29	57
	12.28	36.84	50.88	100.00
	11.29	23.60	22.31	20.28
Blender Mixer	1	0	0	1
	100.00	0.00	0.00	100.00
	1.61	0.00	0.00	0.36
Iron	10	3	5	18
	55.56	16.67	27.78	100.00
	16.13	3.37	3.85	6.41
Table Fan	0	1	0	1
	0.00	100.00	0.00	100.00
	0.00	1.12	0.00	0.36
Celing Fan	0	2	1	3
	0.00	66.67	33.33	100.00
	0.00	2.25	0.77	1.07
Fridge	3	4	3	10
	30.00	40.00	30.00	100.00
	4.84	4.49	2.31	3.56
Electric Sewing Machi	2	0	0	2
	100.00	0.00	0.00	100.00
	3.23	0.00	0.00	0.71
Electric Kettle	5	1	0	6
	83.33	16.67	0.00	100.00
	8.06	1.12	0.00	2.14
Total	62	89	130	281
	22.06	31.67	46.26	100.00
	100.00	100.00	100.00	100.00

### 6.9.2.2.1 Grid, Kenya

variable	W: Woman	M: Man	B: Both	Total
Radio	4	15	10	29
	13.79	51.72	34.48	100.00
	12.90	42.86	20.00	25.00
Mobilephones	4	1	24	29
	13.79	3.45	82.76	100.00
	12.90	2.86	48.00	25.00
Color TV	4	11	12	27
	14.81	40.74	44.44	100.00
	12.90	31.43	24.00	23.28
Blender Mixer	1	0	0	1
	100.00	0.00	0.00	100.00
	3.23	0.00	0.00	0.86
Iron	10	1	3	14
	71.43	7.14	21.43	100.00
	32.26	2.86	6.00	12.07
Fridge	3	4	1	8
	37.50	50.00	12.50	100.00
	9.68	11.43	2.00	6.90
Electric Kettle	5	1	0	6
	83.33	16.67	0.00	100.00
	16.13	2.86	0.00	5.17
Others	0	2	0	2
	0.00	100.00	0.00	100.00
	0.00	5.71	0.00	1.72
Total	31	35	50	116
	26.72	30.17	43.10	100.00
	100.00	100.00	100.00	100.00

### 6.9.2.2.2 Mini Grid, Kenya

variable	values			Total
	W: Woman	M: Man	B: Both	
Radio	4	15	10	29
	13.79	51.72	34.48	100.00
	12.90	42.86	20.00	25.00
Mobilephones	4	1	24	29
	13.79	3.45	82.76	100.00
	12.90	2.86	48.00	25.00
Color TV	4	11	12	27
	14.81	40.74	44.44	100.00
	12.90	31.43	24.00	23.28
Blender Mixer	1	0	0	1
	100.00	0.00	0.00	100.00
	3.23	0.00	0.00	0.86
Iron	10	1	3	14
	71.43	7.14	21.43	100.00
	32.26	2.86	6.00	12.07
Fridge	3	4	1	8
	37.50	50.00	12.50	100.00
	9.68	11.43	2.00	6.90
Electric Kettle	5	1	0	6
	83.33	16.67	0.00	100.00
	16.13	2.86	0.00	5.17
Others	0	2	0	2
	0.00	100.00	0.00	100.00
	0.00	5.71	0.00	1.72
Total	31	35	50	116
	26.72	30.17	43.10	100.00
	100.00	100.00	100.00	100.00

### 6.9.2.2.3 SHS only, Kenya

variable	values			Total
	W: Woman	M: Man	B: Both	
Radio	12	22	14	48
	25.00	45.83	29.17	100.00
	44.44	59.46	22.22	37.80
Mobilephones	10	7	34	51
	19.61	13.73	66.67	100.00
	37.04	18.92	53.97	40.16
Color TV	3	7	14	24
	12.50	29.17	58.33	100.00
	11.11	18.92	22.22	18.90
Iron	0	1	1	2
	0.00	50.00	50.00	100.00
	0.00	2.70	1.59	1.57
Electric Sewing Machi	2	0	0	2
	100.00	0.00	0.00	100.00
	7.41	0.00	0.00	1.57
Total	27	37	63	127
	21.26	29.13	49.61	100.00
	100.00	100.00	100.00	100.00

### 6.9.2.2.4 Batteries/ Solar Lanterns only, Kenya

variable	W: Woman	M: Man	Total
Radio	1	1	2
	50.00	50.00	100.00
	33.33	50.00	40.00
Mobilephones	2	1	3
	66.67	33.33	100.00
	66.67	50.00	60.00
Total	3	2	5
	60.00	40.00	100.00
	100.00	100.00	100.00

#### 6.9.2.2.5 Standalone generators only, Kenya.

variable	values			Total
	W: Woman	M: Man	B: Both	
Radio	1	1	2	4
	25.00	25.00	50.00	100.00
	100.00	100.00	25.00	40.00
Mobilephones	0	0	4	4
	0.00	0.00	100.00	100.00
	0.00	0.00	50.00	40.00
Color TV	0	0	2	2
	0.00	0.00	100.00	100.00
	0.00	0.00	25.00	20.00
Total	1	1	8	10
	10.00	10.00	80.00	100.00
	100.00	100.00	100.00	100.00

#### 6.9.2.2.6 No Access, Kenya

variable	values	
	B: Both	Total
Mobilephones	1	1
	100.00	100.00
	100.00	100.00
Total	1	1
	100.00	100.00
	100.00	100.00

### 6.9.2.3 India

variable	values					Total
	W: Woman	M: Man	B: Both	O: Other p	All: all	
Radio	2	9	2	0	2	15
	13.33	60.00	13.33	0.00	13.33	100.00
	5.56	7.89	5.41	0.00	1.92	5.05
Mobilephones	14	9	0	3	32	58
	24.14	15.52	0.00	5.17	55.17	100.00
	38.89	7.89	0.00	50.00	30.77	19.53
Black and White TV	3	36	13	0	5	57
	5.26	63.16	22.81	0.00	8.77	100.00
	8.33	31.58	35.14	0.00	4.81	19.19
Color TV	5	6	2	3	30	46
	10.87	13.04	4.35	6.52	65.22	100.00
	13.89	5.26	5.41	50.00	28.85	15.49
Blender Mixer	1	3	1	0	0	5
	20.00	60.00	20.00	0.00	0.00	100.00
	2.78	2.63	2.70	0.00	0.00	1.68
Iron	3	16	5	0	4	28
	10.71	57.14	17.86	0.00	14.29	100.00
	8.33	14.04	13.51	0.00	3.85	9.43
Table Fan	1	15	6	0	6	28
	3.57	53.57	21.43	0.00	21.43	100.00
	2.78	13.16	16.22	0.00	5.77	9.43
Celing Fan	0	4	2	0	24	30
	0.00	13.33	6.67	0.00	80.00	100.00
	0.00	3.51	5.41	0.00	23.08	10.10
Fridge	1	7	1	0	0	9
	11.11	77.78	11.11	0.00	0.00	100.00
	2.78	6.14	2.70	0.00	0.00	3.03
Electric Sewing Machi	5	8	5	0	0	18
	27.78	44.44	27.78	0.00	0.00	100.00
	13.89	7.02	13.51	0.00	0.00	6.06
Rice Cooker	0	1	0	0	1	2
	0.00	50.00	0.00	0.00	50.00	100.00
	0.00	0.88	0.00	0.00	0.96	0.67
Electric Kettle	1	0	0	0	0	1
	100.00	0.00	0.00	0.00	0.00	100.00
	2.78	0.00	0.00	0.00	0.00	0.34
Total	36	114	37	6	104	297
	12.12	38.38	12.46	2.02	35.02	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.2.3.1 Grid, India

variable	values				Total
	W: Woman	M: Man	B: Both	All: all	
Radio	0	1	1	2	4
	0.00	25.00	25.00	50.00	100.00
	0.00	1.72	3.23	2.41	2.17
Mobilephones	7	3	0	24	34
	20.59	8.82	0.00	70.59	100.00
	58.33	5.17	0.00	28.92	18.48
Black and White TV	0	21	12	0	33
	0.00	63.64	36.36	0.00	100.00
	0.00	36.21	38.71	0.00	17.93
Color TV	1	0	1	25	27
	3.70	0.00	3.70	92.59	100.00
	8.33	0.00	3.23	30.12	14.67
Blender Mixer	0	1	1	0	2
	0.00	50.00	50.00	0.00	100.00
	0.00	1.72	3.23	0.00	1.09
Iron	1	10	4	2	17
	5.88	58.82	23.53	11.76	100.00
	8.33	17.24	12.90	2.41	9.24
Table Fan	1	11	6	5	23
	4.35	47.83	26.09	21.74	100.00
	8.33	18.97	19.35	6.02	12.50
Celing Fan	0	2	1	24	27
	0.00	7.41	3.70	88.89	100.00
	0.00	3.45	3.23	28.92	14.67
Fridge	0	5	1	0	6
	0.00	83.33	16.67	0.00	100.00
	0.00	8.62	3.23	0.00	3.26
Electric Sewing Machi	2	3	4	0	9
	22.22	33.33	44.44	0.00	100.00
	16.67	5.17	12.90	0.00	4.89
Rice Cooker	0	1	0	1	2
	0.00	50.00	0.00	50.00	100.00
	0.00	1.72	0.00	1.20	1.09
Total	12	58	31	83	184
	6.52	31.52	16.85	45.11	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.9.2.3.2 Mini Grid, India

variable	values					Total
	W: Woman	M: Man	B: Both	O: Other p	All: all	
Radio	2	8	1	0	0	11
	18.18	72.73	9.09	0.00	0.00	100.00
	8.33	14.29	16.67	0.00	0.00	9.73
Mobilephones	7	6	0	3	8	24
	29.17	25.00	0.00	12.50	33.33	100.00
	29.17	10.71	0.00	50.00	38.10	21.24
Black and White TV	3	15	1	0	5	24
	12.50	62.50	4.17	0.00	20.83	100.00
	12.50	26.79	16.67	0.00	23.81	21.24
Color TV	4	6	1	3	5	19
	21.05	31.58	5.26	15.79	26.32	100.00
	16.67	10.71	16.67	50.00	23.81	16.81
Blender Mixer	1	2	0	0	0	3
	33.33	66.67	0.00	0.00	0.00	100.00
	4.17	3.57	0.00	0.00	0.00	2.65
Iron	2	6	1	0	2	11
	18.18	54.55	9.09	0.00	18.18	100.00
	8.33	10.71	16.67	0.00	9.52	9.73
Table Fan	0	4	0	0	1	5
	0.00	80.00	0.00	0.00	20.00	100.00
	0.00	7.14	0.00	0.00	4.76	4.42
Celing Fan	0	2	1	0	0	3
	0.00	66.67	33.33	0.00	0.00	100.00
	0.00	3.57	16.67	0.00	0.00	2.65
Fridge	1	2	0	0	0	3
	33.33	66.67	0.00	0.00	0.00	100.00
	4.17	3.57	0.00	0.00	0.00	2.65
Electric Sewing Machi	3	5	1	0	0	9
	33.33	55.56	11.11	0.00	0.00	100.00
	12.50	8.93	16.67	0.00	0.00	7.96
Electric Kettle	1	0	0	0	0	1
	100.00	0.00	0.00	0.00	0.00	100.00
	4.17	0.00	0.00	0.00	0.00	0.88
Total	24	56	6	6	21	113
	21.24	49.56	5.31	5.31	18.58	100.00
	100.00	100.00	100.00	100.00	100.00	100.00



## 6.9.3 Appliances – who decided to buy

### 6.9.3.1 Nepal

variable	values							Total
	W:Woman	M: Man	B: Both	P:Parents	PIL: Pare	O:Other p	All: all	
Decided to buy radio	4	31	1	2	0	14	0	52
	7.69	59.62	1.92	3.85	0.00	26.92	0.00	100.00
	9.30	21.99	2.17	66.67	0.00	14.74	0.00	15.07
Decided to buy mobile	17	57	37	0	0	35	13	159
	10.69	35.85	23.27	0.00	0.00	22.01	8.18	100.00
	39.53	40.43	80.43	0.00	0.00	36.84	81.25	46.09
Decided to buy color	7	26	3	0	1	21	1	59
	11.86	44.07	5.08	0.00	1.69	35.59	1.69	100.00
	16.28	18.44	6.52	0.00	100.00	22.11	6.25	17.10
Decided to buy Blende	2	0	0	0	0	2	0	4
	50.00	0.00	0.00	0.00	0.00	50.00	0.00	100.00
	4.65	0.00	0.00	0.00	0.00	2.11	0.00	1.16
Decided to buy Iron	1	3	0	0	0	2	0	6
	16.67	50.00	0.00	0.00	0.00	33.33	0.00	100.00
	2.33	2.13	0.00	0.00	0.00	2.11	0.00	1.74
Decided to buy table	2	3	0	0	0	1	0	6
	33.33	50.00	0.00	0.00	0.00	16.67	0.00	100.00
	4.65	2.13	0.00	0.00	0.00	1.05	0.00	1.74
Decided to buy celing	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.29
Decided to buy Fridge	1	3	1	0	0	1	0	6
	16.67	50.00	16.67	0.00	0.00	16.67	0.00	100.00
	2.33	2.13	2.17	0.00	0.00	1.05	0.00	1.74
Decided to buy Rice C	9	14	4	1	0	14	2	44
	20.45	31.82	9.09	2.27	0.00	31.82	4.55	100.00
	20.93	9.93	8.70	33.33	0.00	14.74	12.50	12.75
Decided to buy Electr	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.29
Decided to buy other	0	4	0	0	0	3	0	7
	0.00	57.14	0.00	0.00	0.00	42.86	0.00	100.00
	0.00	2.84	0.00	0.00	0.00	3.16	0.00	2.03
Total	43	141	46	3	1	95	16	345
	12.46	40.87	13.33	0.87	0.29	27.54	4.64	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.3.1.1 Nepal, grid

variable	values					Total
	W: Woman	M: Man	B: Both	O: Other p	All: all	
Decided to buy radio	2	9	1	11	0	23
	8.70	39.13	4.35	47.83	0.00	100.00
	7.69	15.25	3.70	18.33	0.00	13.07
Decided to buy mobile	8	24	20	20	3	75
	10.67	32.00	26.67	26.67	4.00	100.00
	30.77	40.68	74.07	33.33	75.00	42.61
Decided to buy color	5	11	3	14	1	34
	14.71	32.35	8.82	41.18	2.94	100.00
	19.23	18.64	11.11	23.33	25.00	19.32
Decided to buy Blende	2	0	0	1	0	3
	66.67	0.00	0.00	33.33	0.00	100.00
	7.69	0.00	0.00	1.67	0.00	1.70
Decided to buy Iron	1	3	0	0	0	4
	25.00	75.00	0.00	0.00	0.00	100.00
	3.85	5.08	0.00	0.00	0.00	2.27
Decided to buy table	2	2	0	1	0	5
	40.00	40.00	0.00	20.00	0.00	100.00
	7.69	3.39	0.00	1.67	0.00	2.84
Decided to buy Fridge	1	1	0	1	0	3
	33.33	33.33	0.00	33.33	0.00	100.00
	3.85	1.69	0.00	1.67	0.00	1.70
Decided to buy Rice C	5	9	3	10	0	27
	18.52	33.33	11.11	37.04	0.00	100.00
	19.23	15.25	11.11	16.67	0.00	15.34
Decided to buy other	0	0	0	2	0	2
	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	3.33	0.00	1.14
Total	26	59	27	60	4	176
	14.77	33.52	15.34	34.09	2.27	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.3.1.2 Nepal, mini-grid

variable	values							Total
	W: Woman	M: Man	B: Both	P: Parents	PIL: Pare	O: Other p	All: all	
Decided to buy radio	1	19	0	1	0	2	0	23
	4.35	82.61	0.00	4.35	0.00	8.70	0.00	100.00
	7.14	26.39	0.00	100.00	0.00	6.90	0.00	16.08
Decided to buy mobile	8	30	16	0	0	13	6	73
	10.96	41.10	21.92	0.00	0.00	17.81	8.22	100.00
	57.14	41.67	88.89	0.00	0.00	44.83	75.00	51.05
Decided to buy color	2	13	0	0	1	4	0	20
	10.00	65.00	0.00	0.00	5.00	20.00	0.00	100.00
	14.29	18.06	0.00	0.00	100.00	13.79	0.00	13.99
Decided to buy Blende	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	3.45	0.00	0.70
Decided to buy Iron	0	0	0	0	0	2	0	2
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	6.90	0.00	1.40
Decided to buy table	0	1	0	0	0	0	0	1
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	1.39	0.00	0.00	0.00	0.00	0.00	0.70
Decided to buy celing	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	3.45	0.00	0.70
Decided to buy Fridge	0	2	1	0	0	0	0	3
	0.00	66.67	33.33	0.00	0.00	0.00	0.00	100.00
	0.00	2.78	5.56	0.00	0.00	0.00	0.00	2.10
Decided to buy Rice C	3	4	1	0	0	4	2	14
	21.43	28.57	7.14	0.00	0.00	28.57	14.29	100.00
	21.43	5.56	5.56	0.00	0.00	13.79	25.00	9.79
Decided to buy Electr	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	3.45	0.00	0.70
Decided to buy other	0	3	0	0	0	1	0	4
	0.00	75.00	0.00	0.00	0.00	25.00	0.00	100.00
	0.00	4.17	0.00	0.00	0.00	3.45	0.00	2.80
Total	14	72	18	1	1	29	8	143
	9.79	50.35	12.59	0.70	0.70	20.28	5.59	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.3.1.3 Nepal, SHS only

variable	values						Total
	W:Woman	M: Man	B: Both	P:Parents	O:Other p	All: all	
Decided to buy radio	1	3	0	1	1	0	6
	16.67	50.00	0.00	16.67	16.67	0.00	100.00
	33.33	30.00	0.00	50.00	16.67	0.00	23.08
Decided to buy mobile	1	3	1	0	2	4	11
	9.09	27.27	9.09	0.00	18.18	36.36	100.00
	33.33	30.00	100.00	0.00	33.33	100.00	42.31
Decided to buy color	0	2	0	0	3	0	5
	0.00	40.00	0.00	0.00	60.00	0.00	100.00
	0.00	20.00	0.00	0.00	50.00	0.00	19.23
Decided to buy Rice C	1	1	0	1	0	0	3
	33.33	33.33	0.00	33.33	0.00	0.00	100.00
	33.33	10.00	0.00	50.00	0.00	0.00	11.54
Decided to buy other	0	1	0	0	0	0	1
	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	10.00	0.00	0.00	0.00	0.00	3.85
Total	3	10	1	2	6	4	26
	11.54	38.46	3.85	7.69	23.08	15.38	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.3.2 Kenya

variable	values				Total
	W: Woman	M: Man	B: Both	O: Other p	
Decided to buy radio	19	64	9	0	92
	20.65	69.57	9.78	0.00	100.00
	26.39	50.00	9.00	0.00	30.56
Decided to buy mobile	20	13	64	1	98
	20.41	13.27	65.31	1.02	100.00
	27.78	10.16	64.00	100.00	32.56
Decided to buy color	10	39	16	0	65
	15.38	60.00	24.62	0.00	100.00
	13.89	30.47	16.00	0.00	21.59
Decided to buy Blende	1	0	0	0	1
	100.00	0.00	0.00	0.00	100.00
	1.39	0.00	0.00	0.00	0.33
Decided to buy Iron	15	3	1	0	19
	78.95	15.79	5.26	0.00	100.00
	20.83	2.34	1.00	0.00	6.31
Decided to buy table	0	1	0	0	1
	0.00	100.00	0.00	0.00	100.00
	0.00	0.78	0.00	0.00	0.33
Decided to buy celing	0	2	1	0	3
	0.00	66.67	33.33	0.00	100.00
	0.00	1.56	1.00	0.00	1.00
Decided to buy Fridge	0	3	7	0	10
	0.00	30.00	70.00	0.00	100.00
	0.00	2.34	7.00	0.00	3.32
Decided to buy Electr	2	0	0	0	2
	100.00	0.00	0.00	0.00	100.00
	2.78	0.00	0.00	0.00	0.66
Decided to buy Electr	5	0	1	0	6
	83.33	0.00	16.67	0.00	100.00
	6.94	0.00	1.00	0.00	1.99
Decided to buy Other	0	1	0	0	1
	0.00	100.00	0.00	0.00	100.00
	0.00	0.78	0.00	0.00	0.33
Decided to buy other	0	2	1	0	3
	0.00	66.67	33.33	0.00	100.00
	0.00	1.56	1.00	0.00	1.00
Total	72	128	100	1	301
	23.92	42.52	33.22	0.33	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.9.3.2.1 Kenya, Grid

variable	values			Total
	W: Woman	M: Man	B: Both	
Decided to buy radio	7	22	2	31
	22.58	70.97	6.45	100.00
	17.50	50.00	5.13	25.20
Decided to buy mobile	6	1	24	31
	19.35	3.23	77.42	100.00
	15.00	2.27	61.54	25.20
Decided to buy color	6	16	7	29
	20.69	55.17	24.14	100.00
	15.00	36.36	17.95	23.58
Decided to buy Blende	1	0	0	1
	100.00	0.00	0.00	100.00
	2.50	0.00	0.00	0.81
Decided to buy Iron	15	0	0	15
	100.00	0.00	0.00	100.00
	37.50	0.00	0.00	12.20
Decided to buy Fridge	0	3	5	8
	0.00	37.50	62.50	100.00
	0.00	6.82	12.82	6.50
Decided to buy Electr	5	0	1	6
	83.33	0.00	16.67	100.00
	12.50	0.00	2.56	4.88
Decided to buy Other	0	1	0	1
	0.00	100.00	0.00	100.00
	0.00	2.27	0.00	0.81
Decided to buy other	0	1	0	1
	0.00	100.00	0.00	100.00
	0.00	2.27	0.00	0.81
Total	40	44	39	123
	32.52	35.77	31.71	100.00
	100.00	100.00	100.00	100.00

### 6.9.3.2.2 Kenya, Mini Grid

variable	values		Total
	M: Man	B: Both	
Decided to buy radio	6	0	6
	100.00	0.00	100.00
	33.33	0.00	21.43
Decided to buy mobile	3	3	6
	50.00	50.00	100.00
	16.67	30.00	21.43
Decided to buy color	4	2	6
	66.67	33.33	100.00
	22.22	20.00	21.43
Decided to buy Iron	1	1	2
	50.00	50.00	100.00
	5.56	10.00	7.14
Decided to buy table	1	0	1
	100.00	0.00	100.00
	5.56	0.00	3.57
Decided to buy celing	2	1	3
	66.67	33.33	100.00
	11.11	10.00	10.71
Decided to buy Fridge	0	2	2
	0.00	100.00	100.00
	0.00	20.00	7.14
Decided to buy other	1	1	2
	50.00	50.00	100.00
	5.56	10.00	7.14
Total	18	10	28
	64.29	35.71	100.00
	100.00	100.00	100.00

### 6.9.3.2.3 Kenya, SHS only

variable	values				Total
	W:Woman	M: Man	B: Both	O:Other p	
Decided to buy radio	11	31	7	0	49
	22.45	63.27	14.29	0.00	100.00
	39.29	55.36	14.58	0.00	36.84
Decided to buy mobile	12	6	34	1	53
	22.64	11.32	64.15	1.89	100.00
	42.86	10.71	70.83	100.00	39.85
Decided to buy color	3	17	7	0	27
	11.11	62.96	25.93	0.00	100.00
	10.71	30.36	14.58	0.00	20.30
Decided to buy Iron	0	2	0	0	2
	0.00	100.00	0.00	0.00	100.00
	0.00	3.57	0.00	0.00	1.50
Decided to buy Electr	2	0	0	0	2
	100.00	0.00	0.00	0.00	100.00
	7.14	0.00	0.00	0.00	1.50
Total	28	56	48	1	133
	21.05	42.11	36.09	0.75	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.9.3.2.4 Kenya, Batteries/ Solar Lanterns only

variable	values		Total
	W:Woman	M: Man	
Decided to buy radio	1	1	2
	50.00	50.00	100.00
	33.33	50.00	40.00
Decided to buy mobile	2	1	3
	66.67	33.33	100.00
	66.67	50.00	60.00
Total	3	2	5
	60.00	40.00	100.00
	100.00	100.00	100.00



#### 6.9.3.2.5 Kenya, Standalone Generator

variable	values			Total
	W: Woman	M: Man	B: Both	
Decided to buy radio	0	4	0	4
	0.00	100.00	0.00	100.00
	0.00	57.14	0.00	36.36
Decided to buy mobile	0	1	3	4
	0.00	25.00	75.00	100.00
	0.00	14.29	100.00	36.36
Decided to buy color	1	2	0	3
	33.33	66.67	0.00	100.00
	100.00	28.57	0.00	27.27
Total	1	7	3	11
	9.09	63.64	27.27	100.00
	100.00	100.00	100.00	100.00

#### 6.9.3.2.6 Kenya, Standalone Generator

variable	values	
	M: Man	Total
Decided to buy mobile	1	1
	100.00	100.00
	100.00	100.00
Total	1	1
	100.00	100.00
	100.00	100.00

### 6.9.3.3 India

variable	values							Total
	W:Woman	M: Man	B: Both	P:Parents	PIL: Pare	O:Other p	All: all	
Decided to buy radio	2	8	1	0	0	0	0	11
	18.18	72.73	9.09	0.00	0.00	0.00	0.00	100.00
	2.67	7.21	5.26	0.00	0.00	0.00	0.00	3.78
Decided to buy mobile	21	10	0	0	0	3	24	58
	36.21	17.24	0.00	0.00	0.00	5.17	41.38	100.00
	28.00	9.01	0.00	0.00	0.00	50.00	30.77	19.93
Decided to buy B&W TV	11	39	5	0	0	0	3	58
	18.97	67.24	8.62	0.00	0.00	0.00	5.17	100.00
	14.67	35.14	26.32	0.00	0.00	0.00	3.85	19.93
Decided to buy color	8	8	2	0	0	3	26	47
	17.02	17.02	4.26	0.00	0.00	6.38	55.32	100.00
	10.67	7.21	10.53	0.00	0.00	50.00	33.33	16.15
Decided to buy Blende	2	3	0	0	0	0	0	5
	40.00	60.00	0.00	0.00	0.00	0.00	0.00	100.00
	2.67	2.70	0.00	0.00	0.00	0.00	0.00	1.72
Decided to buy Iron	4	14	6	1	1	0	0	26
	15.38	53.85	23.08	3.85	3.85	0.00	0.00	100.00
	5.33	12.61	31.58	100.00	100.00	0.00	0.00	8.93
Decided to buy table	4	19	4	0	0	0	3	30
	13.33	63.33	13.33	0.00	0.00	0.00	10.00	100.00
	5.33	17.12	21.05	0.00	0.00	0.00	3.85	10.31
Decided to buy celing	7	5	1	0	0	0	20	33
	21.21	15.15	3.03	0.00	0.00	0.00	60.61	100.00
	9.33	4.50	5.26	0.00	0.00	0.00	25.64	11.34
Decided to buy Fridge	0	1	0	0	0	0	1	2
	0.00	50.00	0.00	0.00	0.00	0.00	50.00	100.00
	0.00	0.90	0.00	0.00	0.00	0.00	1.28	0.69
Decided to buy Electr	15	3	0	0	0	0	0	18
	83.33	16.67	0.00	0.00	0.00	0.00	0.00	100.00
	20.00	2.70	0.00	0.00	0.00	0.00	0.00	6.19
Decided to buy Rice C	0	1	0	0	0	0	1	2
	0.00	50.00	0.00	0.00	0.00	0.00	50.00	100.00
	0.00	0.90	0.00	0.00	0.00	0.00	1.28	0.69
Decided to buy Electr	1	0	0	0	0	0	0	1
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.34
Total	75	111	19	1	1	6	78	291
	25.77	38.14	6.53	0.34	0.34	2.06	26.80	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.3.3.1 India, Grid

variable	values					Total
	W: Woman	M: Man	B: Both	PIL: Pare	All: all	
Decided to buy radio	0	1	0	0	0	1
	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	1.56	0.00	0.00	0.00	0.56
Decided to buy mobile	9	4	0	0	20	33
	27.27	12.12	0.00	0.00	60.61	100.00
	25.00	6.25	0.00	0.00	31.25	18.44
Decided to buy B&W TV	4	25	4	0	0	33
	12.12	75.76	12.12	0.00	0.00	100.00
	11.11	39.06	28.57	0.00	0.00	18.44
Decided to buy color	4	2	0	0	21	27
	14.81	7.41	0.00	0.00	77.78	100.00
	11.11	3.13	0.00	0.00	32.81	15.08
Decided to buy Blende	1	1	0	0	0	2
	50.00	50.00	0.00	0.00	0.00	100.00
	2.78	1.56	0.00	0.00	0.00	1.12
Decided to buy Iron	2	8	5	1	0	16
	12.50	50.00	31.25	6.25	0.00	100.00
	5.56	12.50	35.71	100.00	0.00	8.94
Decided to buy table	4	15	4	0	2	25
	16.00	60.00	16.00	0.00	8.00	100.00
	11.11	23.44	28.57	0.00	3.13	13.97
Decided to buy celing	5	5	1	0	19	30
	16.67	16.67	3.33	0.00	63.33	100.00
	13.89	7.81	7.14	0.00	29.69	16.76
Decided to buy Fridge	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	1.56	0.56
Decided to buy Electr	7	2	0	0	0	9
	77.78	22.22	0.00	0.00	0.00	100.00
	19.44	3.13	0.00	0.00	0.00	5.03
Decided to buy Rice C	0	1	0	0	1	2
	0.00	50.00	0.00	0.00	50.00	100.00
	0.00	1.56	0.00	0.00	1.56	1.12
Total	36	64	14	1	64	179
	20.11	35.75	7.82	0.56	35.75	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.3.3.2 India, Mini Grid

variable	W:Woman	M: Man	B: Both	P:Parents	O:Other p	All: all	Total
Decided to buy radio	2	7	1	0	0	0	10
	20.00	70.00	10.00	0.00	0.00	0.00	100.00
	5.13	14.89	20.00	0.00	0.00	0.00	8.93
Decided to buy mobile	12	6	0	0	3	4	25
	48.00	24.00	0.00	0.00	12.00	16.00	100.00
	30.77	12.77	0.00	0.00	50.00	28.57	22.32
Decided to buy B&W TV	7	14	1	0	0	3	25
	28.00	56.00	4.00	0.00	0.00	12.00	100.00
	17.95	29.79	20.00	0.00	0.00	21.43	22.32
Decided to buy color	4	6	2	0	3	5	20
	20.00	30.00	10.00	0.00	15.00	25.00	100.00
	10.26	12.77	40.00	0.00	50.00	35.71	17.86
Decided to buy Blende	1	2	0	0	0	0	3
	33.33	66.67	0.00	0.00	0.00	0.00	100.00
	2.56	4.26	0.00	0.00	0.00	0.00	2.68
Decided to buy Iron	2	6	1	1	0	0	10
	20.00	60.00	10.00	10.00	0.00	0.00	100.00
	5.13	12.77	20.00	100.00	0.00	0.00	8.93
Decided to buy table	0	4	0	0	0	1	5
	0.00	80.00	0.00	0.00	0.00	20.00	100.00
	0.00	8.51	0.00	0.00	0.00	7.14	4.46
Decided to buy celing	2	0	0	0	0	1	3
	66.67	0.00	0.00	0.00	0.00	33.33	100.00
	5.13	0.00	0.00	0.00	0.00	7.14	2.68
Decided to buy Fridge	0	1	0	0	0	0	1
	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	2.13	0.00	0.00	0.00	0.00	0.89
Decided to buy Electr	8	1	0	0	0	0	9
	88.89	11.11	0.00	0.00	0.00	0.00	100.00
	20.51	2.13	0.00	0.00	0.00	0.00	8.04
Decided to buy Electr	1	0	0	0	0	0	1
	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	2.56	0.00	0.00	0.00	0.00	0.00	0.89
Total	39	47	5	1	6	14	112
	34.82	41.96	4.46	0.89	5.36	12.50	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

## 6.9.4 Appliances- who bought

### 6.9.4.1 Nepal

variable	values							Total
	W:Woman	M: Man	B: Both	P:Parents	PIL: Pare	O:Other p	All: all	
Bought Radio	4	32	1	2	0	13	0	52
	7.69	61.54	1.92	3.85	0.00	25.00	0.00	100.00
	8.89	19.88	4.00	66.67	0.00	13.40	0.00	15.07
Bought mobilephone	17	72	24	0	0	34	12	159
	10.69	45.28	15.09	0.00	0.00	21.38	7.55	100.00
	37.78	44.72	96.00	0.00	0.00	35.05	92.31	46.09
Bought color TV	7	27	0	0	1	24	0	59
	11.86	45.76	0.00	0.00	1.69	40.68	0.00	100.00
	15.56	16.77	0.00	0.00	100.00	24.74	0.00	17.10
Bought Blender mixer	2	0	0	0	0	2	0	4
	50.00	0.00	0.00	0.00	0.00	50.00	0.00	100.00
	4.44	0.00	0.00	0.00	0.00	2.06	0.00	1.16
Bought Iron	1	3	0	0	0	2	0	6
	16.67	50.00	0.00	0.00	0.00	33.33	0.00	100.00
	2.22	1.86	0.00	0.00	0.00	2.06	0.00	1.74
Bought table fan	2	3	0	0	0	1	0	6
	33.33	50.00	0.00	0.00	0.00	16.67	0.00	100.00
	4.44	1.86	0.00	0.00	0.00	1.03	0.00	1.74
Bought celing fan	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.29
Bought Fridge as gift	1	4	0	0	0	1	0	6
	16.67	66.67	0.00	0.00	0.00	16.67	0.00	100.00
	2.22	2.48	0.00	0.00	0.00	1.03	0.00	1.74
Bought Rice Cooker	11	16	0	1	0	15	1	44
	25.00	36.36	0.00	2.27	0.00	34.09	2.27	100.00
	24.44	9.94	0.00	33.33	0.00	15.46	7.69	12.75
Bought Electric Kettl	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.29
Bought other applianc	0	4	0	0	0	3	0	7
	0.00	57.14	0.00	0.00	0.00	42.86	0.00	100.00
	0.00	2.48	0.00	0.00	0.00	3.09	0.00	2.03
Total	45	161	25	3	1	97	13	345
	13.04	46.67	7.25	0.87	0.29	28.12	3.77	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.4.1.1 Nepal, grid

variable	values					Total
	W: Woman	M: Man	B: Both	O: Other p	All: all	
Bought Radio	2	10	1	10	0	23
	8.70	43.48	4.35	43.48	0.00	100.00
	6.90	14.29	7.14	16.67	0.00	13.07
Bought mobilephone	8	32	13	19	3	75
	10.67	42.67	17.33	25.33	4.00	100.00
	27.59	45.71	92.86	31.67	100.00	42.61
Bought color TV	6	12	0	16	0	34
	17.65	35.29	0.00	47.06	0.00	100.00
	20.69	17.14	0.00	26.67	0.00	19.32
Bought Blender mixer	2	0	0	1	0	3
	66.67	0.00	0.00	33.33	0.00	100.00
	6.90	0.00	0.00	1.67	0.00	1.70
Bought Iron	1	3	0	0	0	4
	25.00	75.00	0.00	0.00	0.00	100.00
	3.45	4.29	0.00	0.00	0.00	2.27
Bought table fan	2	2	0	1	0	5
	40.00	40.00	0.00	20.00	0.00	100.00
	6.90	2.86	0.00	1.67	0.00	2.84
Bought Fridge as gift	1	1	0	1	0	3
	33.33	33.33	0.00	33.33	0.00	100.00
	3.45	1.43	0.00	1.67	0.00	1.70
Bought Rice Cooker	7	10	0	10	0	27
	25.93	37.04	0.00	37.04	0.00	100.00
	24.14	14.29	0.00	16.67	0.00	15.34
Bought other applianc	0	0	0	2	0	2
	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	3.33	0.00	1.14
Total	29	70	14	60	3	176
	16.48	39.77	7.95	34.09	1.70	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.4.1.2 Nepal, Mini Grid

variable	values							Total
	W: Woman	M: Man	B: Both	P: Parents	PIL: Pare	O: Other p	All: all	
Bought Radio	1	19	0	1	0	2	0	23
	4.35	82.61	0.00	4.35	0.00	8.70	0.00	100.00
	7.69	23.46	0.00	100.00	0.00	6.45	0.00	16.08
Bought mobilephone	8	37	10	0	0	13	5	73
	10.96	50.68	13.70	0.00	0.00	17.81	6.85	100.00
	61.54	45.68	100.00	0.00	0.00	41.94	83.33	51.05
Bought color TV	1	13	0	0	1	5	0	20
	5.00	65.00	0.00	0.00	5.00	25.00	0.00	100.00
	7.69	16.05	0.00	0.00	100.00	16.13	0.00	13.99
Bought Blender mixer	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	3.23	0.00	0.70
Bought Iron	0	0	0	0	0	2	0	2
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	6.45	0.00	1.40
Bought table fan	0	1	0	0	0	0	0	1
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	1.23	0.00	0.00	0.00	0.00	0.00	0.70
Bought celing fan	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	3.23	0.00	0.70
Bought Fridge as gift	0	3	0	0	0	0	0	3
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	3.70	0.00	0.00	0.00	0.00	0.00	2.10
Bought Rice Cooker	3	5	0	0	0	5	1	14
	21.43	35.71	0.00	0.00	0.00	35.71	7.14	100.00
	23.08	6.17	0.00	0.00	0.00	16.13	16.67	9.79
Bought Electric Kettl	0	0	0	0	0	1	0	1
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	3.23	0.00	0.70
Bought other applianc	0	3	0	0	0	1	0	4
	0.00	75.00	0.00	0.00	0.00	25.00	0.00	100.00
	0.00	3.70	0.00	0.00	0.00	3.23	0.00	2.80
Total	13	81	10	1	1	31	6	143
	9.09	56.64	6.99	0.70	0.70	21.68	4.20	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

#### 6.9.4.1.3 Nepal, SHS only

variable	W:Woman	M: Man	B: Both	P:Parents	O:Other p	All: all	Total
Bought Radio	1	3	0	1	1	0	6
	16.67	50.00	0.00	16.67	16.67	0.00	100.00
	33.33	30.00	0.00	50.00	16.67	0.00	23.08
Bought mobilephone	1	3	1	0	2	4	11
	9.09	27.27	9.09	0.00	18.18	36.36	100.00
	33.33	30.00	100.00	0.00	33.33	100.00	42.31
Bought color TV	0	2	0	0	3	0	5
	0.00	40.00	0.00	0.00	60.00	0.00	100.00
	0.00	20.00	0.00	0.00	50.00	0.00	19.23
Bought Rice Cooker	1	1	0	1	0	0	3
	33.33	33.33	0.00	33.33	0.00	0.00	100.00
	33.33	10.00	0.00	50.00	0.00	0.00	11.54
Bought other applianc	0	1	0	0	0	0	1
	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	10.00	0.00	0.00	0.00	0.00	3.85
Total	3	10	1	2	6	4	26
	11.54	38.46	3.85	7.69	23.08	15.38	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00



### 6.9.4.2 Kenya

variable	values			Total
	W: Woman	M: Man	B: Both	
Bought Radio	18	51	7	76
	23.68	67.11	9.21	100.00
	34.62	43.59	10.61	32.34
Bought mobilephone	16	16	47	79
	20.25	20.25	59.49	100.00
	30.77	13.68	71.21	33.62
Bought color TV	8	41	6	55
	14.55	74.55	10.91	100.00
	15.38	35.04	9.09	23.40
Bought Blender mixer	1	0	0	1
	100.00	0.00	0.00	100.00
	1.92	0.00	0.00	0.43
Bought Iron	6	3	1	10
	60.00	30.00	10.00	100.00
	11.54	2.56	1.52	4.26
Bought table fan	0	1	0	1
	0.00	100.00	0.00	100.00
	0.00	0.85	0.00	0.43
Bought ceiling fan	0	2	1	3
	0.00	66.67	33.33	100.00
	0.00	1.71	1.52	1.28
Bought Fridge as gift	0	2	3	5
	0.00	40.00	60.00	100.00
	0.00	1.71	4.55	2.13
Bought Electric Sewin	2	0	0	2
	100.00	0.00	0.00	100.00
	3.85	0.00	0.00	0.85
Bought Electric Kettl	1	0	0	1
	100.00	0.00	0.00	100.00
	1.92	0.00	0.00	0.43
Bought other applianc	0	1	1	2
	0.00	50.00	50.00	100.00
	0.00	0.85	1.52	0.85
Total	52	117	66	235
	22.13	49.79	28.09	100.00
	100.00	100.00	100.00	100.00

#### 6.9.4.2.1 Kenya, Grid

variable	values			Total
	W: Woman	M: Man	B: Both	
Bought Radio	6	16	1	23
	26.09	69.57	4.35	100.00
	25.00	44.44	5.26	29.11
Bought mobilephone	5	1	17	23
	21.74	4.35	73.91	100.00
	20.83	2.78	89.47	29.11
Bought color TV	5	16	0	21
	23.81	76.19	0.00	100.00
	20.83	44.44	0.00	26.58
Bought Blender mixer	1	0	0	1
	100.00	0.00	0.00	100.00
	4.17	0.00	0.00	1.27
Bought Iron	6	1	0	7
	85.71	14.29	0.00	100.00
	25.00	2.78	0.00	8.86
Bought Fridge as gift	0	2	1	3
	0.00	66.67	33.33	100.00
	0.00	5.56	5.26	3.80
Bought Electric Kettl	1	0	0	1
	100.00	0.00	0.00	100.00
	4.17	0.00	0.00	1.27
Total	24	36	19	79
	30.38	45.57	24.05	100.00
	100.00	100.00	100.00	100.00

#### 6.9.4.2.2 Kenya, Mini Grid

variable	values		Total
	M: Man	B: Both	
Bought Radio	6	0	6
	100.00	0.00	100.00
	33.33	0.00	21.43
Bought mobilephone	3	3	6
	50.00	50.00	100.00
	16.67	30.00	21.43
Bought color TV	4	2	6
	66.67	33.33	100.00
	22.22	20.00	21.43
Bought Iron	1	1	2
	50.00	50.00	100.00
	5.56	10.00	7.14
Bought table fan	1	0	1
	100.00	0.00	100.00
	5.56	0.00	3.57
Bought celing fan	2	1	3
	66.67	33.33	100.00
	11.11	10.00	10.71
Bought Fridge as gift	0	2	2
	0.00	100.00	100.00
	0.00	20.00	7.14
Bought other applianc	1	1	2
	50.00	50.00	100.00
	5.56	10.00	7.14
Total	18	10	28
	64.29	35.71	100.00
	100.00	100.00	100.00

#### 6.9.4.2.3 Kenya, SHS only

variable	values			Total
	W: Woman	M: Man	B: Both	
Bought Radio	11	25	6	42
	26.19	59.52	14.29	100.00
	45.83	46.30	16.67	36.84
Bought mobilephone	9	9	26	44
	20.45	20.45	59.09	100.00
	37.50	16.67	72.22	38.60
Bought color TV	2	19	4	25
	8.00	76.00	16.00	100.00
	8.33	35.19	11.11	21.93
Bought Iron	0	1	0	1
	0.00	100.00	0.00	100.00
	0.00	1.85	0.00	0.88
Bought Electric Sewin	2	0	0	2
	100.00	0.00	0.00	100.00
	8.33	0.00	0.00	1.75
Total	24	54	36	114
	21.05	47.37	31.58	100.00
	100.00	100.00	100.00	100.00

#### 6.9.4.2.4 Kenya, Batteries/ Solar Lanterns only

variable	values		Total
	W: Woman	M: Man	
Bought Radio	1	1	2
	50.00	50.00	100.00
	33.33	50.00	40.00
Bought mobilephone	2	1	3
	66.67	33.33	100.00
	66.67	50.00	60.00
Total	3	2	5
	60.00	40.00	100.00
	100.00	100.00	100.00

#### 6.9.4.2.5 Kenya, Standalone generators only

variable	values			Total
	W: Woman	M: Man	B: Both	
Bought Radio	0	3	0	3
	0.00	100.00	0.00	100.00
	0.00	50.00	0.00	37.50
Bought mobilephone	0	1	1	2
	0.00	50.00	50.00	100.00
	0.00	16.67	100.00	25.00
Bought color TV	1	2	0	3
	33.33	66.67	0.00	100.00
	100.00	33.33	0.00	37.50
Total	1	6	1	8
	12.50	75.00	12.50	100.00
	100.00	100.00	100.00	100.00

#### 6.9.4.2.6 Kenya, No Access

variable	values	
	M: Man	Total
Bought mobilephone	1	1
	100.00	100.00
	100.00	100.00
Total	1	1
	100.00	100.00
	100.00	100.00

### 6.9.4.3 India

variable	values							Total
	W:Woman	M: Man	B: Both	P:Parents	PIL: Pare	O:Other p	All: all	
Bought Radio	2	10	0	0	0	0	1	13
	15.38	76.92	0.00	0.00	0.00	0.00	7.69	100.00
	3.85	7.58	0.00	0.00	0.00	0.00	1.03	4.38
Bought mobilephone	15	13	0	0	0	3	31	62
	24.19	20.97	0.00	0.00	0.00	4.84	50.00	100.00
	28.85	9.85	0.00	0.00	0.00	50.00	31.96	20.88
Bought B&W TV	14	35	2	3	0	0	4	58
	24.14	60.34	3.45	5.17	0.00	0.00	6.90	100.00
	26.92	26.52	50.00	60.00	0.00	0.00	4.12	19.53
Bought color TV	7	7	1	0	0	3	28	46
	15.22	15.22	2.17	0.00	0.00	6.52	60.87	100.00
	13.46	5.30	25.00	0.00	0.00	50.00	28.87	15.49
Bought Blender mixer	1	4	0	0	0	0	0	5
	20.00	80.00	0.00	0.00	0.00	0.00	0.00	100.00
	1.92	3.03	0.00	0.00	0.00	0.00	0.00	1.68
Bought Iron	2	17	1	1	1	0	3	25
	8.00	68.00	4.00	4.00	4.00	0.00	12.00	100.00
	3.85	12.88	25.00	20.00	100.00	0.00	3.09	8.42
Bought table fan	1	23	0	0	0	0	3	27
	3.70	85.19	0.00	0.00	0.00	0.00	11.11	100.00
	1.92	17.42	0.00	0.00	0.00	0.00	3.09	9.09
Bought celing fan	4	2	0	0	0	0	24	30
	13.33	6.67	0.00	0.00	0.00	0.00	80.00	100.00
	7.69	1.52	0.00	0.00	0.00	0.00	24.74	10.10
Bought Fridge as gift	2	7	0	0	0	0	2	11
	18.18	63.64	0.00	0.00	0.00	0.00	18.18	100.00
	3.85	5.30	0.00	0.00	0.00	0.00	2.06	3.70
Bought Electric Sewin	3	13	0	1	0	0	0	17
	17.65	76.47	0.00	5.88	0.00	0.00	0.00	100.00
	5.77	9.85	0.00	20.00	0.00	0.00	0.00	5.72
Bought Rice Cooker	0	1	0	0	0	0	1	2
	0.00	50.00	0.00	0.00	0.00	0.00	50.00	100.00
	0.00	0.76	0.00	0.00	0.00	0.00	1.03	0.67
Bought Electric Kettl	1	0	0	0	0	0	0	1
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.34
Total	52	132	4	5	1	6	97	297
	17.51	44.44	1.35	1.68	0.34	2.02	32.66	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.4.3.1 Kenya, Grid

variable	values						Total
	W:Woman	M: Man	B: Both	P:Parents	PIL: Pare	All: all	
Bought Radio	0	2	0	0	0	1	3
	0.00	66.67	0.00	0.00	0.00	33.33	100.00
	0.00	2.53	0.00	0.00	0.00	1.25	1.63
Bought mobilephone	7	3	0	0	0	24	34
	20.59	8.82	0.00	0.00	0.00	70.59	100.00
	38.89	3.80	0.00	0.00	0.00	30.00	18.48
Bought B&W TV	3	26	2	2	0	1	34
	8.82	76.47	5.88	5.88	0.00	2.94	100.00
	16.67	32.91	66.67	66.67	0.00	1.25	18.48
Bought color TV	1	2	0	0	0	24	27
	3.70	7.41	0.00	0.00	0.00	88.89	100.00
	5.56	2.53	0.00	0.00	0.00	30.00	14.67
Bought Blender mixer	0	2	0	0	0	0	2
	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	2.53	0.00	0.00	0.00	0.00	1.09
Bought Iron	0	11	1	1	1	2	16
	0.00	68.75	6.25	6.25	6.25	12.50	100.00
	0.00	13.92	33.33	33.33	100.00	2.50	8.70
Bought table fan	1	19	0	0	0	2	22
	4.55	86.36	0.00	0.00	0.00	9.09	100.00
	5.56	24.05	0.00	0.00	0.00	2.50	11.96
Bought celing fan	3	1	0	0	0	23	27
	11.11	3.70	0.00	0.00	0.00	85.19	100.00
	16.67	1.27	0.00	0.00	0.00	28.75	14.67
Bought Fridge as gift	1	5	0	0	0	2	8
	12.50	62.50	0.00	0.00	0.00	25.00	100.00
	5.56	6.33	0.00	0.00	0.00	2.50	4.35
Bought Electric Sewin	2	7	0	0	0	0	9
	22.22	77.78	0.00	0.00	0.00	0.00	100.00
	11.11	8.86	0.00	0.00	0.00	0.00	4.89
Bought Rice Cooker	0	1	0	0	0	1	2
	0.00	50.00	0.00	0.00	0.00	50.00	100.00
	0.00	1.27	0.00	0.00	0.00	1.25	1.09
Total	18	79	3	3	1	80	184
	9.78	42.93	1.63	1.63	0.54	43.48	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.4.3.1 Kenya, Mini Grid

variable	values						Total
	W:Woman	M: Man	B: Both	P:Parents	O:Other p	All: all	
Bought Radio	2	8	0	0	0	0	10
	20.00	80.00	0.00	0.00	0.00	0.00	100.00
	5.88	15.09	0.00	0.00	0.00	0.00	8.85
Bought mobilephone	8	10	0	0	3	7	28
	28.57	35.71	0.00	0.00	10.71	25.00	100.00
	23.53	18.87	0.00	0.00	50.00	41.18	24.78
Bought B&W TV	11	9	0	1	0	3	24
	45.83	37.50	0.00	4.17	0.00	12.50	100.00
	32.35	16.98	0.00	50.00	0.00	17.65	21.24
Bought color TV	6	5	1	0	3	4	19
	31.58	26.32	5.26	0.00	15.79	21.05	100.00
	17.65	9.43	100.00	0.00	50.00	23.53	16.81
Bought Blender mixer	1	2	0	0	0	0	3
	33.33	66.67	0.00	0.00	0.00	0.00	100.00
	2.94	3.77	0.00	0.00	0.00	0.00	2.65
Bought Iron	2	6	0	0	0	1	9
	22.22	66.67	0.00	0.00	0.00	11.11	100.00
	5.88	11.32	0.00	0.00	0.00	5.88	7.96
Bought table fan	0	4	0	0	0	1	5
	0.00	80.00	0.00	0.00	0.00	20.00	100.00
	0.00	7.55	0.00	0.00	0.00	5.88	4.42
Bought celing fan	1	1	0	0	0	1	3
	33.33	33.33	0.00	0.00	0.00	33.33	100.00
	2.94	1.89	0.00	0.00	0.00	5.88	2.65
Bought Fridge as gift	1	2	0	0	0	0	3
	33.33	66.67	0.00	0.00	0.00	0.00	100.00
	2.94	3.77	0.00	0.00	0.00	0.00	2.65
Bought Electric Sewin	1	6	0	1	0	0	8
	12.50	75.00	0.00	12.50	0.00	0.00	100.00
	2.94	11.32	0.00	50.00	0.00	0.00	7.08
Bought Electric Kettl	1	0	0	0	0	0	1
	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	2.94	0.00	0.00	0.00	0.00	0.00	0.88
Total	34	53	1	2	6	17	113
	30.09	46.90	0.88	1.77	5.31	15.04	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00



## 6.9.5 Appliances- who uses most

### 6.9.5.1 Nepal

variable	W:Woman	M: Man	B: Both	P:Parents	PIL: Pare	O:Other p	All: all	Total
Uses radio most	9	8	16	1	1	2	15	52
	17.31	15.38	30.77	1.92	1.92	3.85	28.85	100.00
	12.00	28.57	15.53	50.00	100.00	6.25	14.42	15.07
Uses mobilephones mos	32	16	50	1	0	22	38	159
	20.13	10.06	31.45	0.63	0.00	13.84	23.90	100.00
	42.67	57.14	48.54	50.00	0.00	68.75	36.54	46.09
Uses color TV most	8	0	19	0	0	5	27	59
	13.56	0.00	32.20	0.00	0.00	8.47	45.76	100.00
	10.67	0.00	18.45	0.00	0.00	15.63	25.96	17.10
Uses Blender mixer mo	2	0	0	0	0	0	2	4
	50.00	0.00	0.00	0.00	0.00	0.00	50.00	100.00
	2.67	0.00	0.00	0.00	0.00	0.00	1.92	1.16
Uses Iron most	1	0	2	0	0	1	2	6
	16.67	0.00	33.33	0.00	0.00	16.67	33.33	100.00
	1.33	0.00	1.94	0.00	0.00	3.13	1.92	1.74
Uses table fan most	1	0	0	0	0	0	5	6
	16.67	0.00	0.00	0.00	0.00	0.00	83.33	100.00
	1.33	0.00	0.00	0.00	0.00	0.00	4.81	1.74
Uses celing fan	0	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.29
Uses Fridge most	1	0	3	0	0	0	2	6
	16.67	0.00	50.00	0.00	0.00	0.00	33.33	100.00
	1.33	0.00	2.91	0.00	0.00	0.00	1.92	1.74
Uses Rice Cooker most	21	0	11	0	0	1	11	44
	47.73	0.00	25.00	0.00	0.00	2.27	25.00	100.00
	28.00	0.00	10.68	0.00	0.00	3.13	10.58	12.75
Uses Electric Kettle	0	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.29
Uses other appliances	0	4	2	0	0	1	0	7
	0.00	57.14	28.57	0.00	0.00	14.29	0.00	100.00
	0.00	14.29	1.94	0.00	0.00	3.13	0.00	2.03
Total	75	28	103	2	1	32	104	345
	21.74	8.12	29.86	0.58	0.29	9.28	30.14	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.5.1.1 Nepal, Grid

variable	values					Total
	W: Woman	M: Man	B: Both	O: Other p	All: all	
Uses radio most	3	2	7	0	11	23
	13.04	8.70	30.43	0.00	47.83	100.00
	6.82	33.33	11.86	0.00	20.00	13.07
Uses mobilephones mos	17	3	27	11	17	75
	22.67	4.00	36.00	14.67	22.67	100.00
	38.64	50.00	45.76	91.67	30.91	42.61
Uses color TV most	6	0	12	0	16	34
	17.65	0.00	35.29	0.00	47.06	100.00
	13.64	0.00	20.34	0.00	29.09	19.32
Uses Blender mixer mo	2	0	0	0	1	3
	66.67	0.00	0.00	0.00	33.33	100.00
	4.55	0.00	0.00	0.00	1.82	1.70
Uses Iron most	1	0	2	0	1	4
	25.00	0.00	50.00	0.00	25.00	100.00
	2.27	0.00	3.39	0.00	1.82	2.27
Uses table fan most	1	0	0	0	4	5
	20.00	0.00	0.00	0.00	80.00	100.00
	2.27	0.00	0.00	0.00	7.27	2.84
Uses Fridge most	1	0	1	0	1	3
	33.33	0.00	33.33	0.00	33.33	100.00
	2.27	0.00	1.69	0.00	1.82	1.70
Uses Rice Cooker most	13	0	9	1	4	27
	48.15	0.00	33.33	3.70	14.81	100.00
	29.55	0.00	15.25	8.33	7.27	15.34
Uses other appliances	0	1	1	0	0	2
	0.00	50.00	50.00	0.00	0.00	100.00
	0.00	16.67	1.69	0.00	0.00	1.14
Total	44	6	59	12	55	176
	25.00	3.41	33.52	6.82	31.25	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.5.1.2 Nepal, Mini Grid

variable	values						Total
	W:Woman	M: Man	B: Both	P:Parents	O:Other p	All: all	
Uses radio most	5	5	8	0	1	4	23
	21.74	21.74	34.78	0.00	4.35	17.39	100.00
	20.00	26.32	20.00	0.00	6.25	9.52	16.08
Uses mobilephones mos	13	12	21	1	9	17	73
	17.81	16.44	28.77	1.37	12.33	23.29	100.00
	52.00	63.16	52.50	100.00	56.25	40.48	51.05
Uses color TV most	1	0	7	0	4	8	20
	5.00	0.00	35.00	0.00	20.00	40.00	100.00
	4.00	0.00	17.50	0.00	25.00	19.05	13.99
Uses Blender mixer mo	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	2.38	0.70
Uses Iron most	0	0	0	0	1	1	2
	0.00	0.00	0.00	0.00	50.00	50.00	100.00
	0.00	0.00	0.00	0.00	6.25	2.38	1.40
Uses table fan most	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	2.38	0.70
Uses celing fan	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	2.38	0.70
Uses Fridge most	0	0	2	0	0	1	3
	0.00	0.00	66.67	0.00	0.00	33.33	100.00
	0.00	0.00	5.00	0.00	0.00	2.38	2.10
Uses Rice Cooker most	6	0	1	0	0	7	14
	42.86	0.00	7.14	0.00	0.00	50.00	100.00
	24.00	0.00	2.50	0.00	0.00	16.67	9.79
Uses Electric Kettle	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	2.38	0.70
Uses other appliances	0	2	1	0	1	0	4
	0.00	50.00	25.00	0.00	25.00	0.00	100.00
	0.00	10.53	2.50	0.00	6.25	0.00	2.80
Total	25	19	40	1	16	42	143
	17.48	13.29	27.97	0.70	11.19	29.37	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.5.1.3 Nepal, SHS only

variable	values							Total
	W: Woman	M: Man	B: Both	P: Parents	PIL: Pare	O: Other p	All: all	
Uses radio most	1	1	1	1	1	1	0	6
	16.67	16.67	16.67	16.67	16.67	16.67	0.00	100.00
	16.67	33.33	25.00	100.00	100.00	25.00	0.00	23.08
Uses mobilephones mos	2	1	2	0	0	2	4	11
	18.18	9.09	18.18	0.00	0.00	18.18	36.36	100.00
	33.33	33.33	50.00	0.00	0.00	50.00	57.14	42.31
Uses color TV most	1	0	0	0	0	1	3	5
	20.00	0.00	0.00	0.00	0.00	20.00	60.00	100.00
	16.67	0.00	0.00	0.00	0.00	25.00	42.86	19.23
Uses Rice Cooker most	2	0	1	0	0	0	0	3
	66.67	0.00	33.33	0.00	0.00	0.00	0.00	100.00
	33.33	0.00	25.00	0.00	0.00	0.00	0.00	11.54
Uses other appliances	0	1	0	0	0	0	0	1
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	33.33	0.00	0.00	0.00	0.00	0.00	3.85
Total	6	3	4	1	1	4	7	26
	23.08	11.54	15.38	3.85	3.85	15.38	26.92	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.5.2 Kenya

variable	values					Total
	W:Woman	M: Man	B: Both	O:Other p	All: all	
Uses radio most	28	33	24	1	4	90
	31.11	36.67	26.67	1.11	4.44	100.00
	28.87	63.46	18.60	50.00	40.00	31.03
Uses mobilephones mos	20	8	67	0	1	96
	20.83	8.33	69.79	0.00	1.04	100.00
	20.62	15.38	51.94	0.00	10.00	33.10
Uses color TV most	23	6	30	1	3	63
	36.51	9.52	47.62	1.59	4.76	100.00
	23.71	11.54	23.26	50.00	30.00	21.72
Uses Blender mixer mo	1	0	0	0	0	1
	100.00	0.00	0.00	0.00	0.00	100.00
	1.03	0.00	0.00	0.00	0.00	0.34
Uses Iron most	12	2	3	0	2	19
	63.16	10.53	15.79	0.00	10.53	100.00
	12.37	3.85	2.33	0.00	20.00	6.55
Uses table fan most	0	1	0	0	0	1
	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	1.92	0.00	0.00	0.00	0.34
Uses celing fan	0	0	2	0	0	2
	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	1.55	0.00	0.00	0.69
Uses Fridge most	6	0	2	0	0	8
	75.00	0.00	25.00	0.00	0.00	100.00
	6.19	0.00	1.55	0.00	0.00	2.76
Uses Electric Sewing	2	0	0	0	0	2
	100.00	0.00	0.00	0.00	0.00	100.00
	2.06	0.00	0.00	0.00	0.00	0.69
Uses Electric Kettle	5	0	1	0	0	6
	83.33	0.00	16.67	0.00	0.00	100.00
	5.15	0.00	0.78	0.00	0.00	2.07
Uses other appliances	0	2	0	0	0	2
	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	3.85	0.00	0.00	0.00	0.69
Total	97	52	129	2	10	290
	33.45	17.93	44.48	0.69	3.45	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.5.2.1 Kenya, Grid

variable	values					Total
	W: Woman	M: Man	B: Both	O: Other p	All: all	
Uses radio most	12	10	5	0	2	29
	41.38	34.48	17.24	0.00	6.90	100.00
	22.64	83.33	12.20	0.00	33.33	25.66
Uses mobilephones mos	5	1	23	0	0	29
	17.24	3.45	79.31	0.00	0.00	100.00
	9.43	8.33	56.10	0.00	0.00	25.66
Uses color TV most	13	0	11	1	2	27
	48.15	0.00	40.74	3.70	7.41	100.00
	24.53	0.00	26.83	100.00	33.33	23.89
Uses Blender mixer mo	1	0	0	0	0	1
	100.00	0.00	0.00	0.00	0.00	100.00
	1.89	0.00	0.00	0.00	0.00	0.88
Uses Iron most	11	0	1	0	2	14
	78.57	0.00	7.14	0.00	14.29	100.00
	20.75	0.00	2.44	0.00	33.33	12.39
Uses Fridge most	6	0	0	0	0	6
	100.00	0.00	0.00	0.00	0.00	100.00
	11.32	0.00	0.00	0.00	0.00	5.31
Uses Electric Kettle	5	0	1	0	0	6
	83.33	0.00	16.67	0.00	0.00	100.00
	9.43	0.00	2.44	0.00	0.00	5.31
Uses other appliances	0	1	0	0	0	1
	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	8.33	0.00	0.00	0.00	0.88
Total	53	12	41	1	6	113
	46.90	10.62	36.28	0.88	5.31	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.5.2.2 Kenya, Mini Grid

variable	values		Total
	M: Man	B: Both	
Uses radio most	3	3	6
	50.00	50.00	100.00
	33.33	16.67	22.22
Uses mobilephones mos	1	5	6
	16.67	83.33	100.00
	11.11	27.78	22.22
Uses color TV most	2	4	6
	33.33	66.67	100.00
	22.22	22.22	22.22
Uses Iron most	1	2	3
	33.33	66.67	100.00
	11.11	11.11	11.11
Uses table fan most	1	0	1
	100.00	0.00	100.00
	11.11	0.00	3.70
Uses celing fan	0	2	2
	0.00	100.00	100.00
	0.00	11.11	7.41
Uses Fridge most	0	2	2
	0.00	100.00	100.00
	0.00	11.11	7.41
Uses other appliances	1	0	1
	100.00	0.00	100.00
	11.11	0.00	3.70
Total	9	18	27
	33.33	66.67	100.00
	100.00	100.00	100.00

### 6.9.5.2.3 Kenya, SHS only

variable	W: Woman	M: Man	B: Both	All: all	Total
Uses radio most	14	18	15	2	49
	28.57	36.73	30.61	4.08	100.00
	35.90	64.29	23.81	66.67	36.84
Uses mobilephones mos	14	5	34	0	53
	26.42	9.43	64.15	0.00	100.00
	35.90	17.86	53.97	0.00	39.85
Uses color TV most	8	4	14	1	27
	29.63	14.81	51.85	3.70	100.00
	20.51	14.29	22.22	33.33	20.30
Uses Iron most	1	1	0	0	2
	50.00	50.00	0.00	0.00	100.00
	2.56	3.57	0.00	0.00	1.50
Uses Electric Sewing	2	0	0	0	2
	100.00	0.00	0.00	0.00	100.00
	5.13	0.00	0.00	0.00	1.50
Total	39	28	63	3	133
	29.32	21.05	47.37	2.26	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.9.5.2.4 Kenya, Batteries/ Solar Lanterns only

variable	values				Total
	W: Woman	M: Man	O: Other p	All: all	
Uses radio most	1	0	1	0	2
	50.00	0.00	50.00	0.00	100.00
	50.00	0.00	100.00	0.00	40.00
Uses mobilephones mos	1	1	0	1	3
	33.33	33.33	0.00	33.33	100.00
	50.00	100.00	0.00	100.00	60.00
Total	2	1	1	1	5
	40.00	20.00	20.00	20.00	100.00
	100.00	100.00	100.00	100.00	100.00



#### 6.9.5.2.5 Kenya, Standalone generators only

variable	W: Woman	M: Man	B: Both	Total
Uses radio most	1	2	1	4
	25.00	50.00	25.00	100.00
	33.33	100.00	16.67	36.36
Uses mobilephones mos	0	0	4	4
	0.00	0.00	100.00	100.00
	0.00	0.00	66.67	36.36
Uses color TV most	2	0	1	3
	66.67	0.00	33.33	100.00
	66.67	0.00	16.67	27.27
Total	3	2	6	11
	27.27	18.18	54.55	100.00
	100.00	100.00	100.00	100.00

#### 6.9.5.2.6 Kenya, No Access

variable	values	
	B: Both	Total
Uses mobilephones mos	1	1
	100.00	100.00
	100.00	100.00
Total	1	1
	100.00	100.00
	100.00	100.00



### 6.9.5.3 India

variable	values					Total
	W: Woman	M: Man	B: Both	O: Other p	All: all	
Uses radio most	0	2	0	0	10	12
	0.00	16.67	0.00	0.00	83.33	100.00
	0.00	9.09	0.00	0.00	4.35	4.21
Uses mobilephones mos	9	4	0	3	41	57
	15.79	7.02	0.00	5.26	71.93	100.00
	32.14	18.18	0.00	100.00	17.83	20.00
Uses B&W TV most	1	5	0	0	51	57
	1.75	8.77	0.00	0.00	89.47	100.00
	3.57	22.73	0.00	0.00	22.17	20.00
Uses color TV most	3	1	0	0	41	45
	6.67	2.22	0.00	0.00	91.11	100.00
	10.71	4.55	0.00	0.00	17.83	15.79
Uses Blender mixer mo	1	0	0	0	4	5
	20.00	0.00	0.00	0.00	80.00	100.00
	3.57	0.00	0.00	0.00	1.74	1.75
Uses Iron most	2	4	0	0	20	26
	7.69	15.38	0.00	0.00	76.92	100.00
	7.14	18.18	0.00	0.00	8.70	9.12
Uses table fan most	1	3	2	0	22	28
	3.57	10.71	7.14	0.00	78.57	100.00
	3.57	13.64	100.00	0.00	9.57	9.82
Uses celing fan	0	2	0	0	31	33
	0.00	6.06	0.00	0.00	93.94	100.00
	0.00	9.09	0.00	0.00	13.48	11.58
Uses Fridge most	1	0	0	0	1	2
	50.00	0.00	0.00	0.00	50.00	100.00
	3.57	0.00	0.00	0.00	0.43	0.70
Uses Electric Sewing	8	1	0	0	8	17
	47.06	5.88	0.00	0.00	47.06	100.00
	28.57	4.55	0.00	0.00	3.48	5.96
Uses Rice Cooker most	1	0	0	0	1	2
	50.00	0.00	0.00	0.00	50.00	100.00
	3.57	0.00	0.00	0.00	0.43	0.70
Uses Electric Kettle	1	0	0	0	0	1
	100.00	0.00	0.00	0.00	0.00	100.00
	3.57	0.00	0.00	0.00	0.00	0.35
Total	28	22	2	3	230	285
	9.82	7.72	0.70	1.05	80.70	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.5.3.1 India, Grid

variable	values					Total
	W: Woman	M: Man	B: Both	O: Other p	All: all	
Uses radio most	0	0	0	0	4	4
	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	2.63	2.21
Uses mobilephones mos	7	2	0	1	24	34
	20.59	5.88	0.00	2.94	70.59	100.00
	53.85	14.29	0.00	100.00	15.79	18.78
Uses B&W TV most	0	3	0	0	31	34
	0.00	8.82	0.00	0.00	91.18	100.00
	0.00	21.43	0.00	0.00	20.39	18.78
Uses color TV most	1	1	0	0	25	27
	3.70	3.70	0.00	0.00	92.59	100.00
	7.69	7.14	0.00	0.00	16.45	14.92
Uses Blender mixer mo	0	0	0	0	2	2
	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	1.32	1.10
Uses Iron most	1	2	0	0	13	16
	6.25	12.50	0.00	0.00	81.25	100.00
	7.69	14.29	0.00	0.00	8.55	8.84
Uses table fan most	1	3	1	0	18	23
	4.35	13.04	4.35	0.00	78.26	100.00
	7.69	21.43	100.00	0.00	11.84	12.71
Uses celing fan	0	2	0	0	28	30
	0.00	6.67	0.00	0.00	93.33	100.00
	0.00	14.29	0.00	0.00	18.42	16.57
Uses Electric Sewing	2	1	0	0	6	9
	22.22	11.11	0.00	0.00	66.67	100.00
	15.38	7.14	0.00	0.00	3.95	4.97
Uses Rice Cooker most	1	0	0	0	1	2
	50.00	0.00	0.00	0.00	50.00	100.00
	7.69	0.00	0.00	0.00	0.66	1.10
Total	13	14	1	1	152	181
	7.18	7.73	0.55	0.55	83.98	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.9.5.3.1 India, Mini Grid

variable	values					Total
	W: Woman	M: Man	B: Both	O: Other p	All: all	
Uses radio most	0	2	0	0	6	8
	0.00	25.00	0.00	0.00	75.00	100.00
	0.00	25.00	0.00	0.00	7.69	7.69
Uses mobilephones mos	2	2	0	2	17	23
	8.70	8.70	0.00	8.70	73.91	100.00
	13.33	25.00	0.00	100.00	21.79	22.12
Uses B&W TV most	1	2	0	0	20	23
	4.35	8.70	0.00	0.00	86.96	100.00
	6.67	25.00	0.00	0.00	25.64	22.12
Uses color TV most	2	0	0	0	16	18
	11.11	0.00	0.00	0.00	88.89	100.00
	13.33	0.00	0.00	0.00	20.51	17.31
Uses Blender mixer mo	1	0	0	0	2	3
	33.33	0.00	0.00	0.00	66.67	100.00
	6.67	0.00	0.00	0.00	2.56	2.88
Uses Iron most	1	2	0	0	7	10
	10.00	20.00	0.00	0.00	70.00	100.00
	6.67	25.00	0.00	0.00	8.97	9.62
Uses table fan most	0	0	1	0	4	5
	0.00	0.00	20.00	0.00	80.00	100.00
	0.00	0.00	100.00	0.00	5.13	4.81
Uses celing fan	0	0	0	0	3	3
	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	3.85	2.88
Uses Fridge most	1	0	0	0	1	2
	50.00	0.00	0.00	0.00	50.00	100.00
	6.67	0.00	0.00	0.00	1.28	1.92
Uses Electric Sewing	6	0	0	0	2	8
	75.00	0.00	0.00	0.00	25.00	100.00
	40.00	0.00	0.00	0.00	2.56	7.69
Uses Electric Kettle	1	0	0	0	0	1
	100.00	0.00	0.00	0.00	0.00	100.00
	6.67	0.00	0.00	0.00	0.00	0.96
Total	15	8	1	2	78	104
	14.42	7.69	0.96	1.92	75.00	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

6.10. Cooking and lighting source  
6.10.1 Preferred Cooking source  
6.10.1.1 Cooking source, Nepal

variable	values			Total
	Primary S	Other sou	Other sou	
Firewood	197 89.95	23 31.08	0 0.00	220 67.07
Charcoal	1 0.46	0 0.00	0 0.00	1 0.30
LPG	20 9.13	32 43.24	13 37.14	65 19.82
Electric Sockets (Gri	1 0.46	19 25.68	22 62.86	42 12.80
Total	219 100.00	74 100.00	35 100.00	328 100.00

6.10.1.2 Cooking source, Kenya

variable	values				Total
	Primary S	Other sou	Other sou	Other sou	
Firewood	139 67.15	45 27.44	9 27.27	1 14.29	194 47.20
Briquettes	1 0.48	1 0.61	1 3.03	0 0.00	3 0.73
Charcoal	57 27.54	103 62.80	7 21.21	0 0.00	167 40.63
Kerosene	0 0.00	6 3.66	11 33.33	6 85.71	23 5.60
LPG	10 4.83	9 5.49	5 15.15	0 0.00	24 5.84
Total	207 100.00	164 100.00	33 100.00	7 100.00	411 100.00

### 6.10.1.3 Cooking source, India

variable	values		Total
	Primary S	Other sou	
Firewood	204	0	204
	94.88	0.00	85.71
LPG	11	23	34
	5.12	100.00	14.29
Total	215	23	238
	100.00	100.00	100.00

## 6.10.2 Preferred Lighting source

### 6.10.2.1 Lighting source, Nepal

variable	values				Total
	Primary S	Other sou	Other sou	Other sou	
Firewood	5 2.81	20 10.64	5 38.46	1 100.00	31 8.16
Kerosene	1 0.56	4 2.13	1 7.69	0 0.00	6 1.58
Candles	0 0.00	4 2.13	3 23.08	0 0.00	7 1.84
Dry Cell Batteries	18 10.11	74 39.36	3 23.08	0 0.00	95 25.00
Solar torch (Micro)	2 1.12	5 2.66	0 0.00	0 0.00	7 1.84
Other Battery (Small	6 3.37	37 19.68	0 0.00	0 0.00	43 11.32
Electricity sockets (	146 82.02	42 22.34	0 0.00	0 0.00	188 49.47
Solar Lanterns	0 0.00	1 0.53	0 0.00	0 0.00	1 0.26
Mobile Phone torch	0 0.00	1 0.53	1 7.69	0 0.00	2 0.53
Total	178 100.00	188 100.00	13 100.00	1 100.00	380 100.00



### 6.10.2.2 Lighting source, Kenya

variable	values				Total
	1	2	3	4	
Firewood	0 0.00	2 100.00	0 0.00	0 0.00	2 100.00
Kerosene	110 73.33	35 23.33	4 2.67	1 0.67	150 100.00
Candles	0 0.00	16 84.21	2 10.53	1 5.26	19 100.00
Diesel	0 0.00	0 0.00	1 100.00	0 0.00	1 100.00
Dry Cell Batteries	0 0.00	2 100.00	0 0.00	0 0.00	2 100.00
Solar torch (Micro)	0 0.00	2 100.00	0 0.00	0 0.00	2 100.00
Car Battery	0 0.00	1 100.00	0 0.00	0 0.00	1 100.00
Other Battery (Small	1 100.00	0 0.00	0 0.00	0 0.00	1 100.00
Electricity sockets (	34 87.18	4 10.26	1 2.56	0 0.00	39 100.00
Electric Sockets (SHS	56 80.00	14 20.00	0 0.00	0 0.00	70 100.00
Stand Alone Generator	3 75.00	1 25.00	0 0.00	0 0.00	4 100.00
Solar Lanterns	3 33.33	4 44.44	2 22.22	0 0.00	9 100.00
Mobile Phone torch	0 0.00	26 57.78	16 35.56	3 6.67	45 100.00
Total	207 60.00	107 31.01	26 7.54	5 1.45	345 100.00

### 6.10.2.3 Lighting source, India

variable	values					Total
	1	2	3	4	5	
Kerosene	32	119	52	2	0	205
	15.61	58.05	25.37	0.98	0.00	100.00
LPG	1	4	2	0	0	7
	14.29	57.14	28.57	0.00	0.00	100.00
Dry Cell Batteries	5	36	3	0	0	44
	11.36	81.82	6.82	0.00	0.00	100.00
Solar torch (Micro)	1	18	0	1	0	20
	5.00	90.00	0.00	5.00	0.00	100.00
Car Battery	0	1	0	1	0	2
	0.00	50.00	0.00	50.00	0.00	100.00
Other Battery (Small	0	3	0	0	0	3
	0.00	100.00	0.00	0.00	0.00	100.00
Electricity sockets (	172	0	0	0	0	172
	100.00	0.00	0.00	0.00	0.00	100.00
Electric Sockets (SHS	1	2	0	0	0	3
	33.33	66.67	0.00	0.00	0.00	100.00
Mobile Phone torch	3	5	44	23	1	76
	3.95	6.58	57.89	30.26	1.32	100.00
Total	215	188	101	27	1	532
	40.41	35.34	18.98	5.08	0.19	100.00

## 6.11. Drudgery

### 6.11.1 Average Time spent collecting Firewood and water<sup>1314</sup>

Average <i>Weekly Hours</i> Spent Collecting Firewood	Nepal	Kenya	India
Grid	3.72 n= 80	1.82 n=14	2.75 n=75
Mini/Micro Grid	4.89 n=94	1.00 n=1	2.51 n=87
SHS	6.67 n=13	2.30 n=45	n=0
Batteries/ Solar Lanterns	4.12 n= 24	1.82 n= 7	2.11 n=9
Standalone generators	n=0	1.25 n=3	n=0
No Access	8.08 n= 6	0.93 n=92	2.04 n=22
Total	4.57 n=217	1.43 n=162	2.53 n=193

Average <i>Weekly Hours</i> Spent Collecting Water	Nepal	Kenya	India
Grid	4.95 n=81	10.19 n=32	6.07 n=83
Mini/Micro Grid	2.11 n=96	2.06 n=6	5.63 n=87
SHS	2.78 n=13	8.28 n=57	n=0
Batteries/ Solar Lanterns	7.24 n=24	11.8 n=7	12.25 n=9
Standalone generators	n=0	9.30 n=4	n=0
No Access	9.72 n=6	11.09 n=100	11.90 n=24
Total	3.96 n=220	9.90 n=206	6.85 n=203

<sup>13</sup> All figures are in numeric hours

<sup>14</sup> Categories with frequencies less than or equal to 1 are coloured in red.

## 6.11.2 Time spent collecting water

### 6.11.3 Weekly hours spent in collecting Firewood and water

#### 6.11.3.1 Weekly hours spent in collecting Firewood: Nepal<sup>15</sup>

Weekly Hours Spent Collecting Firewood	Access Category				
	Grid	Mini Grid/ Micro Gri	SHS only	Batteries/ Solar Lan	No Access
<1hr	8	4		1	
	10.00	4.26		4.17	
1hr to <2hrs	19	8	1	5	3
	23.75	8.51	7.69	20.83	50.00
2hrs to <3hrs	8	17	1	1	1
	10.00	18.09	7.69	4.17	16.67
3hrs to <4hrs	13	13	1	8	
	16.25	13.83	7.69	33.33	
4hrs to <5hrs	11	10	1	3	
	13.75	10.64	7.69	12.50	
5hrs to <10hrs	15	32	7	4	
	18.75	34.04	53.85	16.67	
10hrs to <20hrs	6	10	2	2	1
	7.50	10.64	15.38	8.33	16.67
25hrs or above					1
					16.67
Total	80	94	13	24	6
	100.00	100.00	100.00	100.00	100.00

<sup>15</sup> *ibid*

### 6.11.3.2 Weekly hours spent in collecting water: Nepal<sup>16</sup>

watertime	Access Category				No Access
	Grid Mini Grid/ Micro Gri	SHS only Batteries/ Solar Lan			
<1hr	51	45	8	6	
	62.96	46.88	61.54	25.00	
1hr to <2hrs	1	28	1	5	
	1.23	29.17	7.69	20.83	
2hrs to <3hrs	2	5			
	2.47	5.21			
3hrs to <4hrs	2	3		3	2
	2.47	3.13		12.50	33.33
4hrs to <5hrs	1	3	2	1	
	1.23	3.13	15.38	4.17	
5hrs to <10hrs	10	7		2	2
	12.35	7.29		8.33	33.33
10hrs to <20hrs	4	4	2	4	1
	4.94	4.17	15.38	16.67	16.67
20hrs to <25hrs	4				1
	4.94				16.67
25hrs or above	6	1		3	
	7.41	1.04		12.50	
Total	81	96	13	24	6
	100.00	100.00	100.00	100.00	100.00

<sup>16</sup> *ibid*

### 6.11.3.3 Weekly hours spent in collecting Firewood: Kenya<sup>17</sup>

Weekly Hours Spent Collecting Firewood	Access Category					
	Grid	Mini Grid/ Micro Gri	SHS only	Batteries/ Solar Lan	Stand alone generato	No Access
<1hr	3		8	5	1	58
	21.43		17.78	71.43	33.33	63.04
1hr to <2hrs	6	1	12		1	28
	42.86	100.00	26.67		33.33	30.43
2hrs to <3hrs	3		9		1	5
	21.43		20.00		33.33	5.43
3hrs to <4hrs			7			1
			15.56			1.09
4hrs to <5hrs	1		6	1		
	7.14		13.33	14.29		
5hrs to <10hrs	1		3	1		
	7.14		6.67	14.29		
Total	14	1	45	7	3	92
	100.00	100.00	100.00	100.00	100.00	100.00

<sup>17</sup> ibid

#### 6.11.3.4 Weekly hours spent in collecting water: Kenya<sup>18</sup>

watertime	Access Category				
	Grid Mini Grid/ Micro Gri	SHS only Batteries/ Solar Lan Stand alone generato	No Access		
<1hr	2	1	3	1	5
	6.25	16.67	5.26	25.00	5.00
1hr to <2hrs	2	1	10	1	11
	6.25	16.67	17.54	25.00	11.00
2hrs to <3hrs		3	4	1	8
		50.00	7.02	14.29	8.00
3hrs to <4hrs	4	1	7	1	9
	12.50	16.67	12.28	14.29	9.00
4hrs to <5hrs	1		1		2
	3.13		1.75		2.00
5hrs to <10hrs	6		6	1	12
	18.75		10.53	14.29	12.00
10hrs to <20hrs	14		24	3	35
	43.75		42.11	42.86	35.00
20hrs to <25hrs			1	1	10
			1.75	25.00	10.00
25hrs or above	3		1	1	8
	9.38		1.75	14.29	8.00
Total	32	6	57	7	100
	100.00	100.00	100.00	100.00	100.00

<sup>18</sup> ibid

### 6.11.3.5 Weekly hours spent in collecting Firewood: India<sup>19</sup>

Weekly Hours Spent Collecting Firewood	Access Category			
	Grid	Mini Grid/ Micro Gri	Batteries/ Solar Lan	No Access
<1hr		3 3.45		
1hr to <2hrs	3 4.00	26 29.89	1 11.11	4 18.18
2hrs to <3hrs	40 53.33	48 55.17	7 77.78	14 63.64
3hrs to <4hrs	17 22.67	4 4.60		3 13.64
4hrs to <5hrs	11 14.67	1 1.15	1 11.11	1 4.55
5hrs to <10hrs	3 4.00			
10hrs to <20hrs	1 1.33	4 4.60		
20hrs to <25hrs		1 1.15		
Total	75 100.00	87 100.00	9 100.00	22 100.00

<sup>19</sup> ibid



### 6.11.3.6 Weekly hours spent in collecting water: India<sup>20</sup>

watertime	Access Category			
	Grid	Mini Grid/ Micro Gri	Batteries/ Solar Lan	No Access
<1hr	1	2		
	1.20	2.30		
1hr to <2hrs	8	10		
	9.64	11.49		
2hrs to <3hrs	12	10		2
	14.46	11.49		8.33
3hrs to <4hrs	26	18	1	2
	31.33	20.69	11.11	8.33
4hrs to <5hrs	9	4		1
	10.84	4.60		4.17
5hrs to <10hrs	13	34	2	8
	15.66	39.08	22.22	33.33
10hrs to <20hrs	12	9	5	7
	14.46	10.34	55.56	29.17
20hrs to <25hrs	1		1	2
	1.20		11.11	8.33
25hrs or above	1			2
	1.20			8.33
Total	83	87	9	24
	100.00	100.00	100.00	100.00

<sup>20</sup> *ibid*

## 6.11.4 Other Firewood related questions

### 6.11.4.1 Who collects Firewood? : Nepal

variable	values						Total
	Woman	Man	Girls	Boys	Other wom	Other men	
B10.If firewood is co	194	16	3	0	3	1	217
	89.40	7.37	1.38	0.00	1.38	0.46	100.00
	100.00	14.29	7.89	0.00	6.98	4.76	50.58
B10.If firewood is co	0	96	13	3	26	8	146
	0.00	65.75	8.90	2.05	17.81	5.48	100.00
	0.00	85.71	34.21	14.29	60.47	38.10	34.03
B10.If firewood is co	0	0	22	7	10	6	45
	0.00	0.00	48.89	15.56	22.22	13.33	100.00
	0.00	0.00	57.89	33.33	23.26	28.57	10.49
B10.If firewood is co	0	0	0	11	1	3	15
	0.00	0.00	0.00	73.33	6.67	20.00	100.00
	0.00	0.00	0.00	52.38	2.33	14.29	3.50
B10.If firewood is co	0	0	0	0	3	1	4
	0.00	0.00	0.00	0.00	75.00	25.00	100.00
	0.00	0.00	0.00	0.00	6.98	4.76	0.93
B10.If firewood is co	0	0	0	0	0	2	2
	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	9.52	0.47
Total	194	112	38	21	43	21	429
	45.22	26.11	8.86	4.90	10.02	4.90	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

#### 6.11.4.2 Who collects Firewood? : Kenya

variable	values						Total
	N/A	Woman	Man	Girls	Boys	Other wom	
B10.If firewood is co	5	0	0	0	0	0	5
	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	0.00	0.00	1.81
B10.If firewood is co	0	148	0	0	0	0	148
	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	0.00	0.00	53.62
B10.If firewood is co	0	0	1	0	0	0	1
	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.00	0.00	0.36
B10.If firewood is co	0	0	0	94	0	0	94
	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	100.00	0.00	0.00	34.06
B10.If firewood is co	0	0	0	0	16	0	16
	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	100.00	0.00	5.80
B10.If firewood is co	0	0	0	0	0	12	12
	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	100.00	4.35
Total	5	148	1	94	16	12	276
	1.81	53.62	0.36	34.06	5.80	4.35	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

#### 6.11.4.3 Who collects Firewood? : India

variable	values							Total
	N/A	Woman	Man	Girls	Boys	Other wom	Other men	
B10.If firewood is co	3	161	31	2	0	5	1	203
	1.48	79.31	15.27	0.99	0.00	2.46	0.49	100.00
	100.00	100.00	31.31	11.11	0.00	29.41	14.29	66.12
B10.If firewood is co	0	0	68	9	0	5	2	84
	0.00	0.00	80.95	10.71	0.00	5.95	2.38	100.00
	0.00	0.00	68.69	50.00	0.00	29.41	28.57	27.36
B10.If firewood is co	0	0	0	7	0	7	2	16
	0.00	0.00	0.00	43.75	0.00	43.75	12.50	100.00
	0.00	0.00	0.00	38.89	0.00	41.18	28.57	5.21
B10.If firewood is co	0	0	0	0	2	0	2	4
	0.00	0.00	0.00	0.00	50.00	0.00	50.00	100.00
	0.00	0.00	0.00	0.00	100.00	0.00	28.57	1.30
Total	3	161	99	18	2	17	7	307
	0.98	52.44	32.25	5.86	0.65	5.54	2.28	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

#### 6.11.4.4 Firewood -collected or bought

B09.If fire wood is used for cooking, is it collected or bought?	Name of the Country			Total
	Nepal	Kenya	India	
Mainly collected	215	122	186	523
	41.11	23.33	35.56	100.00
	99.08	62.89	91.18	85.04
Bought	0	31	6	37
	0.00	83.78	16.22	100.00
	0.00	15.98	2.94	6.02
Collected and bought	2	41	12	55
	3.64	74.55	21.82	100.00
	0.92	21.13	5.88	8.94
Total	217	194	204	615
	35.28	31.54	33.17	100.00
	100.00	100.00	100.00	100.00

#### 6.11.4.5 Firewood –means of transport

##### 6.11.4.5.1 Nepal

variable	values	Total
	By foot	
B11.What is her/his m	217	217
	100.00	100.00
	100.00	100.00
Total	217	217
	100.00	100.00
	100.00	100.00

##### 6.11.4.5.2 Kenya

variable	values	Total
	By foot	
B11.What is her/his m	160	160
	100.00	100.00
	100.00	100.00
Total	160	160
	100.00	100.00
	100.00	100.00

### 6.11.4.5.3 India

variable	By foot	Bicycle	Donkey	Public tr	Total
B11.What is her/his m	146	0	0	0	146
	100.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	61.09
B11.What is her/his m	0	91	0	0	91
	0.00	100.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	38.08
B11.What is her/his m	0	0	1	0	1
	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.42
B11.What is her/his m	0	0	0	1	1
	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	100.00	0.42
Total	146	91	1	1	239
	61.09	38.08	0.42	0.42	100.00
	100.00	100.00	100.00	100.00	100.00

## 6.12. Expenditure on Electricity and Fuel<sup>21</sup>

### 6.12.1 Expenditure on Electricity- Connections

-> country = Nepal						
Variable	N	Mean	SD	Min	Max	
Expenditure on Electricity Connections	190	65.86	27.44	36.48	134.40	
-> country = Kenya						
Variable	N	Mean	SD	Min	Max	
Expenditure on Electricity Connections	91	209.72	127.64	4.95	554.40	
-> country = India						
Variable	N	Mean	SD	Min	Max	
Expenditure on Electricity Connections	88	5.25	7.79	0.15	45.00	

<sup>21</sup> All monetary figures are converted to USD from local currency at the prevailing exchange rate as of 03/2017.

### 6.12.2 Expenditure on Electricity – Fixed and Variable Consumption by country

-> country = Nepal					
Variable	N	Mean	SD	Min	Max
Fixed Electricity Consumption Expenditure (in USD)	139	0.77	0.11	0.67	1.92
Expenditure on Electricity by Consumption (in USD)	51	1.09	0.98	0.38	4.80
-> country = Kenya					
Variable	N	Mean	SD	Min	Max
Fixed Electricity Consumption Expenditure (in USD)	11	8.41	3.58	2.97	11.88
Expenditure on Electricity by Consumption (in USD)	43	6.50	3.17	1.98	14.85
-> country = India					
Variable	N	Mean	SD	Min	Max
Fixed Electricity Consumption Expenditure (in USD)	89	0.32	0.16	0.15	0.90
Expenditure on Electricity by Consumption (in USD)	81	9.55	10.20	0.78	48.38

#### 6.12.2.1 Fixed Expenditure on Electricity by access category

-> country = Nepal, accesscategory = Grid					
Variable	N	Mean	SD	Min	Max
Fixed Electricity Consumption Expenditure (in USD)	58	0.79	0.15	0.77	1.92
-> country = Nepal, accesscategory = Mini Grid/ M					
Variable	N	Mean	SD	Min	Max
Fixed Electricity Consumption Expenditure (in USD)	71	0.75	0.07	0.67	0.96
-> country = Nepal, accesscategory = SHS only					
Variable	N	Mean	SD	Min	Max
Fixed Electricity Consumption Expenditure (in USD)	10	0.78	0.07	0.67	0.96
-> country = Kenya, accesscategory = Grid					
Variable	N	Mean	SD	Min	Max
Fixed Electricity Consumption Expenditure (in USD)	2	3.96	1.40	2.97	4.95

1 Nepalese Rupee= \$0.0096; 1 Kenyan Shilling =\$0.0099; 1 Indian Rupee=\$ 0.015

```
-> country = Kenya, accesscategory = Mini Grid/ M
```

Variable	N	Mean	SD	Min	Max
Fixed Electricity Consumption Expenditure (in USD)	1	9.21	.	9.21	9.21

```
-> country = Kenya, accesscategory = SHS only
```

Variable	N	Mean	SD	Min	Max
Fixed Electricity Consumption Expenditure (in USD)	8	9.42	3.34	2.97	11.88

```
-> country = India, accesscategory = Mini Grid/ M
```

Variable	N	Mean	SD	Min	Max
Fixed Electricity Consumption Expenditure (in USD)	89	0.32	0.16	0.15	0.90

### 6.12.2.2 Metered Expenditure on Electricity by access category

```
-> country = Nepal, accesscategory = Grid
```

Variable	N	Mean	SD	Min	Max
Expenditure on Electricity by Consumption (in USD)	23	1.42	1.37	0.38	4.80

```
-> country = Nepal, accesscategory = Mini Grid/ M
```

Variable	N	Mean	SD	Min	Max
Expenditure on Electricity by Consumption (in USD)	25	0.83	0.33	0.67	2.40

```
-> country = Kenya, accesscategory = Grid
```

Variable	N	Mean	SD	Min	Max
Expenditure on Electricity by Consumption (in USD)	28	5.47	2.03	3.76	14.85

```
-> country = Kenya, accesscategory = Mini Grid/ M
```

Variable	N	Mean	SD	Min	Max
Expenditure on Electricity by Consumption (in USD)	6	7.92	3.86	4.95	14.85

```
-> country = India, accesscategory = Grid
```

Variable	N	Mean	SD	Min	Max
Expenditure on Electricity by Consumption (in USD)	81	9.55	10.20	0.78	48.38



### 6.12.3 Monthly Expenditure on Kerosene<sup>22</sup>

-> country = Nepal						
Variable	N	Mean	SD	Min	Max	
Monthly Expenditure on Kerosene	7	1.17	1.00	0.19	2.74	
-> country = Kenya						
Variable	N	Mean	SD	Min	Max	
Monthly Expenditure on Kerosene	132	2.61	1.55	0.40	9.50	
-> country = India						
Variable	N	Mean	SD	Min	Max	
Monthly Expenditure on Kerosene	175	0.65	0.19	0.24	1.17	

### 6.12.4 Monthly Expenditure on LPG

<sup>22</sup> All monetary figures are converted to USD from local currency at the prevailing exchange rate as of 03/2017.

1 Nepalese Rupee= \$0.0096; 1 Kenyan Shilling = \$0.0099; 1 Indian Rupee= \$ 0.015

-> country = Nepal						
Variable	N	Mean	SD	Min	Max	
Monthly Expenditure on LPG	65	3.20	1.24	0.58	7.20	
-> country = Kenya						
Variable	N	Mean	SD	Min	Max	
Monthly Expenditure on LPG	22	11.99	8.05	4.36	39.60	
-> country = India						
Variable	N	Mean	SD	Min	Max	
Monthly Expenditure on LPG	37	3.00	2.27	0.75	7.50	

### 6.12.5 Mode Kerosene Price

#### 12.5.1 Mode market price of Kerosene (per litre) by country (in USD)<sup>23</sup>

	n	mode
Nepal	7	.96
Kenya	154	.89
India	21	.52

#### 6.12.5.2 Mode Subsidized price of kerosene (per litre) by country (in USD)<sup>24</sup>

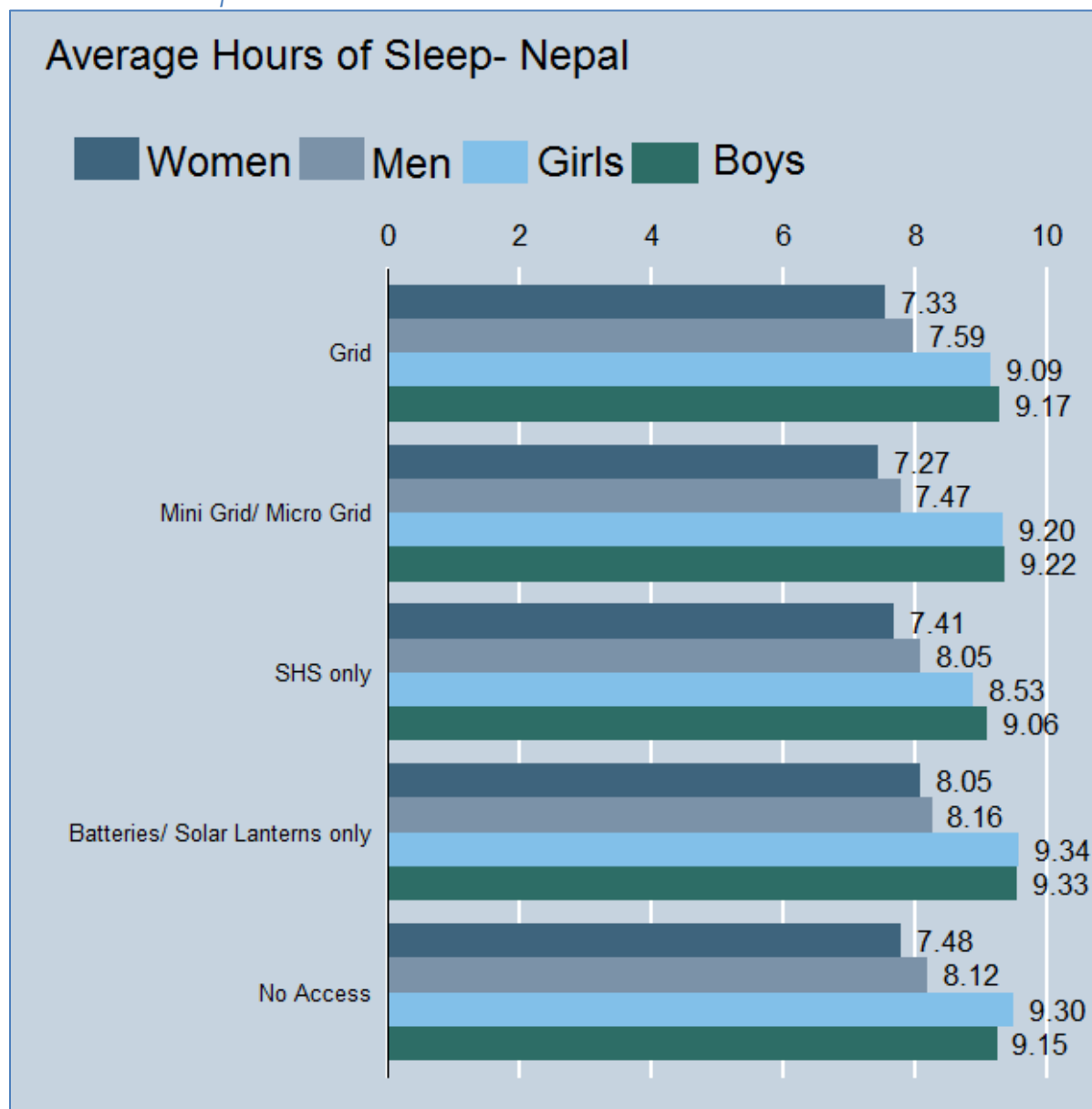
	n	mode
Kenya	77	.84
India	198	.38

<sup>23</sup> ibid

<sup>24</sup> ibid

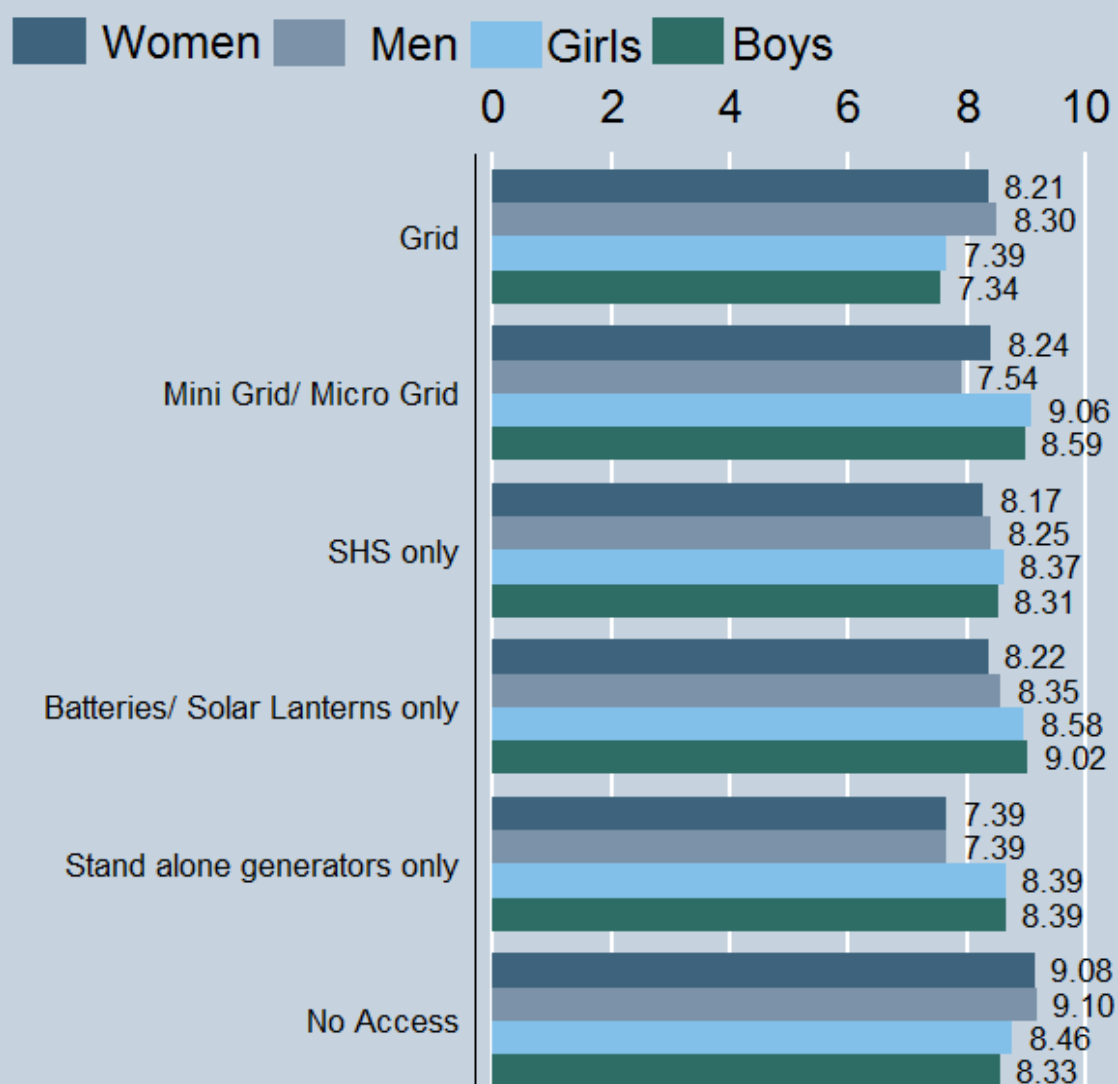
## 6.13. Average hours of Sleep<sup>25</sup>

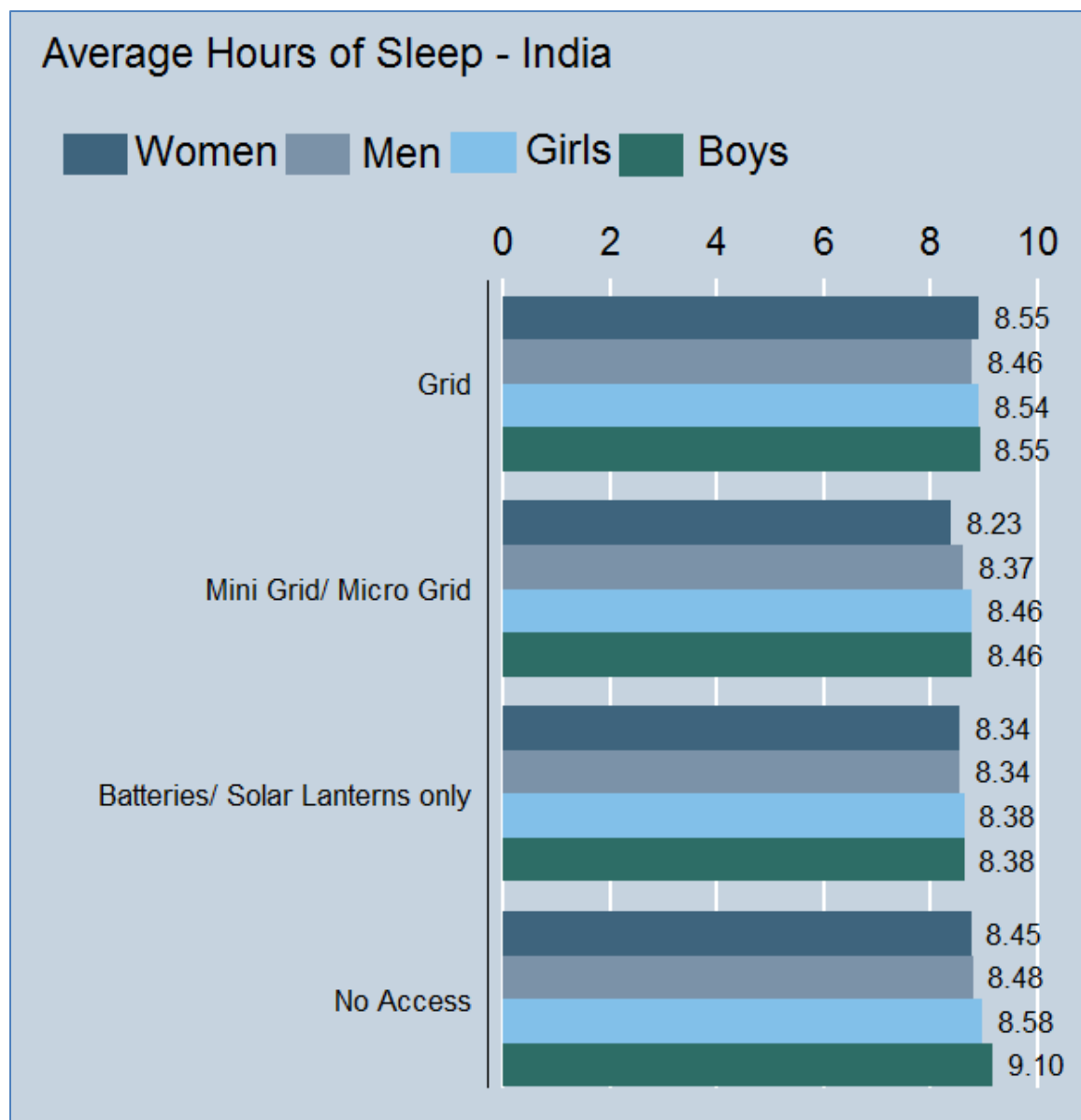
### 6.13.1 Nepal



<sup>25</sup> All figures are in numeric hours

## Average Hours of Sleep- Kenya





<sup>26</sup> Batteries/ Solar Lanterns categories includes households with only batteries in India

## 6.14. Preference of cookstove type

### 6.14.1.1 Grid Nepal

variable	values						Total
	3-stone/f	Other sel	LPG	Electric	Improved	Other	
B03.During the last 1	49	10	18	2	2	0	81
	60.49	12.35	22.22	2.47	2.47	0.00	100.00
	100.00	83.33	46.15	8.00	7.69	0.00	53.29
B03.During the last 1	0	2	21	16	7	0	46
	0.00	4.35	45.65	34.78	15.22	0.00	100.00
	0.00	16.67	53.85	64.00	26.92	0.00	30.26
B03.During the last 1	0	0	0	7	15	1	23
	0.00	0.00	0.00	30.43	65.22	4.35	100.00
	0.00	0.00	0.00	28.00	57.69	100.00	15.13
B03.During the last 1	0	0	0	0	2	0	2
	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	7.69	0.00	1.32
Total	49	12	39	25	26	1	152
	32.24	7.89	25.66	16.45	17.11	0.66	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.14.1.2 Mini Grid/ Micro Grid, Nepal

variable	values					Total
	3-stone/f	Other sel	LPG	Electric	Improved	
B03.During the last 1	87	4	5	0	0	96
	90.63	4.17	5.21	0.00	0.00	100.00
	100.00	100.00	21.74	0.00	0.00	73.28
B03.During the last 1	0	0	18	5	1	24
	0.00	0.00	75.00	20.83	4.17	100.00
	0.00	0.00	78.26	41.67	20.00	18.32
B03.During the last 1	0	0	0	7	4	11
	0.00	0.00	0.00	63.64	36.36	100.00
	0.00	0.00	0.00	58.33	80.00	8.40
Total	87	4	23	12	5	131
	66.41	3.05	17.56	9.16	3.82	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.14.1.3 SHS only, Nepal

variable	values				Total
	3-stone/f	LPG	Electric	Improved	
B03.During the last 1	12	1	0	0	13
	92.31	7.69	0.00	0.00	100.00
	100.00	100.00	0.00	0.00	81.25
B03.During the last 1	0	0	2	0	2
	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	100.00	0.00	12.50
B03.During the last 1	0	0	0	1	1
	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	100.00	6.25
Total	12	1	2	1	16
	75.00	6.25	12.50	6.25	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.14.1.4 Batteries Solar Lanterns only, Nepal

variable	values	
	3-stone/f	Total
B03.During the last 1	24	24
	100.00	100.00
	100.00	100.00
Total	24	24
	100.00	100.00
	100.00	100.00

### 6.14.1.5 No Access, Nepal

variable	values	
	3-stone/f	Total
B03.During the last 1	6	6
	100.00	100.00
	100.00	100.00
Total	6	6
	100.00	100.00
	100.00	100.00

### 6.14.2.1 Grid, Kenya

variable	values				Total
	3-stone/f	Other sel	LPG	Other	
B03.During the last 1	21	0	0	0	21
	100.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	35.59
B03.During the last 1	0	22	0	0	22
	0.00	100.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	37.29
B03.During the last 1	0	0	14	0	14
	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	100.00	0.00	23.73
B03.During the last 1	0	0	0	2	2
	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	100.00	3.39
Total	21	22	14	2	59
	35.59	37.29	23.73	3.39	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.14.2.2 Mini Grid/ Micro Grid, Kenya

variable	values		Total
	3-stone/f	Other sel	
B03.During the last 1	5	0	5
	100.00	0.00	100.00
	100.00	0.00	45.45
B03.During the last 1	0	6	6
	0.00	100.00	100.00
	0.00	100.00	54.55
Total	5	6	11
	45.45	54.55	100.00
	100.00	100.00	100.00



### 6.14.2.3 SHS only, Kenya

variable	values				Total
	3-stone/f	Other sel	LPG	Other	
B03.During the last 1	58	0	0	0	58
	100.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	53.70
B03.During the last 1	0	47	0	0	47
	0.00	100.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	43.52
B03.During the last 1	0	0	2	0	2
	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	100.00	0.00	1.85
B03.During the last 1	0	0	0	1	1
	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	100.00	0.93
Total	58	47	2	1	108
	53.70	43.52	1.85	0.93	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.14.2.4 Batteries/ Solar Lanterns, Kenya

variable	values		Total
	3-stone/f	Other sel	
B03.During the last 1	7	0	7
	100.00	0.00	100.00
	100.00	0.00	58.33
B03.During the last 1	0	5	5
	0.00	100.00	100.00
	0.00	100.00	41.67
Total	7	5	12
	58.33	41.67	100.00
	100.00	100.00	100.00

### 6.14.2.5 Standalone generators only, Kenya

variable	values			Total
	3-stone/f	Other sel	LPG	
B03.During the last 1	3	0	0	3
	100.00	0.00	0.00	100.00
	100.00	0.00	0.00	37.50
B03.During the last 1	0	4	0	4
	0.00	100.00	0.00	100.00
	0.00	100.00	0.00	50.00
B03.During the last 1	0	0	1	1
	0.00	0.00	100.00	100.00
	0.00	0.00	100.00	12.50
Total	3	4	1	8
	37.50	50.00	12.50	100.00
	100.00	100.00	100.00	100.00

### 6.14.2.6 Standalone generators only, Kenya

variable	values		Total
	3-stone/f	Other sel	
B03.During the last 1	96	0	96
	100.00	0.00	100.00
	100.00	0.00	61.15
B03.During the last 1	0	61	61
	0.00	100.00	100.00
	0.00	100.00	38.85
Total	96	61	157
	61.15	38.85	100.00
	100.00	100.00	100.00

### 6.14.3.1 Grid, India

variable	values		Total
	Other sel	LPG	
B03.During the last 1	72	0	72
	100.00	0.00	100.00
	100.00	0.00	70.59
B03.During the last 1	0	30	30
	0.00	100.00	100.00
	0.00	100.00	29.41
Total	72	30	102
	70.59	29.41	100.00
	100.00	100.00	100.00

### 6.14.3.2 Mini Grid/ Micro Grid, India

variable	values				Total
	3-stone/f	Other sel	Manufactu	LPG	
B03.During the last 1	2	0	0	0	2
	100.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	2.11
B03.During the last 1	0	80	0	0	80
	0.00	100.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	84.21
B03.During the last 1	0	0	1	0	1
	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	100.00	0.00	1.05
B03.During the last 1	0	0	0	12	12
	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	100.00	12.63
Total	2	80	1	12	95
	2.11	84.21	1.05	12.63	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.14.3.3 Batteries only, India

variable	values		Total
	Other sel	LPG	
B03.During the last 1	8	0	8
	100.00	0.00	100.00
	100.00	0.00	80.00
B03.During the last 1	0	2	2
	0.00	100.00	100.00
	0.00	100.00	20.00
Total	8	2	10
	80.00	20.00	100.00
	100.00	100.00	100.00

#### 6.14.3.4 No Access, India

variable	values		Total
	3-stone/f	Other sel	
B03.During the last 1	3	0	3
	100.00	0.00	100.00
	100.00	0.00	12.00
B03.During the last 1	0	22	22
	0.00	100.00	100.00
	0.00	100.00	88.00
Total	3	22	25
	12.00	88.00	100.00
	100.00	100.00	100.00

### 6.15. Electricity related ownership and responsibilities

#### 6.15.1 Subscriber

In whose name is the subscription (1=Woman, 2=Man, 3=Both, 4=Other)	Name of the Country			Total
	Nepal	Kenya	India	
Woman	23	13	7	43
	53.49	30.23	16.28	100.00
	12.11	14.94	4.58	10.00
Man	167	71	129	367
	45.50	19.35	35.15	100.00
	87.89	81.61	84.31	85.35
Jointly	0	1	15	16
	0.00	6.25	93.75	100.00
	0.00	1.15	9.80	3.72
Other	0	2	2	4
	0.00	50.00	50.00	100.00
	0.00	2.30	1.31	0.93
Total	190	87	153	430
	44.19	20.23	35.58	100.00
	100.00	100.00	100.00	100.00

### 6.15.2 Who paid for the connection

B29.Who in the household paid to get the connection (1=Woman, 2=Man, 3=Both, 4=P	Name of the Country			Total
	Nepal	Kenya	India	
Woman	22	12	6	40
	55.00	30.00	15.00	100.00
	11.58	13.04	4.51	9.64
Man	136	58	109	303
	44.88	19.14	35.97	100.00
	71.58	63.04	81.95	73.01
Jointly	32	16	16	64
	50.00	25.00	25.00	100.00
	16.84	17.39	12.03	15.42
Parents/in-laws	0	1	1	2
	0.00	50.00	50.00	100.00
	0.00	1.09	0.75	0.48
Other	0	5	1	6
	0.00	83.33	16.67	100.00
	0.00	5.43	0.75	1.45
Total	190	92	133	415
	45.78	22.17	32.05	100.00
	100.00	100.00	100.00	100.00

### 6.15.3 Who covers the cost of consumption

B32.Who in the household covers the cost of electricity consumption?	Name of the Country			Total
	Nepal	Kenya	India	
Woman	25	8	7	40
	62.50	20.00	17.50	100.00
	13.16	14.55	4.73	10.18
Man	90	24	138	252
	35.71	9.52	54.76	100.00
	47.37	43.64	93.24	64.12
Both	48	18	3	69
	69.57	26.09	4.35	100.00
	25.26	32.73	2.03	17.56
Other	27	5	0	32
	84.38	15.63	0.00	100.00
	14.21	9.09	0.00	8.14
Total	190	55	148	393
	48.35	13.99	37.66	100.00
	100.00	100.00	100.00	100.00

#### 6.15.4 Who goes to pay bill

B33. Who in the household goes to pay the bill?	Name of the Country			Total
	Nepal	Kenya	India	
Woman	9	9	3	21
	42.86	42.86	14.29	100.00
	6.00	19.57	3.49	7.45
Man	25	26	71	122
	20.49	21.31	58.20	100.00
	16.67	56.52	82.56	43.26
Both	11	11	8	30
	36.67	36.67	26.67	100.00
	7.33	23.91	9.30	10.64
Other	105	0	4	109
	96.33	0.00	3.67	100.00
	70.00	0.00	4.65	38.65
Total	150	46	86	282
	53.19	16.31	30.50	100.00
	100.00	100.00	100.00	100.00

## 6.16. Choice of rooms with lights and related decision

### 6.16.1 Nepal

variable	values									Total
	Kitchen	Entrance/	Living ro	Bedroom	Toilet	Storage r	Cowshed	Outside	Other loc	
B05.If Grid/Mini-grid	126	1	35	28	0	0	0	0	0	190
	66.32	0.53	18.42	14.74	0.00	0.00	0.00	0.00	0.00	100.00
	100.00	5.88	70.00	18.42	0.00	0.00	0.00	0.00	0.00	33.87
B05.If Grid/Mini-grid	0	16	12	103	0	1	3	34	3	172
	0.00	9.30	6.98	59.88	0.00	0.58	1.74	19.77	1.74	100.00
	0.00	94.12	24.00	67.76	0.00	5.00	11.11	24.46	16.67	30.66
B05.If Grid/Mini-grid	0	0	3	18	6	11	10	66	2	116
	0.00	0.00	2.59	15.52	5.17	9.48	8.62	56.90	1.72	100.00
	0.00	0.00	6.00	11.84	50.00	55.00	37.04	47.48	11.11	20.68
B05.If Grid/Mini-grid	0	0	0	3	4	3	7	24	8	49
	0.00	0.00	0.00	6.12	8.16	6.12	14.29	48.98	16.33	100.00
	0.00	0.00	0.00	1.97	33.33	15.00	25.93	17.27	44.44	8.73
B05.If Grid/Mini-grid	0	0	0	0	2	4	2	7	3	18
	0.00	0.00	0.00	0.00	11.11	22.22	11.11	38.89	16.67	100.00
	0.00	0.00	0.00	0.00	16.67	20.00	7.41	5.04	16.67	3.21
B05.If Grid/Mini-grid	0	0	0	0	0	1	5	2	0	8
	0.00	0.00	0.00	0.00	0.00	12.50	62.50	25.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	5.00	18.52	1.44	0.00	1.43
B05.If Grid/Mini-grid	0	0	0	0	0	0	0	6	0	6
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.32	0.00	1.07
B05.If Grid/Mini-grid	0	0	0	0	0	0	0	0	2	2
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.36
Total	126	17	50	152	12	20	27	139	18	561
	22.46	3.03	8.91	27.09	2.14	3.57	4.81	24.78	3.21	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.16.1.1 Nepal, Grid

variable	values									Total
	Kitchen	Entrance/	Living ro	Bedroom	Toilet	Storage r	Cowshed	Outside	Other loc	
B05.If Grid/Mini-grid	53	0	14	14	0	0	0	0	0	81
	65.43	0.00	17.28	17.28	0.00	0.00	0.00	0.00	0.00	100.00
B05.If Grid/Mini-grid	0	8	2	44	0	0	2	19	1	76
	0.00	10.53	2.63	57.89	0.00	0.00	2.63	25.00	1.32	100.00
B05.If Grid/Mini-grid	0	0	3	7	3	7	4	25	0	49
	0.00	0.00	6.12	14.29	6.12	14.29	8.16	51.02	0.00	100.00
B05.If Grid/Mini-grid	0	0	0	3	4	3	4	8	4	26
	0.00	0.00	0.00	11.54	15.38	11.54	15.38	30.77	15.38	100.00
B05.If Grid/Mini-grid	0	0	0	0	2	4	2	5	0	13
	0.00	0.00	0.00	0.00	15.38	30.77	15.38	38.46	0.00	100.00
B05.If Grid/Mini-grid	0	0	0	0	0	1	5	2	0	8
	0.00	0.00	0.00	0.00	0.00	12.50	62.50	25.00	0.00	100.00
B05.If Grid/Mini-grid	0	0	0	0	0	0	0	6	0	6
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
B05.If Grid/Mini-grid	0	0	0	0	0	0	0	0	2	2
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
Total	53	8	19	68	9	15	17	65	7	261
	20.31	3.07	7.28	26.05	3.45	5.75	6.51	24.90	2.68	100.00



### 6.16.1.2 Nepal, Mini grid

variable	Kitchen	Entrance/	Living ro	Bedroom	Toilet	Storage r	Cowshed	Outside	Other loc	Total
B05.If Grid/Mini-grid	60 62.50	1 1.04	21 21.88	14 14.58	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	96 100.00
B05.If Grid/Mini-grid	0 0.00	7 8.43	8 9.64	51 61.45	0 0.00	0 0.00	1 1.20	14 16.87	2 2.41	83 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	10 17.24	3 5.17	2 3.45	5 8.62	37 63.79	1 1.72	58 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	3 14.29	14 66.67	4 19.05	21 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2 40.00	3 60.00	5 100.00
Total	60 22.81	8 3.04	29 11.03	75 28.52	3 1.14	2 0.76	9 3.42	67 25.48	10 3.80	263 100.00

### 6.16.1.3 SHS only, Nepal

variable	N/A	Kitchen	Entrance/	Bedroom	Cow shed	Outside	Total
B07.In which rooms ar	1 7.69	11 84.62	0 0.00	1 7.69	0 0.00	0 0.00	13 100.00
B07.In which rooms ar	0 0.00	0 0.00	1 10.00	4 40.00	1 10.00	4 40.00	10 100.00
B07.In which rooms ar	0 0.00	0 0.00	0 0.00	0 0.00	2 100.00	0 0.00	2 100.00
B07.In which rooms ar	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 100.00	1 100.00
Total	1 3.85	11 42.31	1 3.85	5 19.23	3 11.54	5 19.23	26 100.00

#### 6.16.1.4 Solar Lanterns only, Nepal

variable	values		Total
	Living ro	Bedroom	
B07.In which rooms ar	1 50.00	1 50.00	2 100.00
B07.In which rooms ar	0 0.00	1 100.00	1 100.00
Total	1 33.33	2 66.67	3 100.00

## 6.16.2 Kenya

variable	values									Total
	Kitchen	Entrance/	Living ro	Bedroom	Toilet	Storage r	Cowshed	Outside	Other loc	
B05.If Grid/Mini-grid	23	0	0	0	0	0	0	0	0	23
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.07
B05.If Grid/Mini-grid	0	19	0	0	0	0	0	0	0	19
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.80
B05.If Grid/Mini-grid	0	0	38	0	0	0	0	0	0	38
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	21.59
B05.If Grid/Mini-grid	0	0	0	37	0	0	0	0	0	37
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	21.02
B05.If Grid/Mini-grid	0	0	0	0	13	0	0	0	0	13
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	7.39
B05.If Grid/Mini-grid	0	0	0	0	0	24	0	0	0	24
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	13.64
B05.If Grid/Mini-grid	0	0	0	0	0	0	1	0	0	1
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.57
B05.If Grid/Mini-grid	0	0	0	0	0	0	0	15	0	15
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	8.52
B05.If Grid/Mini-grid	0	0	0	0	0	0	0	0	6	6
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	3.41
Total	23	19	38	37	13	24	1	15	6	176
	13.07	10.80	21.59	21.02	7.39	13.64	0.57	8.52	3.41	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.16.2.1 Grid, Kenya

variable	values								Total
	Kitchen	Entrance/	Living ro	Bedroom	Toilet	Storage r	Outside	Other loc	
B05.If Grid/Mini-grid	17 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	17 100.00
B05.If Grid/Mini-grid	0 0.00	19 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	19 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	32 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	32 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	31 100.00	0 0.00	0 0.00	0 0.00	0 0.00	31 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	13 100.00	0 0.00	0 0.00	0 0.00	13 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	21 100.00	0 0.00	0 0.00	21 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	11 100.00	0 0.00	11 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	6 100.00	6 100.00
Total	17 11.33	19 12.67	32 21.33	31 20.67	13 8.67	21 14.00	11 7.33	6 4.00	150 100.00

### 6.16.2.2 Mini Grid, Kenya

variable	Kitchen	Living ro	Bedroom	Storage r	Cowshed	Outside	Total
B05.If Grid/Mini-grid	6 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	6 100.00
B05.If Grid/Mini-grid	0 0.00	6 100.00	0 0.00	0 0.00	0 0.00	0 0.00	6 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	6 100.00	0 0.00	0 0.00	0 0.00	6 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	3 100.00	0 0.00	0 0.00	3 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	1 100.00	0 0.00	1 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	4 100.00	4 100.00
Total	6 23.08	6 23.08	6 23.08	3 11.54	1 3.85	4 15.38	26 100.00

### 6.16.2.3 Solar Home Systems, Kenya

variable	Kitchen	Entrance/	Living ro	Bedroom	Storage r	Cow shed	Outside	Total
B07.In which rooms ar	3 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	3 100.00
B07.In which rooms ar	0 0.00	2 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2 100.00
B07.In which rooms ar	0 0.00	0 0.00	5 100.00	0 0.00	0 0.00	0 0.00	0 0.00	5 100.00
B07.In which rooms ar	0 0.00	0 0.00	0 0.00	4 100.00	0 0.00	0 0.00	0 0.00	4 100.00
B07.In which rooms ar	0 0.00	0 0.00	0 0.00	0 0.00	2 100.00	0 0.00	0 0.00	2 100.00
B07.In which rooms ar	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 100.00	0 0.00	1 100.00
B07.In which rooms ar	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 100.00	1 100.00
Total	3 16.67	2 11.11	5 27.78	4 22.22	2 11.11	1 5.56	1 5.56	18 100.00

### 6.16.2.3 Solar Lanterns, Kenya

variable	values			Total
	Kitchen	Living ro	Bedroom	
B07.In which rooms ar	2 100.00	0 0.00	0 0.00	2 100.00
B07.In which rooms ar	0 0.00	5 100.00	0 0.00	5 100.00
B07.In which rooms ar	0 0.00	0 0.00	2 100.00	2 100.00
Total	2 22.22	5 55.56	2 22.22	9 100.00

### 6.16.3 India

variable	Kitchen	Entrance/	Living ro	Bedroom	Toilet	Storage r	Cowshed	Outside	Other loc	Total
B05.If Grid/Mini-grid	145	0	0	0	0	0	0	0	0	145
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.70
B05.If Grid/Mini-grid	0	94	0	0	0	0	0	0	0	94
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.31
B05.If Grid/Mini-grid	0	0	111	0	0	0	0	0	0	111
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	20.44
B05.If Grid/Mini-grid	0	0	0	151	0	0	0	0	0	151
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	27.81
B05.If Grid/Mini-grid	0	0	0	0	14	0	0	0	0	14
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	2.58
B05.If Grid/Mini-grid	0	0	0	0	0	10	0	0	0	10
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	1.84
B05.If Grid/Mini-grid	0	0	0	0	0	0	5	0	0	5
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.92
B05.If Grid/Mini-grid	0	0	0	0	0	0	0	8	0	8
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	1.47
B05.If Grid/Mini-grid	0	0	0	0	0	0	0	0	5	5
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.92
Total	145	94	111	151	14	10	5	8	5	543
	26.70	17.31	20.44	27.81	2.58	1.84	0.92	1.47	0.92	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.16.3.1 Grid, India

variable	values									Total
	Kitchen	Entrance/	Living ro	Bedroom	Toilet	Storage r	Cowshed	Outside	Other loc	
B05.If Grid/Mini-grid	68 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	68 100.00
B05.If Grid/Mini-grid	0 0.00	50 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	50 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	44 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	44 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	67 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	67 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	5 100.00	0 0.00	0 0.00	0 0.00	0 0.00	5 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 100.00	0 0.00	0 0.00	0 0.00	1 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 100.00	0 0.00	0 0.00	1 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 100.00	0 0.00	1 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 100.00	1 100.00
Total	68 28.57	50 21.01	44 18.49	67 28.15	5 2.10	1 0.42	1 0.42	1 0.42	1 0.42	238 100.00



### 6.16.3.2 Mini Grid, India

variable	values									Total
	Kitchen	Entrance/	Living ro	Bedroom	Toilet	Storage r	Cowshed	Outside	Other loc	
B05.If Grid/Mini-grid	77 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	77 100.00
B05.If Grid/Mini-grid	0 0.00	44 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	44 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	67 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	67 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	84 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	84 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	9 100.00	0 0.00	0 0.00	0 0.00	0 0.00	9 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	9 100.00	0 0.00	0 0.00	0 0.00	9 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	4 100.00	0 0.00	0 0.00	4 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	7 100.00	0 0.00	7 100.00
B05.If Grid/Mini-grid	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	4 100.00	4 100.00
Total	77 25.25	44 14.43	67 21.97	84 27.54	9 2.95	9 2.95	4 1.31	7 2.30	4 1.31	305 100.00

#### 6.16.4 Who decided in which rooms lights be put- Grid /Mini Grid

B06.If Grid/Mini-grid: Who in the household decided most on where to put up the	Name of the Country			Total
	Nepal	Kenya	India	
Women	18	5	9	32
	56.25	15.63	28.13	100.00
	9.73	13.16	11.69	10.67
Man	87	6	46	139
	62.59	4.32	33.09	100.00
	47.03	15.79	59.74	46.33
Jointly	55	26	22	103
	53.40	25.24	21.36	100.00
	29.73	68.42	28.57	34.33
Parents/ in Laws	5	0	0	5
	100.00	0.00	0.00	100.00
	2.70	0.00	0.00	1.67
Others	20	1	0	21
	95.24	4.76	0.00	100.00
	10.81	2.63	0.00	7.00
Total	185	38	77	300
	61.67	12.67	25.67	100.00
	100.00	100.00	100.00	100.00

#### 6.16.4.1 Nepal

Access Category and B06.If Grid/Mini-grid: Who in the household decided most on where to put up the	Freq. ____000000	
Grid		
Woman	7	8.75
Man	38	47.50
Jointly	23	28.75
Parents/in-laws	1	1.25
Other	11	13.75
Mini Grid/ Micro Grid		
Woman	10	10.53
Man	44	46.32
Jointly	30	31.58
Parents/in-laws	2	2.11
Other	9	9.47
SHS only		
Woman	1	10.00
Man	5	50.00
Jointly	2	20.00
Parents/in-laws	2	20.00
Other		

#### 6.16.4.2 Kenya

Access Category and B06.If Grid/Mini-grid: Who in the household decided most on where to put up the	Freq. ____000000	
Grid		
Woman	5	15.63
Man	2	6.25
Jointly	25	78.13
Other		
Mini Grid/ Micro Grid		
Woman		
Man	4	66.67
Jointly	1	16.67
Other	1	16.67

#### 6.16.4.3 India

Access Category and B06.If Grid/Mini-grid: Who in the household decided most on where to put up the	Freq. ____000000	
Grid		
Women	2	11.76
Man	10	58.82
Jointly	5	29.41
Mini Grid/ Micro Grid		
Women	7	11.67
Man	36	60.00
Jointly	17	28.33

#### 6.16.4.4 Who decided in which rooms lights be put- Solar Lantern<sup>27</sup>

B07. Who in the family tends to decide most on when and where these light sources	Name of the Country and Type of Electricity Access		
	Nepal		
	Grid	Mini Grid+SHS	Some or No Access
You	4 16.00	6 25.00	1 50.00
Your spouse	4 16.00	4 16.67	1 50.00
Both spouse/joint decision	14 56.00	12 50.00	
Other men	3 12.00	2 8.33	
B07. Who in the family tends to decide most on when and where these light sources	Name of the Country and Type of Electricity Access		
	Kenya		
	Grid	Mini Grid+SHS	Some or No Access
You			
Your spouse			
Both spouse/joint decision			2 100.00
Other men			

<sup>27</sup> Indian sample households do not keep Solar Lanterns

## 6.16.5 Type of blub/ light source preferred

### 6.16.5.1 Nepal

variable	values			Total
	Incandesc	Compact f	LED	
B34.What type of ligh	46	52	92	190
	24.21	27.37	48.42	100.00
	100.00	82.54	66.67	76.92
B34.What type of ligh	0	11	40	51
	0.00	21.57	78.43	100.00
	0.00	17.46	28.99	20.65
B34.What type of ligh	0	0	6	6
	0.00	0.00	100.00	100.00
	0.00	0.00	4.35	2.43
Total	46	63	138	247
	18.62	25.51	55.87	100.00
	100.00	100.00	100.00	100.00

### 6.16.5.2 Kenya

variable	values		Total
	Compact f	LED	
B34.What type of ligh	22	0	22
	100.00	0.00	100.00
	100.00	0.00	22.00
B34.What type of ligh	0	78	78
	0.00	100.00	100.00
	0.00	100.00	78.00
Total	22	78	100
	22.00	78.00	100.00
	100.00	100.00	100.00

### 6.16.5.3 India

variable	values			Total
	Incandesc	Compact f	LED	
B34.What type of ligh	35	0	0	35
	100.00	0.00	0.00	100.00
	100.00	0.00	0.00	14.52
B34.What type of ligh	0	59	0	59
	0.00	100.00	0.00	100.00
	0.00	100.00	0.00	24.48
B34.What type of ligh	0	0	147	147
	0.00	0.00	100.00	100.00
	0.00	0.00	100.00	61.00
Total	35	59	147	241
	14.52	24.48	61.00	100.00
	100.00	100.00	100.00	100.00

## 6.17. Food scarcity

### 6.17.1.1 Food scarcity in last 12 months-Nepal

A29. For how long periods during the last 12 months did this hh not have enough	A04. Marital status of the respondent				
	Single	Married	Divorced	Widowed	Total
Never	5 100.00	189 98.44	1 100.00	22 100.00	217 98.64
A few days/weeks		1 0.52			1 0.45
1-2 months		2 1.04			2 0.91
Total	5 100.00	192 100.00	1 100.00	22 100.00	220 100.00

### 6.17.1.2 Food scarcity in last 12 months-Kenya

A29. For how long periods during the last 12 months did this hh not have enough	A04. Marital status of the respondent				
	Single	Married	Divorced	Widowed	Total
Never	3 100.00	61 42.96	3 50.00	8 14.29	75 36.23
A few days/weeks		81 57.04	3 50.00	42 75.00	126 60.87
1-2 months				4 7.14	4 1.93
3 months or more				1 1.79	1 0.48
Always food shortage				1 1.79	1 0.48
Total	3 100.00	142 100.00	6 100.00	56 100.00	207 100.00



### 6.17.1.3 Food scarcity in last 12 months-India

A29. For how long periods during the last 12 months did this hh not have enough	A04. Marital status of the respondent				
	Single	Married	Divorced	Widowed	Total
Never	2 100.00	175 100.00	2 100.00	29 100.00	208 100.00
Total	2 100.00	175 100.00	2 100.00	29 100.00	208 100.00

### 6.17.2.1 Nepal – Who goes to bed empty stomach?

A04. Marital status of the respondent	A30. In times of food scarcity, who in the household are most likely to go to bed empty stomach			
	Women	All	No one	Total
Single			5 2.30	5 2.27
Married	1 100.00	2 100.00	189 87.10	192 87.27
Divorced			1 0.46	1 0.45
Widowed			22 10.14	22 10.00
Total	1 100.00	2 100.00	217 100.00	220 100.00

### 6.17.2.2 Kenya – Who goes to bed empty stomach?

A04. Marital status of the responde nt	A30. In times of food scarcity, who in the household are most likely to go to be						
	Women	Men	Girls	Boys	Other Man and Women	No one	Total
Single						1	1
						1.82	0.58
Married	52	10	1		7	5	45
	57.78	90.91	50.00		100.00	100.00	81.82
Divorced	3					3	6
	3.33					5.45	3.51
Widowed	35	1	1	1		6	44
	38.89	9.09	50.00	100.00		10.91	25.73
Total	90	11	2	1	7	5	55
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.17.2.3 India – Who goes to bed empty stomach?

A04. Marital status of the responde nt	A30. In times of food scarcity, who in the household are most likely to go to be	
	No one	Total
Single	2 1.21	2 1.21
Married	142 86.06	142 86.06
Divorced	1 0.61	1 0.61
Widowed	20 12.12	20 12.12
Total	165 100.00	165 100.00

## 6.18. Type of access by gender and marital status

### 6.18.1 Nepal

A03. Gender of the respondent and Access Category		A04. Marital status of the respondent				
		Single	Married	Divorced	Widowed	Total
Female						
	Grid		57		3	60
			41.01		16.67	37.27
	Mini Grid/ Micro Grid	2	55		9	66
		50.00	39.57		50.00	40.99
	SHS only	2	8		1	11
		50.00	5.76		5.56	6.83
	Batteries/ Solar Lanterns only		16		5	21
			11.51		27.78	13.04
	No Access		3			3
			2.16			1.86
	Total	4	139		18	161
		100.00	100.00		100.00	100.00
Male						
	Grid		19		2	21
			35.85		50.00	35.59
	Mini Grid/ Micro Grid		29	1		30
			54.72	100.00		50.85
	SHS only		2			2
			3.77			3.39
	Batteries/ Solar Lanterns only	1	1		1	3
		100.00	1.89		25.00	5.08
	No Access		2		1	3
			3.77		25.00	5.08
	Total	1	53	1	4	59
		100.00	100.00	100.00	100.00	100.00

### 6.18.2 Kenya

A03. Gender of the respondent and Access Category		A04. Marital status of the respondent				
		Single	Married	Divorced	Widowed	Total
Female						
	Grid		15	1	5	21
			15.96	25.00	9.43	13.91
	Mini Grid/ Micro Grid		3			3
			3.19			1.99
	SHS only		29	1	7	37
			30.85	25.00	13.21	24.50
	Batteries/ Solar Lanterns only		4	1	1	6
			4.26	25.00	1.89	3.97
	Stand alone generators only		2			2
			2.13			1.32
	No Access		41	1	40	82
			43.62	25.00	75.47	54.30
	Total		94	4	53	151
			100.00	100.00	100.00	100.00
Male						
	Grid		11			11
			22.92			19.64
	Mini Grid/ Micro Grid	1	2			3
		33.33	4.17			5.36
	SHS only		20	1		21
			41.67	50.00		37.50
	Batteries/ Solar Lanterns only		1			1
			2.08			1.79
	Stand alone generators only		2			2
			4.17			3.57
	No Access	2	12	1	3	18
		66.67	25.00	50.00	100.00	32.14
	Total	3	48	2	3	56
		100.00	100.00	100.00	100.00	100.00

### 6.18.3 India

A03. Gender of the respondent and Access Category	A04. Marital status of the respondent				
	Single	Married	Divorced	Widowed	Total
Female					
	Grid	1 50.00	61 49.19	9 37.50	71 47.02
	Mini Grid/ Micro Grid	1 50.00	51 41.13	1 100.00	7 29.17
	Batteries/ Solar Lanterns only		5 4.03	1 4.17	6 3.97
	No Access		7 5.65	7 29.17	14 9.27
	Total	2 100.00	124 100.00	1 100.00	24 100.00
Male					
	Grid		19 32.76	1 20.00	20 31.25
	Mini Grid/ Micro Grid		27 46.55	4 80.00	31 48.44
	Batteries/ Solar Lanterns only		3 5.17		3 4.69
	No Access		9 15.52	1 100.00	10 15.63
	Total		58 100.00	1 100.00	5 100.00

### 6.19. Years since Access

yearssinceacces ss	Name of the Country			Total
	Nepal	Kenya	India	
less than 1 yr	0	0	29	29
	0.00	0.00	100.00	100.00
	0.00	0.00	16.20	6.22
1yr to<5yrs	63	79	33	175
	36.00	45.14	18.86	100.00
	33.51	79.80	18.44	37.55
5yrs to<10yrs	123	15	10	148
	83.11	10.14	6.76	100.00
	65.43	15.15	5.59	31.76
10yrs to<20yrs	2	5	53	60
	3.33	8.33	88.33	100.00
	1.06	5.05	29.61	12.88
>=20yrs	0	0	54	54
	0.00	0.00	100.00	100.00
	0.00	0.00	30.17	11.59
Total	188	99	179	466
	40.34	21.24	38.41	100.00
	100.00	100.00	100.00	100.00

#### 6.19.1 Grid by Countries

yearssinceacces ss	Name of the Country			
	Nepal	Kenya	India	Total
1yr to<5yrs	53	23	10	86
	65.43	71.88	11.36	42.79
5yrs to<10yrs	28	8	10	46
	34.57	25.00	11.36	22.89
10yrs to<20yrs		1	15	16
		3.13	17.05	7.96
>=20yrs			53	53
			60.23	26.37
Total	81	32	88	201
	100.00	100.00	100.00	100.00

### 6.19.2 Mini Grid by Countries

yearssinceacces	Name of the Country			
	Nepal	Kenya	India	Total
less than 1 yr			29	29
			31.87	15.10
1yr to<5yrs	8	4	23	35
	8.33	80.00	25.27	18.23
5yrs to<10yrs	86	1		87
	89.58	20.00		45.31
10yrs to<20yrs	2		38	40
	2.08		41.76	20.83
>=20yrs			1	1
			1.10	0.52
Total	96	5	91	192
	100.00	100.00	100.00	100.00

### 6.19.3 SHS only by Countries

yearssinceacces	Name of the Country			
	Nepal	Kenya	India	Total
less than 1 yr			29	29
			31.87	15.10
1yr to<5yrs	8	4	23	35
	8.33	80.00	25.27	18.23
5yrs to<10yrs	86	1		87
	89.58	20.00		45.31
10yrs to<20yrs	2		38	40
	2.08		41.76	20.83
>=20yrs			1	1
			1.10	0.52
Total	96	5	91	192
	100.00	100.00	100.00	100.00

#### 6.19.4 Batteries/ Solar Lanterns only

yearssinceaccess	Name of the Country	
	Kenya	Total
1yr to<5yrs	4 100.00	4 100.00
Total	4 100.00	4 100.00

#### 6.19.5 Standalone generators only

yearssinceaccess	Name of the Country	
	Kenya	Total
1yr to<5yrs	2 50.00	2 50.00
5yrs to<10yrs	2 50.00	2 50.00
Total	4 100.00	4 100.00



## 6.20. Correlations with years of access

### 6.20.1.1 Years since Access and number of Children (Fertility) –All countries

	B27 Totalc~n	
B27	1.0000	
	466	
Totalchild~n	-0.1874	1.0000
	0.0000	
	466	642

### 6.20.1.2 Years since Access and percentage enrolled Children- All countries

	B27 perenr~d	
B27	1.0000	
	466	
perenrolled	-0.2171	1.0000
	0.0000	
	360	510

### 6.20.2.1 Years since Access and number of Children (Fertility) –Nepal

	B27 Totalc~n	
B27	1.0000	
	188	
Totalchild~n	0.0052	1.0000
	0.9438	
	188	220

### 6.20.2.2 Years since Access and percentage enrolled Children-Nepal

```
-> country = Nepal
```

	B27 perenr~d	
B27	1.0000	
	188	
perenrolled	0.0650	1.0000
	0.4406	
	143	171

### 6.20.3.1 Years since Access and number of Children (Fertility) –Kenya

	B27 Totalc~n	
B27	1.0000	
	99	
Totalchild~n	-0.0460	1.0000
	0.6510	
	99	207

### 6.20.3.2 Years since Access and percentage enrolled Children- Kenya

```
-> country = Kenya
```

	B27 perenr~d	
B27	1.0000	
	99	
perenrolled	0.0726	1.0000
	0.4824	
	96	194

#### 6.20.4.1 Years since Access and number of Children (Fertility) –India

	B27 Totalc~n	
B27	1.0000	
	179	
Totalchild~n	-0.0124	1.0000
	0.8691	
	179	215

#### 6.20.4.2 Years since Access and percentage enrolled Children- India

-> country = India		
	B27 perenr~d	
B27	1.0000	
	179	
perenrolled	-0.1810	1.0000
	0.0470	
	121	145

## 6.21. Participation in committee or groups

### Nepal, Women

Access Category	C01.Is women family member in this hh a member of a group or committee in this c		Total
	Yes	No	
Grid	68	12	80
	85.00	15.00	100.00
	37.57	33.33	36.87
Mini Grid/ Micro Grid	81	15	96
	84.38	15.63	100.00
	44.75	41.67	44.24
SHS only	12	1	13
	92.31	7.69	100.00
	6.63	2.78	5.99
Batteries/ Solar Lant	17	6	23
	73.91	26.09	100.00
	9.39	16.67	10.60
No Access	3	2	5
	60.00	40.00	100.00
	1.66	5.56	2.30
Total	181	36	217
	83.41	16.59	100.00
	100.00	100.00	100.00

### Nepal,

### Men

Access Category	C01.Is men family member in this hh a member of a group or committee in this com		Total
	Yes	No	
Grid	29	48	77
	37.66	62.34	100.00
	34.12	38.71	36.84
Mini Grid/ Micro Grid	46	44	90
	51.11	48.89	100.00
	54.12	35.48	43.06
SHS only	6	7	13
	46.15	53.85	100.00
	7.06	5.65	6.22
Batteries/ Solar Lant	3	21	24
	12.50	87.50	100.00
	3.53	16.94	11.48
No Access	1	4	5
	20.00	80.00	100.00
	1.18	3.23	2.39
Total	85	124	209
	40.67	59.33	100.00
	100.00	100.00	100.00

## Kenya, Women

Access Category	C01.Is women family member in this hh a member of a group or committee in this c		Total
	Yes	No	
Grid	28	0	28
	100.00	0.00	100.00
	22.76	0.00	15.05
Mini Grid/ Micro Grid	5	0	5
	100.00	0.00	100.00
	4.07	0.00	2.69
SHS only	34	17	51
	66.67	33.33	100.00
	27.64	26.98	27.42
Batteries/ Solar Lant	4	3	7
	57.14	42.86	100.00
	3.25	4.76	3.76
Stand alone generator	2	2	4
	50.00	50.00	100.00
	1.63	3.17	2.15
No Access	50	41	91
	54.95	45.05	100.00
	40.65	65.08	48.92
Total	123	63	186
	66.13	33.87	100.00
	100.00	100.00	100.00

## Kenya, Men

Access Category	C01.Is men family member in this hh a member of a group or committee in this com		Total
	Yes	No	
Grid	23	3	26
	88.46	11.54	100.00
	24.47	6.98	18.98
Mini Grid/ Micro Grid	5	1	6
	83.33	16.67	100.00
	5.32	2.33	4.38
SHS only	36	9	45
	80.00	20.00	100.00
	38.30	20.93	32.85
Batteries/ Solar Lant	2	3	5
	40.00	60.00	100.00
	2.13	6.98	3.65
Stand alone generator	3	1	4
	75.00	25.00	100.00
	3.19	2.33	2.92
No Access	25	26	51
	49.02	50.98	100.00
	26.60	60.47	37.23
Total	94	43	137
	68.61	31.39	100.00
	100.00	100.00	100.00

### India, Women

Access Category	C01.Is women family member in this hh a member of a group or committee in this c		Total
	Yes	No	
Grid	5	81	86
	5.81	94.19	100.00
	41.67	42.19	42.16
Mini Grid/ Micro Grid	6	85	91
	6.59	93.41	100.00
	50.00	44.27	44.61
Batteries/ Solar Lant	0	7	7
	0.00	100.00	100.00
	0.00	3.65	3.43
No Access	1	19	20
	5.00	95.00	100.00
	8.33	9.90	9.80
Total	12	192	204
	5.88	94.12	100.00
	100.00	100.00	100.00

### India, men

Access Category	C01.Is men family member in this hh a member of a group or committee in this com		Total
	Yes	No	
Grid	50	37	87
	57.47	42.53	100.00
	45.87	38.14	42.23
Mini Grid/ Micro Grid	58	31	89
	65.17	34.83	100.00
	53.21	31.96	43.20
Batteries/ Solar Lant	0	9	9
	0.00	100.00	100.00
	0.00	9.28	4.37
No Access	1	20	21
	4.76	95.24	100.00
	0.92	20.62	10.19
Total	109	97	206
	52.91	47.09	100.00
	100.00	100.00	100.00

## 6.22. Electoral rights

### 6.22.1 Electoral rights - Women

Access Category and C02.Women in this hh voted during the last political election?		Name of the Country Nepal      India      Total		
Grid				
	Yes	61	84	145
		76.25	100.00	88.41
	No	19		19
		23.75		11.59
	Total	80	84	164
		100.00	100.00	100.00
Mini Grid/ Micro Grid				
	Yes	81	89	170
		85.26	100.00	92.39
	No	14		14
		14.74		7.61
	Total	95	89	184
		100.00	100.00	100.00
SHS only				
	Yes	9		9
		69.23		69.23
	No	4		4
		30.77		30.77
	Total	13		13
		100.00		100.00
Batteries/ Solar Lanterns only				
	Yes	20	9	29
		86.96	100.00	90.63
	No	3		3
		13.04		9.38
	Total	23	9	32
		100.00	100.00	100.00
No Access				
	Yes	4	21	25
		80.00	91.30	89.29
	No	1	2	3
		20.00	8.70	10.71
	Total	5	23	28
		100.00	100.00	100.00

### 6.22.2 Electoral rights - Men

Access Category and C02.men in this hh voted during the last political election?		Name of the Country		
		Nepal	India	Total
Grid				
	Yes	63 81.82	85 98.84	148 90.80
	No	14 18.18	1 1.16	15 9.20
	Total	77 100.00	86 100.00	163 100.00
Mini Grid/ Micro Grid				
	Yes	71 80.68	88 97.78	159 89.33
	No	17 19.32	2 2.22	19 10.67
	Total	88 100.00	90 100.00	178 100.00
SHS only				
	Yes	12 92.31		12 92.31
	No	1 7.69		1 7.69
	Total	13 100.00		13 100.00
Batteries/ Solar Lanterns only				
	Yes	18 78.26	9 100.00	27 84.38
	No	5 21.74		5 15.63
	Total	23 100.00	9 100.00	32 100.00
No Access				
	Yes	5 100.00	17 89.47	22 91.67
	No		2 10.53	2 8.33
	Total	5 100.00	19 100.00	24 100.00



## 6.23. Perceptions on equal capabilities

### 6.23.1 Nepal, Perception on equal capabilities

Access Category	A03. Gender of the respondent and C03.If they were given equal education and opportunities, do you think that wome							
	Female				Male			
	Yes	No	Don't know	Total	Yes	No	Don't know	Total
Grid	59 37.34		1 50.00	60 37.27	21 38.18			21 35.59
Mini Grid/ Micro Grid	65 41.14	1 100.00		66 40.99	28 50.91	2 66.67		30 50.85
SHS only	11 6.96			11 6.83	1 1.82	1 33.33		2 3.39
Batteries/ Solar Lanterns only	20 12.66		1 50.00	21 13.04	3 5.45			3 5.08
No Access	3 1.90			3 1.86	2 3.64		1 100.00	3 5.08
Total	158 100.00	1 100.00	2 100.00	161 100.00	55 100.00	3 100.00	1 100.00	59 100.00

### 6.23.2 Kenya, Perception on equal capabilities

Access Category	A03. Gender of the respondent and C03.If they were given equal education and opportunities, do you think that wome							
	Female				Male			
	Yes	No	Don't know	Total	Yes	No	Don't know	Total
Grid	21 15.33			21 13.91	11 22.00			11 20.00
Mini Grid/ Micro Grid	3 2.19			3 1.99	3 6.00			3 5.45
SHS only	33 24.09	4 30.77		37 24.50	20 40.00	1 20.00		21 38.18
Batteries/ Solar Lanterns only	6 4.38			6 3.97	1 2.00			1 1.82
Stand alone generators only	2 1.46			2 1.32	2 4.00			2 3.64
No Access	72 52.55	9 69.23	1 100.00	82 54.30	13 26.00	4 80.00		17 30.91
Total	137 100.00	13 100.00	1 100.00	151 100.00	50 100.00	5 100.00		55 100.00

### 6.23.3 India, Perception on equal capabilities

Access Category	A03. Gender of the respondent and C03.If they were given equal education and opportunities, do you think that wome							
	Female				Male			
	Yes	No	Don't know	Total	Yes	No	Don't know	Total
Grid	51 42.86	14 70.00	1 25.00	66 46.15	17 30.91	3 42.86		20 32.26
Mini Grid/ Micro Grid	49 41.18	6 30.00	2 50.00	57 39.86	25 45.45	4 57.14		29 46.77
Batteries/ Solar Lanterns only	6 5.04			6 4.20	3 5.45			3 4.84
No Access	13 10.92		1 25.00	14 9.79	10 18.18			10 16.13
Total	119 100.00	20 100.00	4 100.00	143 100.00	55 100.00	7 100.00		62 100.00

## 6.24. Perception on Domestic Violence

### 6.24.1 Nepal, Perceptions on Domestic Violence

Access Category	A03. Gender of the respondent and C04.Do you think that a husband may sometimes been titled to beat his spouse if					
	Female			Male		
	Yes	No	Total	Yes	No	Total
Grid		60	60		21	21
		37.50	37.27		36.21	35.59
Mini Grid/ Micro Grid	1	65	66	1	29	30
	100.00	40.63	40.99	100.00	50.00	50.85
SHS only		11	11		2	2
		6.88	6.83		3.45	3.39
Batteries/ Solar Lanterns only		21	21		3	3
		13.13	13.04		5.17	5.08
No Access		3	3		3	3
		1.88	1.86		5.17	5.08
Total	1	160	161	1	58	59
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.24.2 Kenya, Perceptions on Domestic Violence

Access Category	A03. Gender of the respondent and C04.Do you think that a husband may sometimes been titled to beat his spouse if							
	Female				Male			
	Yes	No	Don't know	Total	Yes	No	Don't know	Total
Grid	7 9.59	14 18.42		21 13.91	4 12.50	7 30.43		11 19.64
Mini Grid/ Micro Grid	3 4.11			3 1.99	3 9.38			3 5.36
SHS only	15 20.55	22 28.95		37 24.50	12 37.50	9 39.13		21 37.50
Batteries/ Solar Lanterns only	2 2.74	4 5.26		6 3.97	1 3.13			1 1.79
Stand alone generators only	1 1.37	1 1.32		2 1.32	1 3.13	1 4.35		2 3.57
No Access	45 61.64	35 46.05	2 100.00	82 54.30	11 34.38	6 26.09	1 100.00	18 32.14
Total	73 100.00	76 100.00	2 100.00	151 100.00	32 100.00	23 100.00	1 100.00	56 100.00

### 6.24.3 India, Perceptions on Domestic Violence

Access Category	A03. Gender of the respondent and C04.Do you think that a husband may sometimes been titled to beat his spouse if							
	Female				Male			
	Yes	No	Don't know	Total	Yes	No	Don't know	Total
Grid	43 44.33	8 26.67		51 39.53	12 28.57	3 20.00		15 26.32
Mini Grid/ Micro Grid	47 48.45	10 33.33	2 100.00	59 45.74	24 57.14	5 33.33		29 50.88
Batteries/ Solar Lanterns only	4 4.12	2 6.67		6 4.65		3 20.00		3 5.26
No Access	3 3.09	10 33.33		13 10.08	6 14.29	4 26.67		10 17.54
Total	97 100.00	30 100.00	2 100.00	129 100.00	42 100.00	15 100.00		57 100.00

## 6.25. Permissions

### 6.25.1 Permissions, Nepal

#### 6.25.1.1 Purchase major Item

Access Category	A03. Gender of the respondent and C05.does a wife need permission from her husband when she wants to purchase a ma					
	Female			Male		
	Yes	No	Total	Yes	No	Total
Grid	53 38.13	7 31.82	60 37.27	19 35.85	2 33.33	21 35.59
Mini Grid/ Micro Grid	56 40.29	10 45.45	66 40.99	28 52.83	2 33.33	30 50.85
SHS only	10 7.19	1 4.55	11 6.83	2 3.77		2 3.39
Batteries/ Solar Lanterns only	18 12.95	3 13.64	21 13.04	2 3.77	1 16.67	3 5.08
No Access	2 1.44	1 4.55	3 1.86	2 3.77	1 16.67	3 5.08
Total	139 100.00	22 100.00	161 100.00	53 100.00	6 100.00	59 100.00

#### 6.25.1.2 Town/village center on market day

Access Category	A03. Gender of the respondent and C05.does a wife need permission from her husband when she wants to go to a town/							
	Female				Male			
	Yes	No	Don't know	Total	Yes	No	Don't know	Total
Grid	50 40.00	10 27.78		60 37.27	19 37.25	2 28.57		21 35.59
Mini Grid/ Micro Grid	51 40.80	15 41.67		66 40.99	26 50.98	3 42.86	1 100.00	30 50.85
SHS only	10 8.00	1 2.78		11 6.83	2 3.92			2 3.39
Batteries/ Solar Lanterns only	13 10.40	8 22.22		21 13.04	2 3.92	1 14.29		3 5.08
No Access	1 0.80	2 5.56		3 1.86	2 3.92	1 14.29		3 5.08
Total	125 100.00	36 100.00		161 100.00	51 100.00	7 100.00	1 100.00	59 100.00

### 6.25.1.3 To visit a doctor or visit her parents at home, or obtain remittances/vouchers

Access Category	A03. Gender of the respondent and C05.does a wife need permission from her husband when she wants to travel to vis					
	Female			Male		
	Yes	No	Total	Yes	No	Total
Grid	49 38.89	11 31.43	60 37.27	17 35.42	4 36.36	21 35.59
Mini Grid/ Micro Grid	51 40.48	15 42.86	66 40.99	25 52.08	5 45.45	30 50.85
SHS only	10 7.94	1 2.86	11 6.83	2 4.17		2 3.39
Batteries/ Solar Lanterns only	15 11.90	6 17.14	21 13.04	2 4.17	1 9.09	3 5.08
No Access	1 0.79	2 5.71	3 1.86	2 4.17	1 9.09	3 5.08
Total	126 100.00	35 100.00	161 100.00	48 100.00	11 100.00	59 100.00

### 6.25.1.4 Do husbands need permission from wives?

Access Category	A03. Gender of the respondent and C06.Does it happen that a husband needs permission from his wife?					
	Female			Male		
	Yes	No Don't know	Total	Yes	No Don't know	Total
Grid	48 40.00	12 30.77	60 37.27	19 37.25	2 25.00	21 35.59
Mini Grid/ Micro Grid	47 39.17	19 48.72	66 40.99	26 50.98	4 50.00	30 50.85
SHS only	10 8.33	1 2.56	11 6.83	2 3.92		2 3.39
Batteries/ Solar Lanterns only	13 10.83	6 15.38	2 100.00	2 3.92	1 12.50	3 5.08
No Access	2 1.67	1 2.56	3 1.86	2 3.92	1 12.50	3 5.08
Total	120 100.00	39 100.00	2 100.00	161 100.00	51 100.00	8 100.00

## 6.25.2 Permissions, Kenya

### 6.25.2.1 Purchase major Item

Access Category	A03. Gender of the respondent and C05.does a wife need permission from her husband when she wants to purchase a ma							
	Female				Male			
	Yes	No	Don't know	Total	Yes	No	Don't know	Total
Grid	21 15.67			21 14.00	10 20.00	1 25.00		11 19.64
Mini Grid/ Micro Grid	3 2.24			3 2.00	3 6.00			3 5.36
SHS only	34 25.37	3 20.00		37 24.67	20 40.00	1 25.00		21 37.50
Batteries/ Solar Lanterns only	4 2.99	1 6.67		5 3.33	1 2.00			1 1.79
Stand alone generators only	1 0.75	1 6.67		2 1.33	2 4.00			2 3.57
No Access	71 52.99	10 66.67	1 100.00	82 54.67	14 28.00	2 50.00	2 100.00	18 32.14
Total	134 100.00	15 100.00	1 100.00	150 100.00	50 100.00	4 100.00	2 100.00	56 100.00

### 6.25.2.2 Town/village center on market day

Access Category	A03. Gender of the respondent and C05.does a wife need permission from her husband when she wants to go to a town/							
	Female				Male			
	Yes	No	Don't know	Total	Yes	No	Don't know	Total
Grid	7 7.87	12 23.08		19 13.29	4 14.29	7 28.00		11 20.00
Mini Grid/ Micro Grid	3 3.37			3 2.10	3 10.71			3 5.45
SHS only	12 13.48	18 34.62	1 50.00	31 21.68	8 28.57	12 48.00		20 36.36
Batteries/ Solar Lanterns only	3 3.37	3 5.77		6 4.20	1 3.57			1 1.82
Stand alone generators only		2 3.85		2 1.40	1 3.57	1 4.00		2 3.64
No Access	64 71.91	17 32.69	1 50.00	82 57.34	11 39.29	5 20.00	2 100.00	18 32.73
Total	89 100.00	52 100.00	2 100.00	143 100.00	28 100.00	25 100.00	2 100.00	55 100.00

### 6.25.2.3 To visit a doctor or visit her parents at home, or obtain remittances/vouchers

Access Category	A03. Gender of the respondent and C05.does a wife need permission from her husband when she wants to travel to vis						
	Female				Male		
	Yes	No	Don't know	Total	Yes	No	Don't know
Grid	17 14.78	4 12.12		21 14.00	8 17.78	3 33.33	11 19.64
Mini Grid/ Micro Grid	3 2.61			3 2.00	3 6.67		3 5.36
SHS only	27 23.48	9 27.27	1 50.00	37 24.67	20 44.44	1 11.11	21 37.50
Batteries/ Solar Lanterns only	3 2.61	2 6.06		5 3.33	1 2.22		1 1.79
Stand alone generators only	1 0.87	1 3.03		2 1.33	2 4.44		2 3.57
No Access	64 55.65	17 51.52	1 50.00	82 54.67	11 24.44	5 55.56	2 100.00
Total	115 100.00	33 100.00	2 100.00	150 100.00	45 100.00	9 100.00	2 100.00

### 6.25.3. 4 Do husbands need permission from wives?

Access Category	A03. Gender of the respondent and C06.Does it happen that a husband needs permission from his wife?							
	Female				Male			
	Yes	No	Don't know	N/A	Yes	No	Don't know	N/A
Grid	8 10.13	13 18.57			3 11.11	8 28.57		
Mini Grid/ Micro Grid	3 3.80				1 3.70	2 7.14		
SHS only	22 27.85	15 21.43			15 55.56	6 21.43		
Batteries/ Solar Lanterns only	3 3.80	2 2.86				1 3.57		
Stand alone generators only	1 1.27	1 1.43			2 7.41			
No Access	42 53.16	39 55.71	1 100.00		6 22.22	11 39.29	1 100.00	
Total	79 100.00	70 100.00	1 100.00	1 100.00	27 100.00	28 100.00	1 100.00	



## 6.25.3 Permissions, India

### 6.25.3.1 Purchase major Item

Access Category	A03. Gender of the respondent and C05.does a wife need permission from her husband when she wants to purchase a ma					
	Female			Male		
	Yes	No	Total	Yes	No	Total
Grid	35 39.77		35 37.63	6 15.79	2 100.00	8 20.00
Mini Grid/ Micro Grid	33 37.50	5 100.00	38 40.86	19 50.00		19 47.50
Batteries/ Solar Lanterns only	6 6.82		6 6.45	3 7.89		3 7.50
No Access	14 15.91		14 15.05	10 26.32		10 25.00
Total	88 100.00	5 100.00	93 100.00	38 100.00	2 100.00	40 100.00

### 6.25.3.2 Town/village center on market day

Access Category	A03. Gender of the respondent and C05.does a wife need permission from her husband when she wants to go to a town/						
	Female			Male			Total
	Yes	No	Don't know	Yes	No	Don't know	
Grid	33 31.43	4 50.00		12 24.00	1 16.67		13 23.21
Mini Grid/ Micro Grid	54 51.43	2 25.00	2 100.00	26 52.00	5 83.33		31 55.36
Batteries/ Solar Lanterns only	5 4.76	1 12.50		3 6.00			3 5.36
No Access	13 12.38	1 12.50		9 18.00			9 16.07
Total	105 100.00	8 100.00	2 100.00	50 100.00	6 100.00		56 100.00

### 6.25.3.3 To visit a doctor or visit her parents at home, or obtain remittances/vouchers

. tablecol accesscategory C05_wife_doc_parents_remit A03 if country==3, row col colpct								
Access Category	A03. Gender of the respondent and C05.does a wife need permission from her husband when she wants to travel to vis							
	Female				Male			
	Yes	No	Don't know	Total	Yes	No	Don't know	Total
Grid	57 46.34	3 42.86	2 50.00	62 46.27	19 33.33	1 25.00		20 32.26
Mini Grid/ Micro Grid	48 39.02	2 28.57	2 50.00	52 38.81	26 45.61	3 75.00	1 100.00	30 48.39
Batteries/ Solar Lanterns only	5 4.07	1 14.29		6 4.48	3 5.26			3 4.84
No Access	13 10.57	1 14.29		14 10.45	9 15.79			9 14.52
Total	123 100.00	7 100.00	4 100.00	134 100.00	57 100.00	4 100.00	1 100.00	62 100.00

### 6.25.3. 4 Do husbands need permission from wives?

Access Category	A03. Gender of the respondent and C06.Does it happen that a husband needs permission from his wife?						
	Female				Male		
	Yes	No	Don't know	Total	Yes	No	Don't know
Grid	26 31.71	5 27.78		31 30.69	14 31.11		14 26.92
Mini Grid/ Micro Grid	40 48.78	10 55.56	1 100.00	51 50.50	21 46.67	7 100.00	28 53.85
Batteries/ Solar Lanterns only	6 7.32			6 5.94	2 4.44		2 3.85
No Access	10 12.20	3 16.67		13 12.87	8 17.78		8 15.38
Total	82 100.00	18 100.00	1 100.00	101 100.00	45 100.00	7 100.00	52 100.00

## 6.26. Key Decisions

### 6.26.1.1 Health relates issues, Nepal

Access Category	C07.In this household, who tends to decide on the health issues?					Total
	Woman	Man	Jointly	Parents/in-laws	Other	
Grid	14	13	43		11	81
	40.00	32.50	34.13		73.33	36.82
Mini Grid/ Micro Grid	14	22	54	2	4	96
	40.00	55.00	42.86	50.00	26.67	43.64
SHS only	2	2	7	2		13
	5.71	5.00	5.56	50.00		5.91
Batteries/ Solar Lanterns only	4	2	18			24
	11.43	5.00	14.29			10.91
No Access	1	1	4			6
	2.86	2.50	3.17			2.73
Total	35	40	126	4	15	220
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.26.1.2 Health relates issues, Kenya

Access Category	C07.In this household, who tends to decide on the health issues?					Total
	Woman	Man	Jointly	Other	NA	
Grid	6	1	25			32
	8.22	6.25	22.94			15.84
Mini Grid/ Micro Grid	4	1	1			6
	5.48	6.25	0.92			2.97
SHS only	14	4	39			57
	19.18	25.00	35.78			28.22
Batteries/ Solar Lanterns only	2	1	4			7
	2.74	6.25	3.67			3.47
Stand alone generators only			4			4
			3.67			1.98
No Access	47	9	36	3	1	96
	64.38	56.25	33.03	100.00	100.00	47.52
Total	73	16	109	3	1	202
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.26.1.3 Health relates issues, India

Access Category	C07.In this household, who tends to decide on the health issues?					Total
	Woman	Man	Jointly	Parents/in-laws	NA	
Grid	5		71	3		79
	20.00		49.31	25.00		40.51
Mini Grid/ Micro Grid	7	10	63	5	2	87
	28.00	83.33	43.75	41.67	100.00	44.62
Batteries/ Solar Lanterns only	2	1	4			7
	8.00	8.33	2.78			3.59
No Access	11	1	6	4		22
	44.00	8.33	4.17	33.33		11.28
Total	25	12	144	12	2	195
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.26.2.1 Children's Education, Nepal

Access Category	C07.In this household, who tends to decide on the Children's education ?					Total
	Woman	Man	Jointly	Parents/in-laws	Other	
Grid	13	13	42		13	81
	38.24	31.71	33.60		81.25	36.82
Mini Grid/ Micro Grid	14	22	55	2	3	96
	41.18	53.66	44.00	50.00	18.75	43.64
SHS only	3	2	6	2		13
	8.82	4.88	4.80	50.00		5.91
Batteries/ Solar Lanterns only	3	3	18			24
	8.82	7.32	14.40			10.91
No Access	1	1	4			6
	2.94	2.44	3.20			2.73
Total	34	41	125	4	16	220
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.26.2.2 Children's Education, Kenya

Access Category	C07.In this household, who tends to decide on the Children's education ?					Total
	Woman	Man	Jointly	Parents/in-laws	NA	
Grid	5	1	26			32
	13.89	4.76	18.31			15.84
Mini Grid/ Micro Grid		1	4			5
		4.76	2.82			2.48
SHS only	7	5	44	2		58
	19.44	23.81	30.99	100.00		28.71
Batteries/ Solar Lanterns only	2	1	4			7
	5.56	4.76	2.82			3.47
Stand alone generators only			3			3
			2.11			1.49
No Access	22	13	61		1	97
	61.11	61.90	42.96		100.00	48.02
Total	36	21	142	2	1	202
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.26.2.3 Children's Education, India

Access Category	C07.In this household, who tends to decide on the Children's education ?				Total
	Woman	Man	Jointly	Parents/in-laws	
Grid	5		67	13	85
	26.32		42.95	59.09	41.46
Mini Grid/ Micro Grid	2	7	73	6	88
	10.53	87.50	46.79	27.27	42.93
Batteries/ Solar Lanterns only	2		7		9
	10.53		4.49		4.39
No Access	10	1	9	3	23
	52.63	12.50	5.77	13.64	11.22
Total	19	8	156	22	205
	100.00	100.00	100.00	100.00	100.00

### 6.26.3.1 Choice of marriage partner, Nepal

Access Category	C07.In this household, who tends to decide on the Choice of marriage partner ?					Total
	Woman	Man	Jointly	Parents/in-laws	Other	
Grid	10	8	58	1	4	81
	41.67	24.24	38.93	16.67	50.00	36.82
Mini Grid/ Micro Grid	10	20	59	3	4	96
	41.67	60.61	39.60	50.00	50.00	43.64
SHS only	2	2	7	2		13
	8.33	6.06	4.70	33.33		5.91
Batteries/ Solar Lanterns only	2	2	20			24
	8.33	6.06	13.42			10.91
No Access		1	5			6
		3.03	3.36			2.73
Total	24	33	149	6	8	220
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.26.3.2 Choice of marriage partner, Kenya

Access Category	C07.In this household, who tends to decide on the Choice of marriage partner ?					Total
	Woman	Man	Jointly	Parents/in-laws	Other	
Grid	3		17		12	32
	21.43		22.67		13.19	16.16
Mini Grid/ Micro Grid			4			4
			5.33			2.02
SHS only	2	2	22	1	29	56
	14.29	16.67	29.33	16.67	31.87	28.28
Batteries/ Solar Lanterns only	2	2	1		2	7
	14.29	16.67	1.33		2.20	3.54
Stand alone generators only					4	4
					4.40	2.02
No Access	7	8	31	5	44	95
	50.00	66.67	41.33	83.33	48.35	47.98
Total	14	12	75	6	91	198
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.26.3.3 Choice of marriage partner, India

Access Category	C07.In this household, who tends to decide on the Choice of marriage partner ?				
	Woman	Man	Jointly	Parents/in-laws	Total
Grid	1		69	1	71
	7.14		46.62	16.67	41.76
Mini Grid/ Micro Grid	1		64	2	67
	7.14		43.24	33.33	39.41
Batteries/ Solar Lanterns only	2	1	6		9
	14.29	50.00	4.05		5.29
No Access	10	1	9	3	23
	71.43	50.00	6.08	50.00	13.53
Total	14	2	148	6	170
	100.00	100.00	100.00	100.00	100.00

### 6.27. Women travelling alone

#### 6.27.1 Do women travel on her own?

#### Nepal

variable	values			Total
	On her ow	With male	With chil	
C08.When a woman trav	144	57	14	215
	66.98	26.51	6.51	100.00
	100.00	38.00	22.22	60.22
C08.When a woman trav	0	93	13	106
	0.00	87.74	12.26	100.00
	0.00	62.00	20.63	29.69
C08.When a woman trav	0	0	36	36
	0.00	0.00	100.00	100.00
	0.00	0.00	57.14	10.08
Total	144	150	63	357
	40.34	42.02	17.65	100.00
	100.00	100.00	100.00	100.00

## Kenya

variable	values			Total
	On her ow	With male	With chil	
C08.When a woman trav	199	0	0	199
	100.00	0.00	0.00	100.00
	100.00	0.00	0.00	74.53
C08.When a woman trav	0	30	0	30
	0.00	100.00	0.00	100.00
	0.00	100.00	0.00	11.24
C08.When a woman trav	0	0	38	38
	0.00	0.00	100.00	100.00
	0.00	0.00	100.00	14.23
Total	199	30	38	267
	74.53	11.24	14.23	100.00
	100.00	100.00	100.00	100.00

## India

variable	values				Total
	On her ow	With male	With chil	Don't kno	
C08.When a woman trav	124	0	0	0	124
	100.00	0.00	0.00	0.00	100.00
	100.00	0.00	0.00	0.00	48.82
C08.When a woman trav	0	79	0	0	79
	0.00	100.00	0.00	0.00	100.00
	0.00	100.00	0.00	0.00	31.10
C08.When a woman trav	0	0	49	0	49
	0.00	0.00	100.00	0.00	100.00
	0.00	0.00	100.00	0.00	19.29
C08.When a woman trav	0	0	0	2	2
	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	100.00	0.79
Total	124	79	49	2	254
	48.82	31.10	19.29	0.79	100.00
	100.00	100.00	100.00	100.00	100.00



## 6.27.2 Who accompanied women in her last trip

### Nepal

variable	values			Total
	On her ow	With male	With chil	
C09.On her last trip,	80	94	41	215
	37.21	43.72	19.07	100.00
	100.00	98.95	95.35	98.62
C09.On her last trip,	0	1	2	3
	0.00	33.33	66.67	100.00
	0.00	1.05	4.65	1.38
Total	80	95	43	218
	36.70	43.58	19.72	100.00
	100.00	100.00	100.00	100.00

### Kenya

variable	values			Total
	On her ow	With male	With chil	
C09.On her last trip,	180	5	15	200
	90.00	2.50	7.50	100.00
	100.00	100.00	100.00	100.00
Total	180	5	15	200
	90.00	2.50	7.50	100.00
	100.00	100.00	100.00	100.00

### India

variable	values				Total
	On her ow	With male	With chil	Don't kno	
C09.On her last trip,	118	29	23	4	174
	67.82	16.67	13.22	2.30	100.00
	100.00	100.00	85.19	66.67	96.67
C09.On her last trip,	0	0	4	2	6
	0.00	0.00	66.67	33.33	100.00
	0.00	0.00	14.81	33.33	3.33
Total	118	29	27	6	180
	65.56	16.11	15.00	3.33	100.00
	100.00	100.00	100.00	100.00	100.00

## 6.28. Television viewership

### 6.28.1 Television viewership by Access category

Access Category and C14.Television: Do you regularly watch television?		Name of the Country			
		Nepal	Kenya	India	Total
Grid					
	Yes	32 39.51	27 84.38	46 68.66	105 58.33
	No	49 60.49	5 15.63	21 31.34	75 41.67
	Total	81 100.00	32 100.00	67 100.00	180 100.00
Mini Grid/ Micro Grid					
	Yes	22 22.92	6 100.00	22 37.29	50 31.06
	No	74 77.08		37 62.71	111 68.94
	Total	96 100.00	6 100.00	59 100.00	161 100.00
SHS only					
	Yes	5 38.46	35 60.34		40 56.34
	No	8 61.54	23 39.66		31 43.66
	Total	13 100.00	58 100.00		71 100.00
Batteries/ Solar Lanterns only					
	Yes	2 8.33	2 28.57		4 12.50
	No	22 91.67	5 71.43	1 100.00	28 87.50
	Total	24 100.00	7 100.00	1 100.00	32 100.00
Stand alone generators only					
	Yes		3 75.00		3 75.00
	No		1 25.00		1 25.00
	Total		4 100.00		4 100.00
No Access					
	Yes		37 37.37	1 33.33	38 35.19
	No	6 100.00	62 62.63	2 66.67	70 64.81
	Total	6 100.00	99 100.00	3 100.00	108 100.00

### 6.28.2 Who in HH watch TV: At least 1 to 3 times a week

C14_watch_ regular_TV _1_3_times _week	Name of the Country			Total
	Nepal	Kenya	India	
All	35	54	125	214
	16.36	25.23	58.41	100.00
	57.38	31.03	85.03	56.02
Boys	4	15	0	19
	21.05	78.95	0.00	100.00
	6.56	8.62	0.00	4.97
Girl	0	0	1	1
	0.00	0.00	100.00	100.00
	0.00	0.00	0.68	0.26
Girls	3	4	0	7
	42.86	57.14	0.00	100.00
	4.92	2.30	0.00	1.83
Man	6	29	0	35
	17.14	82.86	0.00	100.00
	9.84	16.67	0.00	9.16
NOBODY	0	0	20	20
	0.00	0.00	100.00	100.00
	0.00	0.00	13.61	5.24
Nobody	0	49	0	49
	0.00	100.00	0.00	100.00
	0.00	28.16	0.00	12.83
Other	0	13	0	13
	0.00	100.00	0.00	100.00
	0.00	7.47	0.00	3.40
Woman	13	10	0	23
	56.52	43.48	0.00	100.00
	21.31	5.75	0.00	6.02
Women	0	0	1	1
	0.00	0.00	100.00	100.00
	0.00	0.00	0.68	0.26
Total	61	174	147	382
	15.97	45.55	38.48	100.00
	100.00	100.00	100.00	100.00

### 6.28.3 Where do they watch TV

#### Nepal

C14.Where do they tend to watch television?	Access Category				Total
	Grid	Mini Grid	SHS only	Batteries	
At home	31	19	5	0	55
	56.36	34.55	9.09	0.00	100.00
	96.88	86.36	100.00	0.00	90.16
At neighbours	1	3	0	2	6
	16.67	50.00	0.00	33.33	100.00
	3.13	13.64	0.00	100.00	9.84
Total	32	22	5	2	61
	52.46	36.07	8.20	3.28	100.00
	100.00	100.00	100.00	100.00	100.00

#### Kenya

C14.Where do they tend to watch television?	Access Category					
	Grid	Mini Grid	SHS only	Batteries	Stand alo	No Access
At home	29	6	28	0	3	0
	43.94	9.09	42.42	0.00	4.55	0.00
	100.00	100.00	59.57	0.00	75.00	0.00
At neighbours	0	0	7	2	0	18
	0.00	0.00	25.93	7.41	0.00	66.67
	0.00	0.00	14.89	50.00	0.00	30.00
At market/shop/villag	0	0	11	2	1	40
	0.00	0.00	20.37	3.70	1.85	74.07
	0.00	0.00	23.40	50.00	25.00	66.67
Other	0	0	1	0	0	2
	0.00	0.00	33.33	0.00	0.00	66.67
	0.00	0.00	2.13	0.00	0.00	3.33
Total	29	6	47	4	4	60
	19.33	4.00	31.33	2.67	2.67	40.00
	100.00	100.00	100.00	100.00	100.00	100.00

## India

C14. Where do they tend to watch television?	Access Category			Total
	Grid	Mini Grid	No Access	
At home	27	37	1	65
	41.54	56.92	1.54	100.00
	75.00	71.15	100.00	73.03
At neighbours	9	14	0	23
	39.13	60.87	0.00	100.00
	25.00	26.92	0.00	25.84
At market/shop/village	0	1	0	1
	0.00	100.00	0.00	100.00
	0.00	1.92	0.00	1.12
Total	36	52	1	89
	40.45	58.43	1.12	100.00
	100.00	100.00	100.00	100.00

## 6.28.4 TV - Practical use

## Nepal

C14. 'Television has taught me many things of practical use'	Access Category				Total
	Grid	Mini Grid	SHS only	Batteries	
Agree	26	17	2	1	46
	56.52	36.96	4.35	2.17	100.00
	81.25	77.27	40.00	50.00	75.41
Disagree	6	3	3	0	12
	50.00	25.00	25.00	0.00	100.00
	18.75	13.64	60.00	0.00	19.67
Don't Know	0	2	0	1	3
	0.00	66.67	0.00	33.33	100.00
	0.00	9.09	0.00	50.00	4.92
Total	32	22	5	2	61
	52.46	36.07	8.20	3.28	100.00
	100.00	100.00	100.00	100.00	100.00

## Kenya

C14. 'Television has taught me many things of practical use'	Access Category						Total
	Grid	Mini Grid	SHS only	Batteries	Stand alo	No Access	
Agree0	1	0	8	1	0	30	40
	2.50	0.00	20.00	2.50	0.00	75.00	100.00
	3.23	0.00	14.81	16.67	0.00	44.12	23.67
Agree1	0	0	2	0	0	9	11
	0.00	0.00	18.18	0.00	0.00	81.82	100.00
	0.00	0.00	3.70	0.00	0.00	13.24	6.51
Agree3	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	1.47	0.59
Agree4	30	6	44	5	4	28	117
	25.64	5.13	37.61	4.27	3.42	23.93	100.00
	96.77	100.00	81.48	83.33	100.00	41.18	69.23
Total	31	6	54	6	4	68	169
	18.34	3.55	31.95	3.55	2.37	40.24	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

## India

C14. 'Television has taught me many things of practical use'	Access Category			Total
	Grid	Mini Grid	No Access	
Agree	71	45	1	117
	60.68	38.46	0.85	100.00
	91.03	78.95	100.00	86.03
Disagree	5	4	0	9
	55.56	44.44	0.00	100.00
	6.41	7.02	0.00	6.62
Don't Know	2	8	0	10
	20.00	80.00	0.00	100.00
	2.56	14.04	0.00	7.35
Total	78	57	1	136
	57.35	41.91	0.74	100.00
	100.00	100.00	100.00	100.00

### 6.28.5 TV – Perception on equal rights

#### Nepal

C14. 'Television has inspired me to think that women and men should have equal rights'	Access Category				Total
	Grid	Mini Grid	SHS only	Batteries	
Agree	28	15	1	0	44
	63.64	34.09	2.27	0.00	100.00
	87.50	68.18	20.00	0.00	72.13
Disagree	3	2	4	0	9
	33.33	22.22	44.44	0.00	100.00
	9.38	9.09	80.00	0.00	14.75
Don't Know	1	5	0	2	8
	12.50	62.50	0.00	25.00	100.00
	3.13	22.73	0.00	100.00	13.11
Total	32	22	5	2	61
	52.46	36.07	8.20	3.28	100.00
	100.00	100.00	100.00	100.00	100.00

#### Kenya

C14. 'Television has inspired me to think that women and men should have equal rights'	Access Category						Total
	Grid	Mini Grid	SHS only	Batteries	Stand alo	No Access	
Agree0	1	0	7	1	0	30	39
	2.56	0.00	17.95	2.56	0.00	76.92	100.00
	3.23	0.00	12.96	16.67	0.00	44.12	23.08
Agree1	0	0	5	1	0	6	12
	0.00	0.00	41.67	8.33	0.00	50.00	100.00
	0.00	0.00	9.26	16.67	0.00	8.82	7.10
Agree2	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	100.00	100.00
	0.00	0.00	0.00	0.00	0.00	1.47	0.59
Agree3	1	0	0	1	0	0	2
	50.00	0.00	0.00	50.00	0.00	0.00	100.00
	3.23	0.00	0.00	16.67	0.00	0.00	1.18
Agree4	29	6	42	3	4	31	115
	25.22	5.22	36.52	2.61	3.48	26.96	100.00
	93.55	100.00	77.78	50.00	100.00	45.59	68.05
Total	31	6	54	6	4	68	169
	18.34	3.55	31.95	3.55	2.37	40.24	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

## India

C14. 'Television has inspired me to think that women and men should have equal rights'	Access Category				Total
	Grid	Mini Grid	No Access		
	Agree	73	47	1	
		60.33	38.84	0.83	
		96.05	83.93	100.00	
Disagree		1	2	0	3
		33.33	66.67	0.00	100.00
		1.32	3.57	0.00	2.26
Don't Know		2	7	0	9
		22.22	77.78	0.00	100.00
		2.63	12.50	0.00	6.77
Total		76	56	1	133
		57.14	42.11	0.75	100.00
		100.00	100.00	100.00	100.00

## 6.28.6 TV - Inspiration

## Nepal

C14. 'Television has inspired me to do things in a different way'	Access Category				Total
	Grid	Mini Grid	SHS only	Batteries	
	Agree	14	16	1	0
		45.16	51.61	3.23	0.00
		43.75	72.73	20.00	0.00
Disagree		17	3	4	0
		70.83	12.50	16.67	0.00
		53.13	13.64	80.00	0.00
Don't Know		1	3	0	2
		16.67	50.00	0.00	33.33
		3.13	13.64	0.00	100.00
Total		32	22	5	2
		52.46	36.07	8.20	3.28
		100.00	100.00	100.00	100.00



## Kenya

C14. 'Television has inspired me to do things in a different way'	Access Category						Total
	Grid	Mini Grid	SHS only	Batteries	Stand alo	No Access	
Agree0	1	0	9	1	0	33	44
	2.27	0.00	20.45	2.27	0.00	75.00	100.00
	3.23	0.00	16.67	16.67	0.00	48.53	26.04
Agree1	4	0	4	1	0	11	20
	20.00	0.00	20.00	5.00	0.00	55.00	100.00
	12.90	0.00	7.41	16.67	0.00	16.18	11.83
Agree2	0	0	1	0	0	0	1
	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	1.85	0.00	0.00	0.00	0.59
Agree4	26	6	40	4	4	24	104
	25.00	5.77	38.46	3.85	3.85	23.08	100.00
	83.87	100.00	74.07	66.67	100.00	35.29	61.54
Total	31	6	54	6	4	68	169
	18.34	3.55	31.95	3.55	2.37	40.24	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

## India

C14. 'Television has inspired me to do things in a different way'	Access Category			Total
	Grid	Mini Grid	No Access	
Agree	70	50	1	121
	57.85	41.32	0.83	100.00
	90.91	89.29	100.00	90.30
Disagree	3	2	0	5
	60.00	40.00	0.00	100.00
	3.90	3.57	0.00	3.73
Don't Know	4	4	0	8
	50.00	50.00	0.00	100.00
	5.19	7.14	0.00	5.97
Total	77	56	1	134
	57.46	41.79	0.75	100.00
	100.00	100.00	100.00	100.00

### 6.28.7 TV – Inspired Family planning

#### Nepal

C14. 'Inspired from what they have watched on television, more people are now practicing	Access Category				Total
	Grid	Mini Grid	SHS only	Batteries	
Agree	16	12	1	0	29
	55.17	41.38	3.45	0.00	100.00
	50.00	54.55	20.00	0.00	47.54
Disagree	11	2	4	0	17
	64.71	11.76	23.53	0.00	100.00
	34.38	9.09	80.00	0.00	27.87
Don't Know	5	8	0	2	15
	33.33	53.33	0.00	13.33	100.00
	15.63	36.36	0.00	100.00	24.59
Total	32	22	5	2	61
	52.46	36.07	8.20	3.28	100.00
	100.00	100.00	100.00	100.00	100.00

#### Kenya

C14. 'Inspired from what they have watched on television, more people are now practicing	Access Category						Total
	Grid	Mini Grid	SHS only	Batteries	Stand alo	No Access	
Agree0	1	0	10	2	0	28	41
	2.44	0.00	24.39	4.88	0.00	68.29	100.00
	3.23	0.00	18.52	33.33	0.00	40.58	24.26
Agree1	3	0	10	1	1	16	31
	9.68	0.00	32.26	3.23	3.23	51.61	100.00
	9.68	0.00	18.52	16.67	25.00	23.19	18.34
Agree2	0	0	1	0	0	1	2
	0.00	0.00	50.00	0.00	0.00	50.00	100.00
	0.00	0.00	1.85	0.00	0.00	1.45	1.18
Agree3	2	0	2	0	0	0	4
	50.00	0.00	50.00	0.00	0.00	0.00	100.00
	6.45	0.00	3.70	0.00	0.00	0.00	2.37
Agree4	25	5	31	3	3	24	91
	27.47	5.49	34.07	3.30	3.30	26.37	100.00
	80.65	100.00	57.41	50.00	75.00	34.78	53.85
Total	31	5	54	6	4	69	169
	18.34	2.96	31.95	3.55	2.37	40.83	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

#### India

C14. 'Inspired from what they have watched on television, more people are now pra	Access Category			Total
	Grid	Mini Grid	No Access	
	Agree	71	37	1
		65.14	33.94	0.92
		91.03	67.27	100.00
Disagree				
		4	4	0
		50.00	50.00	0.00
Don't Know				
		3	14	0
		17.65	82.35	0.00
Total				
		3.85	25.45	0.00
		78	55	1
		58.21	41.04	0.75
		100.00	100.00	100.00

#### 6.28.8 TV – Negative influence on children

##### Nepal

C14. Television poses a threat to the children in terms of negative influence	Access Category				Total
	Grid	Mini Grid	SHS only	Batteries	
	Agree	3	3	1	0
		42.86	42.86	14.29	0.00
		9.38	13.64	20.00	0.00
Disagree					
		29	17	4	2
		55.77	32.69	7.69	3.85
Don't Know					
		0	2	0	0
		0.00	100.00	0.00	0.00
Total					
		0.00	9.09	0.00	0.00
		32	22	5	2
		52.46	36.07	8.20	3.28
		100.00	100.00	100.00	100.00

##### Kenya

C14.Televisi on poses a threat to the children in terms of negative influence	Access Category						Total
	Grid	Mini Grid	SHS only	Batteries	Stand alo	No Access	
Agree0	1	0	8	1	0	28	38
	2.63	0.00	21.05	2.63	0.00	73.68	100.00
	3.23	0.00	14.81	16.67	0.00	38.89	21.97
Agree1	3	0	3	1	0	3	10
	30.00	0.00	30.00	10.00	0.00	30.00	100.00
	9.68	0.00	5.56	16.67	0.00	4.17	5.78
Agree2	1	0	1	1	0	1	4
	25.00	0.00	25.00	25.00	0.00	25.00	100.00
	3.23	0.00	1.85	16.67	0.00	1.39	2.31
Agree3	3	0	2	0	0	1	6
	50.00	0.00	33.33	0.00	0.00	16.67	100.00
	9.68	0.00	3.70	0.00	0.00	1.39	3.47
Agree4	23	6	40	3	4	39	115
	20.00	5.22	34.78	2.61	3.48	33.91	100.00
	74.19	100.00	74.07	50.00	100.00	54.17	66.47
Total	31	6	54	6	4	72	173
	17.92	3.47	31.21	3.47	2.31	41.62	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

## India

C14.Television poses a threat to the children in terms of negative influence	Access Category			Total
	Grid	Mini Grid	No Access	
Agree	57	28	0	85
	67.06	32.94	0.00	100.00
	74.03	52.83	0.00	64.89
Disagree	17	19	1	37
	45.95	51.35	2.70	100.00
	22.08	35.85	100.00	28.24
Don't Know	3	6	0	9
	33.33	66.67	0.00	100.00
	3.90	11.32	0.00	6.87
Total	77	53	1	131
	58.78	40.46	0.76	100.00
	100.00	100.00	100.00	100.00

## 6.29. Income from Electricity, Women in Electricity supply and other questions

### 6.29.1 Number of women who make use of electricity for making an income.

D01. In this hh, does the woman make use of electricity for making an income?	Access Category and Name of the Country								
	Grid			- Mini Grid/ Micr -			SHS only		
	Nepal	Kenya	India	Nepal	Kenya	India	Nepal	Kenya	India
Yes	3	8	6	10	2			7	

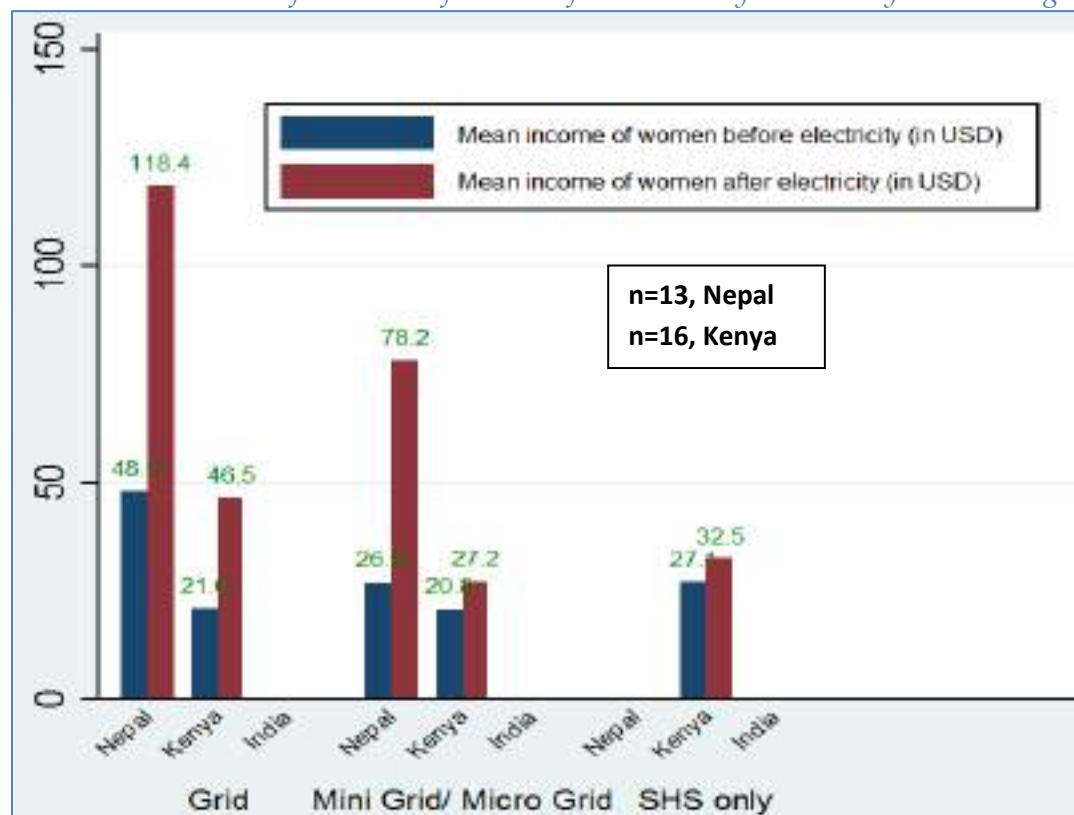
### 6.29.2 Number of men who make use of electricity for making an income.

D03. In this hh, does the man make use of electricity for making an income (e.g.	Access Category and Name of the Country								
	Grid			- Mini Grid/ Micr -			SHS only		
	Nepal	Kenya	India	Nepal	Kenya	India	Nepal	Kenya	India
Yes	2	2	3		1	15		1	

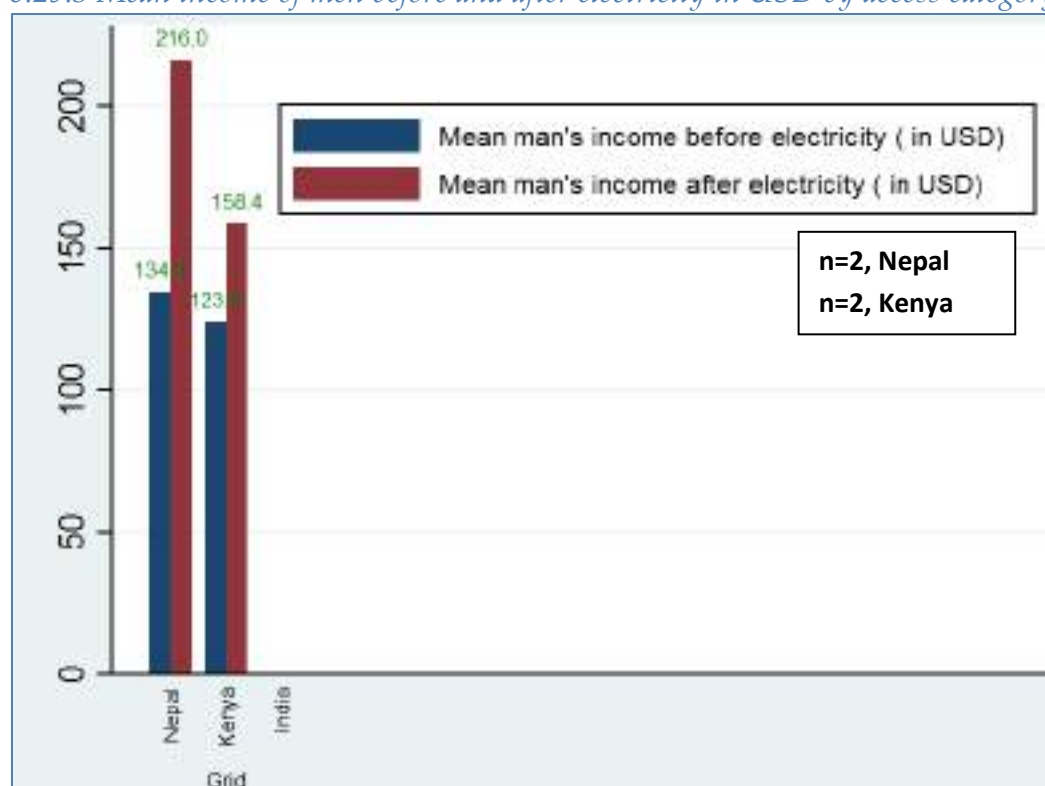
### 6.29.3 Number of women who make use cooking fuel for making an income

D02. In this hh, does the woman use Cooking fuels for making an income?	Access Category and Name of the Country					
	Grid		- Mini Gri -		- SHS only -	
	Nepal	Kenya	Nepal	Kenya	Nepal	Kenya
Yes	1	1	1			1

6.29.4 Mean income of Women before and after electricity in USD by access category



6.29.5 Mean income of men before and after electricity in USD by access category



## 6.29.6 If woman retains traditional items in the case of divorce or widowhood?

### 6.29.6.1 Nepal

D07.If a woman owned a traditional item(India : jewelry; Kenya: abed), would she	Access Category					Total
	Grid	Mini Grid	SHS only	Batteries	No Access	
Yes	61	78	12	23	4	178
	34.27	43.82	6.74	12.92	2.25	100.00
	75.31	81.25	92.31	95.83	66.67	80.91
Don't know	20	18	1	1	2	42
	47.62	42.86	2.38	2.38	4.76	100.00
	24.69	18.75	7.69	4.17	33.33	19.09
Total	81	96	13	24	6	220
	36.82	43.64	5.91	10.91	2.73	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

### 6.29.6.2 Kenya

D07.If a woman owned a traditional item(India : jewelry; Kenya: abed), would she	Access Category						Total
	Grid	Mini Grid	SHS only	Batteries	Stand alo	No Access	
Yes	0	2	22	2	3	31	60
	0.00	3.33	36.67	3.33	5.00	51.67	100.00
	0.00	33.33	38.60	28.57	75.00	31.00	29.13
No	32	3	32	5	1	65	138
	23.19	2.17	23.19	3.62	0.72	47.10	100.00
	100.00	50.00	56.14	71.43	25.00	65.00	66.99
Don't know	0	1	3	0	0	4	8
	0.00	12.50	37.50	0.00	0.00	50.00	100.00
	0.00	16.67	5.26	0.00	0.00	4.00	3.88
Total	32	6	57	7	4	100	206
	15.53	2.91	27.67	3.40	1.94	48.54	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.29.6.2 India

D07.If a woman owned a traditional item(India: jewelry; Kenya: abed), would she	Access Category				Total
	Grid	Mini Grid	Batteries	No Access	
Yes	30	8	0	3	41
	73.17	19.51	0.00	7.32	100.00
	34.88	10.53	0.00	15.79	21.69
No	52	53	8	16	129
	40.31	41.09	6.20	12.40	100.00
	60.47	69.74	100.00	84.21	68.25
Don't know	4	15	0	0	19
	21.05	78.95	0.00	0.00	100.00
	4.65	19.74	0.00	0.00	10.05
Total	86	76	8	19	189
	45.50	40.21	4.23	10.05	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.29.7 If woman retains radio/freezer/TV/Solar Home System/Cookstove in the case of divorce or widowhood

#### 6.29.7.1 Nepal

D07.If a woman owned a radio/freezer/TV/Solar Home System/Cookstove, would she	Access Category					Total
	Grid	Mini Grid	SHS only	Batteries	No Access	
Yes	57	65	9	22	3	156
	36.54	41.67	5.77	14.10	1.92	100.00
	70.37	67.71	69.23	91.67	50.00	70.91
Don't know	24	31	4	2	3	64
	37.50	48.44	6.25	3.13	4.69	100.00
	29.63	32.29	30.77	8.33	50.00	29.09
Total	81	96	13	24	6	220
	36.82	43.64	5.91	10.91	2.73	100.00
	100.00	100.00	100.00	100.00	100.00	100.00



### 6.29.7.2 Kenya

D07.If a woman owned a radio/freezer/TV/Solar Home System/Cookstove, would she ask	Access Category						Total
	Grid	Mini Grid	SHS only	Batteries	Stand alo	No Access	
Yes	1	3	25	2	3	42	76
	1.32	3.95	32.89	2.63	3.95	55.26	100.00
	3.13	50.00	43.10	28.57	75.00	42.00	36.71
No	31	2	29	5	1	52	120
	25.83	1.67	24.17	4.17	0.83	43.33	100.00
	96.88	33.33	50.00	71.43	25.00	52.00	57.97
Don't know	0	1	3	0	0	6	10
	0.00	10.00	30.00	0.00	0.00	60.00	100.00
	0.00	16.67	5.17	0.00	0.00	6.00	4.83
4	0	0	1	0	0	0	1
	0.00	0.00	100.00	0.00	0.00	0.00	100.00
	0.00	0.00	1.72	0.00	0.00	0.00	0.48
Total	32	6	58	7	4	100	207
	15.46	2.90	28.02	3.38	1.93	48.31	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

### 6.29.7.3 India

D07.If a woman owned a radio/freezer/TV/Solar Home System/Cookstove, would she ask	Access Category				Total
	Grid	Mini Grid	Batteries	No Access	
Yes	18	8	0	0	26
	69.23	30.77	0.00	0.00	100.00
	21.43	13.56	0.00	0.00	15.48
No	42	38	0	0	80
	52.50	47.50	0.00	0.00	100.00
	50.00	64.41	0.00	0.00	47.62
Don't know	24	13	9	16	62
	38.71	20.97	14.52	25.81	100.00
	28.57	22.03	100.00	100.00	36.90
Total	84	59	9	16	168
	50.00	35.12	5.36	9.52	100.00
	100.00	100.00	100.00	100.00	100.00

### 6.29.8 Are women involved in electricity supply?<sup>28</sup>

D08. Are/were women involved in electricit y supply in the village (including sal	Name of the Country		Total
	Nepal	India	
Yes	61	0	61
	100.00	0.00	100.00
	27.73	0.00	16.85
No	159	33	192
	82.81	17.19	100.00
	72.27	23.24	53.04
Don't know	0	109	109
	0.00	100.00	100.00
	0.00	76.76	30.11
Total	220	142	362
	60.77	39.23	100.00
	100.00	100.00	100.00

### 6.29.9 Witnessed women in Supply

D08.Was this the first time you witnessed that women held this kind of position/	Name of the Country			Total
	Nepal	Kenya	India	
Yes	130	118	0	248
	52.42	47.58	0.00	100.00
	59.09	59.00	0.00	44.13
No	68	61	23	152
	44.74	40.13	15.13	100.00
	30.91	30.50	16.20	27.05
Don't know	22	21	119	162
	13.58	12.96	73.46	100.00
	10.00	10.50	83.80	28.83
Total	220	200	142	562
	39.15	35.59	25.27	100.00
	100.00	100.00	100.00	100.00

<sup>28</sup> This question was not asked in Kenya.

### 6.29.10 Women's involvement in supply and change in perception about women by

D08_involvement_thinking	Name of the Country			Total
	Nepal	Kenya	India	
Yes	60	87	0	147
	40.82	59.18	0.00	100.00
	98.36	76.99	0.00	80.33
No	1	26	2	29
	3.45	89.66	6.90	100.00
	1.64	23.01	22.22	15.85
Don't know	0	0	7	7
	0.00	0.00	100.00	100.00
	0.00	0.00	77.78	3.83
Total	61	113	9	183
	33.33	61.75	4.92	100.00
	100.00	100.00	100.00	100.00

### 6.29.11 Women's involvement in supply and change in perception about women by country and access

Access Category	Name of the Country and D08_involve_thinking								
	Nepal			Kenya			India		
	Yes	No	Don't know	Yes	No	Don't know	Yes	No	Don't know
Grid	59			9	5			2	7
	98.33			10.34	19.23			100.00	100.00
Mini Grid/ Micro Grid	1	1		1	2				
	1.67	100.00		1.15	7.69				
SHS only				24	9				
				27.59	34.62				
Batteries/ Solar Lanterns only				5	2				
				5.75	7.69				
Stand alone generators only				3	1				
				3.45	3.85				
No Access				45	7				
				51.72	26.92				

6.29.12 Women's involvement in supply and change in perception about daughter(s) or young girls

D08.Did this change the way you think about your daughter(s) or young girls in g	Name of the Country			Total
	Nepal	Kenya	India	
Yes	39	96	0	135
	28.89	71.11	0.00	100.00
	63.93	84.96	0.00	76.27
No	1	17	0	18
	5.56	94.44	0.00	100.00
	1.64	15.04	0.00	10.17
Don't know	21	0	3	24
	87.50	0.00	12.50	100.00
	34.43	0.00	100.00	13.56
Total	61	113	3	177
	34.46	63.84	1.69	100.00
	100.00	100.00	100.00	100.00

Access Category	Name of the Country and D08.Did this change the way you think about your daughter(s) or young girls in g								
	Nepal			Kenya			India		
	Yes	No	Don't know	Yes	No	Don't know	Yes	No	Don't know
Grid	38		21	12	2				2
	97.44		100.00	12.50	11.76				66.67
Mini Grid/ Micro Grid	1	1		1	2				1
	2.56	100.00		1.04	11.76				33.33
SHS only				28	5				
				29.17	29.41				
Batteries/ Solar Lanterns only				6	1				
				6.25	5.88				
Stand alone generators only				3	1				
				3.13	5.88				
No Access				46	6				
				47.92	35.29				

### 6.29.13 Who in Household reads the Meters

B37.If electric meter, who looks at the meter to read consumption (Grid/Mini-Gri	Name of the Country			Total
	Nepal	Kenya	India	
Woman	3	1	0	4
	75.00	25.00	0.00	100.00
	1.59	2.70	0.00	1.50
Man	5	0	40	45
	11.11	0.00	88.89	100.00
	2.65	0.00	100.00	16.92
Staff from the compan	177	22	0	199
	88.94	11.06	0.00	100.00
	93.65	59.46	0.00	74.81
Nobody/automatic (ex	2	13	0	15
	13.33	86.67	0.00	100.00
	1.06	35.14	0.00	5.64
Other Don't know	2	1	0	3
	66.67	33.33	0.00	100.00
	1.06	2.70	0.00	1.13
Total	189	37	40	266
	71.05	13.91	15.04	100.00
	100.00	100.00	100.00	100.00

### 6.29.14 Who from the company comes and reads the meters

B37. Who from the company comes to read consumption (Grid/Mini-Grid)?	Name of the Country			Total
	Nepal	Kenya	India	
A woman	0	1	0	1
	0.00	100.00	0.00	100.00
	0.00	3.23	0.00	0.36
A man	187	17	54	258
	72.48	6.59	20.93	100.00
	99.47	54.84	96.43	93.82
W and M	0	11	0	11
	0.00	100.00	0.00	100.00
	0.00	35.48	0.00	4.00
Don't know	1	2	2	5
	20.00	40.00	40.00	100.00
	0.53	6.45	3.57	1.82
Total	188	31	56	275
	68.36	11.27	20.36	100.00
	100.00	100.00	100.00	100.00

### 6.29.15 Who in the company assists you?

B43. Who in the company/agency assists you?	Name of the Country			Total
	Nepal	Kenya	India	
A woman	42	5	0	47
	89.36	10.64	0.00	100.00
	22.11	5.62	0.00	14.20
A man	114	48	52	214
	53.27	22.43	24.30	100.00
	60.00	53.93	100.00	64.65
Both	1	23	0	24
	4.17	95.83	0.00	100.00
	0.53	25.84	0.00	7.25
None	33	13	0	46
	71.74	28.26	0.00	100.00
	17.37	14.61	0.00	13.90
Total	190	89	52	331
	57.40	26.89	15.71	100.00
	100.00	100.00	100.00	100.00

### 6.30. Reasons for not subscribing to Electricity

Reasons	Nepal	Kenya	India
We cannot afford to pay for it	22 (73.33%)	69 (43.40%)	
We live in a location which makes it impossible/inconvenient to subscribe	1 (3.33%)	24 (15.09%)	
The house we live in is unsuited for electricity subscription	1 (3.33%)	4 (2.52%)	
Roof is unsuited	1 (3.33%)	2 (1.26%)	
We have not received information about how to subscribe	1 (3.33%)		
All members of our hh fully agree that we are not interested		2 (1.26%)	
We disagree internally whether we want electricity		9 (5.66%)	
Woman wants		4 (2.52 %)	
Women don't want		7 (4.40%)	
Man wants		0	
Man don't want		3 (1.89%)	
Others want		3 (1.89%)	
Others don't want			
Walls are unsuited		2 (1.26%)	
We do not relate well to the people who are in charge of supply		4 (2.52%)	
We have tried to obtain a subscription, but were denied		20 (12.58%)	
We have not received information about how to subscribe		1 (0.63)	
We do not own the house ourselves		0	
People who don't live in the house on a regular basis, but provided the house or other types of support (e.g. migrant husband) do not find it necessary		2 (1.26%)	
We are fine with the type of light we have today and do not need subscription		3 (1.89%)	
The service is too unreliable			
No electricity in village <sup>29</sup>			33 (100%)
Other reasons	4 (13.33%)		
<b>Total</b>	<b>30</b>	<b>159</b>	<b>33</b>

<sup>29</sup> This was not an option in the questionnaire. This question was for respondents who have electricity in their villages and not at their homes. Hence, this question was not asked to these 33 respondents who live in a village that is unelectrified.

## 6.31. Cooking (tea, meals) by Men – mean and frequency

### 6.31.1.1 Grid, Nepal

-> country = Nepal, accesscategory = Grid

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	81	.7654321	2.486321	0	14
B26	81	1.259259	2.386304	0	14

### 6.31.1.2 Mini Grid, Nepal

-> country = Nepal, accesscategory = Mini Grid/ Micro Grid

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	96	.2395833	1.237525	0	7
B26	96	1.8125	2.935491	0	14

### 6.31.1.3 SHS only, Nepal

-> country = Nepal, accesscategory = SHS only

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	13	0	0	0	0
B26	13	.9230769	1.934836	0	6

### 6.31.1.4 Batteries/ Solar Lanterns only, Nepal

-> country = Nepal, accesscategory = Batteries/ Solar Lanterns only

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	24	0	0	0	0
B26	24	1.708333	3.406888	0	14

### 6.31.1.5 No Access, Nepal

-> country = Nepal, accesscategory = No Access

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	6	0	0	0	0
B26	6	3.333333	5.428321	0	14



### 6.31.2.1 Grid, Kenya

-> country = Kenya, accesscategory = Grid

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	32	3.0625	.2459347	3	4
B26	32	.5	.9837388	0	4

### 6.31.2.2 Mini Grid, Kenya

-> country = Kenya, accesscategory = Mini Grid/ Micro Grid

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	6	2.666667	.8164966	1	3
B26	6	1.166667	1.47196	0	3

### 6.31.2.3 SHS only, Kenya

-> country = Kenya, accesscategory = SHS only

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	58	2.982759	.2287555	2	4
B26	55	.4909091	.9000561	0	4

### 6.31.2.4 Batteries/ Solar Lanterns only, Kenya

-> country = Kenya, accesscategory = Batteries/ Solar Lanterns only

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	7	2.714286	.48795	2	3
B26	4	0	0	0	0

### 6.31.2.5 Standalone generators only, Kenya

-> country = Kenya, accesscategory = Stand alone generators only

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	4	3	0	3	3
B26	4	.5	1	0	2

### 6.31.2.6 No Access, Kenya

-> country = Kenya, accesscategory = No Access

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	99	2.767677	.4700908	1	4
B26	30	2.233333	1.222866	0	5

### 6.31.3.1 Grid, India

-> country = India, accesscategory = Grid

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	12	2.583333	1.621354	1	7
B26	3	1	0	1	1

### 6.31.3.2 Mini Grid, India

-> country = India, accesscategory = Mini Grid/ Micro Grid

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	17	3.588235	2.373258	1	7
B26	10	2.5	2.415229	1	7

### 6.31.3.3 Batteries only, India

-> country = India, accesscategory = Batteries/ Solar Lanterns only

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	2	1	0	1	1
B26	1	1	.	1	1

### 6.31.3.3 No Access, India

Variable	Obs	Mean	Std. Dev.	Min	Max
B25	4	2.5	3	1	7
B26	2	4	4.242641	1	7

## Annex A.1: Survey Questionnaire NO ACCESS

Householders without subscription to electricity. For electrified and non-electrified villages.  
Before the interview, please fill in the unnumbered part.

Enumerator's name:		Gender: Female <input type="checkbox"/> Male <input type="checkbox"/>					
Questionnaire no.:		Date:					
Country and State:		Region/County:					
District:		Name of village:					
Electricity in village	Grid: Yes <input type="checkbox"/> No <input type="checkbox"/>	Decentralised system, village level: Yes <input type="checkbox"/> No <input type="checkbox"/>					
Language used:							
Translator:	Yes <input type="checkbox"/> No <input type="checkbox"/>	Gender: Female <input type="checkbox"/> Male <input type="checkbox"/>	Name:				
<b>SECTION A: RESPONDENT DETAILS AND TYPE OF HOUSEHOLD</b>							
A0 1	Name of respondent:						
A0 2	Age:						
A0 3	Gender: Female <input type="checkbox"/> Male <input type="checkbox"/>						
A0 4	Marital status:	Single <input type="checkbox"/> Married <input type="checkbox"/> Divorced <input type="checkbox"/> Widowed <input type="checkbox"/>					
A0 5	Other people present during the interview: (observe, do not ask)		Women <input type="checkbox"/> Men <input type="checkbox"/> Children <input type="checkbox"/>				
A0 6	Number of adults living here:	Women:		Men:			
A0 7	Do you live together with your :	Parents <input type="checkbox"/> In-laws <input type="checkbox"/> N/A <input type="checkbox"/>					
A0 8	Children and school enrolment	< 7 years		7-12 years		13-17 years	
		No.	(Pre) School	No.	School	No.	School
	No. of <b>Girls</b> & no. of girls enrolled						
No. of <b>Boys</b> & no. of boys enrolled							

A0 9	Total number of household members living together: _____																
A1 0	Children and homework																
A10. 1	Do the <b>girls</b> aged 7-12 do homework? Yes <input type="checkbox"/> Rarely <input type="checkbox"/> No <input type="checkbox"/> How many hours per day? Less than 1 hr <input type="checkbox"/> 1-2 hrs <input type="checkbox"/> > 2 hrs <input type="checkbox"/> Homework: are they assisted by Mother <input type="checkbox"/> Father <input type="checkbox"/> Other people <input type="checkbox"/> Nobody <input type="checkbox"/>																
A10. 2	Do the <b>girls</b> aged 13-17 do homework? Yes <input type="checkbox"/> Rarely <input type="checkbox"/> No <input type="checkbox"/> How many hours per day? Less than 1 hr <input type="checkbox"/> 1-2 hrs <input type="checkbox"/> > 2 hrs <input type="checkbox"/> Homework: are they assisted by Mother <input type="checkbox"/> Father <input type="checkbox"/> Other people <input type="checkbox"/> Nobody <input type="checkbox"/>																
A10. 3	Do the <b>boys</b> aged 7-12 do homework? Yes <input type="checkbox"/> Rarely <input type="checkbox"/> No <input type="checkbox"/> How many hours per day? Less than 1 hr <input type="checkbox"/> 1-2 hrs <input type="checkbox"/> > 2 hrs <input type="checkbox"/> Homework: are they assisted by Mother <input type="checkbox"/> Father <input type="checkbox"/> Other people <input type="checkbox"/> Nobody <input type="checkbox"/>																
A10. 4	Do the <b>boys</b> aged 13-17 do homework? Yes <input type="checkbox"/> Rarely <input type="checkbox"/> No <input type="checkbox"/> How many hours per day? Less than 1 hr <input type="checkbox"/> 1-2 hrs <input type="checkbox"/> > 2 hrs <input type="checkbox"/> Homework: are they assisted by Mother <input type="checkbox"/> Father <input type="checkbox"/> Other people <input type="checkbox"/> Nobody <input type="checkbox"/>																
A1 1	Caste/tribe/clan/ethnic group:																
A1 2	Religious affiliation:																
A1 3	Characteristics of the house (also observe): Number of rooms incl. kitchen: _____  <table border="0"> <tr> <td><b>ROOF</b></td> <td><b>WALLS</b></td> <td><b>KITCHEN</b></td> </tr> <tr> <td>Thatched <input type="checkbox"/></td> <td>Mud/limestone <input type="checkbox"/></td> <td>Inside <input type="checkbox"/> Outside <input type="checkbox"/></td> </tr> <tr> <td>Tin/corrugated iron <input type="checkbox"/></td> <td>Brick/concrete <input type="checkbox"/></td> <td>With roof <input type="checkbox"/> Without roof <input type="checkbox"/></td> </tr> <tr> <td>Concrete/tiles <input type="checkbox"/></td> <td>Bamboo <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>Partly brick &amp; mud/bamboo <input type="checkbox"/></td> <td></td> </tr> </table> IF <b>COW SHED</b> , located in: Separate building <input type="checkbox"/> Adjacent to kitchen <input type="checkbox"/> Other location <input type="checkbox"/> IF <b>GOAT SHED</b> , located in: Separate building <input type="checkbox"/> Adjacent to kitchen <input type="checkbox"/> Other location <input type="checkbox"/>		<b>ROOF</b>	<b>WALLS</b>	<b>KITCHEN</b>	Thatched <input type="checkbox"/>	Mud/limestone <input type="checkbox"/>	Inside <input type="checkbox"/> Outside <input type="checkbox"/>	Tin/corrugated iron <input type="checkbox"/>	Brick/concrete <input type="checkbox"/>	With roof <input type="checkbox"/> Without roof <input type="checkbox"/>	Concrete/tiles <input type="checkbox"/>	Bamboo <input type="checkbox"/>			Partly brick & mud/bamboo <input type="checkbox"/>	
<b>ROOF</b>	<b>WALLS</b>	<b>KITCHEN</b>															
Thatched <input type="checkbox"/>	Mud/limestone <input type="checkbox"/>	Inside <input type="checkbox"/> Outside <input type="checkbox"/>															
Tin/corrugated iron <input type="checkbox"/>	Brick/concrete <input type="checkbox"/>	With roof <input type="checkbox"/> Without roof <input type="checkbox"/>															
Concrete/tiles <input type="checkbox"/>	Bamboo <input type="checkbox"/>																
	Partly brick & mud/bamboo <input type="checkbox"/>																
A1 4	Ownership of house:	Rented <input type="checkbox"/> Borrowed <input type="checkbox"/> Self-owned <input type="checkbox"/>															

A1 5	If house self-owned, who is owner <sup>30</sup> :		Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/>						
A1 6	Household keeps land (other than the land on which the house is located)?		Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>						
A1 7	If land, who is owner?		Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/>						
A1 8	<b>Respondent's</b> level of education:		No education <input type="checkbox"/> Primary <input type="checkbox"/> Secondary <input type="checkbox"/> Higher <input type="checkbox"/>						
A1 9	<b>Respondent's</b> ability to read/write: (any language)		Can read/write <input type="checkbox"/> Can write their name <input type="checkbox"/> Cannot read/write <input type="checkbox"/> No answer <input type="checkbox"/>						
A2 0	Does the woman in the household make an income? Yes <input type="checkbox"/> No <input type="checkbox"/> No answer <input type="checkbox"/> If yes, what are her sources of income?								
	Empl oyment <input type="checkbox"/>	Casual labour <input type="checkbox"/>	Agricultur e <input type="checkbox"/>	Business/ shop (registere d) <input type="checkbox"/>	Small shop <sup>31</sup> <input type="checkbox"/>	Produce/ sell small things <sup>32</sup> <input type="checkbox"/>	Remit tances <input type="checkbox"/>	Fishing / fish trading <input type="checkbox"/>	Other <input type="checkbox"/>
	If she is employed, type of job:					Income typical month:			
A2 1	Does the man make an income? Yes <input type="checkbox"/> No <input type="checkbox"/> No answer <input type="checkbox"/> N/A <input type="checkbox"/> If yes, what are his sources of income?								
	Empl oyment <input type="checkbox"/>	Casual labour <input type="checkbox"/>	Agricultur e <input type="checkbox"/>	Business/ shop (registere d) <input type="checkbox"/>	Small shop <sup>33</sup> <input type="checkbox"/>	Produce/ sell small things <sup>34</sup> <input type="checkbox"/>	Remit tances <input type="checkbox"/>	Fishing / fish trading <input type="checkbox"/>	Other <input type="checkbox"/>
	If he is employed, type of job:					Income typical month:			
A2 2	Who in the hh keeps a mobile phone? Woman <input type="checkbox"/> Man <input type="checkbox"/> Jointly <input type="checkbox"/> Other <input type="checkbox"/> Nobody <input type="checkbox"/> N/A <input type="checkbox"/>								

<sup>30</sup> Here and in other places, we state “woman” and “man” instead of wife and husband, but the latter is what we mean for couples who are married. For many of the questions it will be easiest/convenient to ask about the situation/opinion of “you” and “your spouse” instead of “the woman” and “the man”.

<sup>31</sup> Non-registered shop, for example at home or a food stall, where customers regularly come to buy.

<sup>32</sup> E.g. produce and sell handicrafts.

<sup>33</sup> Non-registered shop, for example at home or a food stall, where customers regularly come to buy.

<sup>34</sup> E.g. produce and sell handicrafts.

	Who uses a mobile bank facility? <sup>35</sup>	Woman <input type="checkbox"/> Man <input type="checkbox"/> Jointly <input type="checkbox"/> Other <input type="checkbox"/> Nobody <input type="checkbox"/> N/A <input type="checkbox"/>			
	Who keeps a bank account?	Woman <input type="checkbox"/> Man <input type="checkbox"/> Jointly <input type="checkbox"/> Other <input type="checkbox"/> Nobody <input type="checkbox"/>			
	Who is part of a savings group?	Woman <input type="checkbox"/> Man <input type="checkbox"/> Joint members <input type="checkbox"/> Other <input type="checkbox"/> Nobody <input type="checkbox"/>			
	Who have taken up a loan? <sup>36</sup>	Woman <input type="checkbox"/> Man <input type="checkbox"/> Both spouses <input type="checkbox"/> Other <input type="checkbox"/> Nobody <input type="checkbox"/>			
A2 3	Which of the following assets are kept in the household and who owns them/has custody? <sup>37</sup>				
	Assets		Who owns/has custody?		
		Woman	Man	Both	Other
	Beds <input type="checkbox"/>				
	Chickens <input type="checkbox"/>				
	Goat/sheep/donkey <input type="checkbox"/>				
	Cattle <input type="checkbox"/>				
	Silver Jewellery <input type="checkbox"/>				
	(may be relevant in India) Gold Jewellery <input type="checkbox"/>				
	Bicycle <input type="checkbox"/>				
	Moped, motorbike, car <input type="checkbox"/>				
Sewing machine (non-electric) <input type="checkbox"/>					
Other major assets ( <b>except house and land</b> )					
A2 4	Do you have access to tapped water	In the village ? Yes <input type="checkbox"/> No <input type="checkbox"/>		At home? Yes <input type="checkbox"/> No <input type="checkbox"/>	
A2 5	If no tap at home, who most often collects the water You <input type="checkbox"/> Your spouse <input type="checkbox"/> Girls <input type="checkbox"/> Boys <input type="checkbox"/> Other women <input type="checkbox"/> Other men <input type="checkbox"/> N/A <input type="checkbox"/> Time spent fetching water and returning home (minutes): _____ Times (no.) per day: _____ If you pay for the water, how much per 20 litre: _____				
A2 6	What is the distance from this hh to the village centre/market/school? (minutes' walk): _____				
A2 7	Do you have access to health facilities within 30 minutes' walking distance? Yes <input type="checkbox"/> No <input type="checkbox"/>				
A2 8	If grid/mini-grid <u>in the village</u> : How many meters from household to <u>low</u> tension line (to which buildings can be connected directly without step-down transformer): _____				

<sup>35</sup> E.g. M-PESA, the possibility to send and receive money by using a mobile phone. If both the woman and man keeps mobile and use mobil bank, tick off for both "woman" and "man" – not "jointly".

<sup>36</sup> Only tick off for loans from formal institutions such as banks and saving groups. We presume that informal loans from relatives and friends is common, but not to be registered here.

<sup>37</sup> By "who owns" we mean who is entitled to decide on the item (and ultimately bring in the case of divorce or widowhood)

A2 9	For how long periods during the last 12 months did this hh <u>not</u> have enough food to eat? Never <input type="checkbox"/> A few days/weeks <input type="checkbox"/> 1-2 months <input type="checkbox"/> 3 months or more <input type="checkbox"/> Always food shortage <input type="checkbox"/>
A3 0	In such times, is there a preference for who in family is fed first? <sup>38</sup> Yes <input type="checkbox"/> No <input type="checkbox"/>
A3 1	If so, who in the household are <u>most likely</u> to go to bed on an empty stomach? Women <input type="checkbox"/> Men <input type="checkbox"/> Girls <input type="checkbox"/> Boys <input type="checkbox"/> (elderly) Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/>
A3 2	What was the last major thing purchased and brought to this hh? _____ N/A <input type="checkbox"/> Who decided most? You <input type="checkbox"/> Your spouse <input type="checkbox"/> Jointly <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/> No answer <input type="checkbox"/>
A3 3	If <u>you personally</u> earn some money, do you tend to give it to somebody else? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Who in the household <u>tend to decide</u> how the money you have earned should be spent? You <input type="checkbox"/> Your spouse <input type="checkbox"/> Jointly <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/> No answer <input type="checkbox"/> N/A <input type="checkbox"/>
A3 4	Does your household have a connection to the national electricity grid? Yes <input type="checkbox"/> No <input type="checkbox"/>
A3 4	Is your hh using <u>other forms of electricity</u> (than national grid)? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, type of subscription (mark several if relevant): Mini-grid/Micro-grid <input type="checkbox"/> Solar Home System <input type="checkbox"/> Stand-alone generator <input type="checkbox"/> Lantern renting/Charging station <input type="checkbox"/> Car battery <input type="checkbox"/> Other <input type="checkbox"/>

**SECTION B\_NO EL: FUEL AND ENERGY USE + BX: MOBILE, SLEEP, IMPACT OF WOMEN'S INVOLVEMENT IN SUPPLY, WHY NOT CONNECTED**

B01	What kind of energy sources does our household use for cooking and lighting? <i>For cooking: indicate which is the <u>main</u> type of fuel by drawing a circle around the ticked mark</i>		
		<b>Cooking</b>	<b>Lighting</b>
	Firewood, branches, dung, other biofuels, maize cobs		
	Briquettes		
	Charcoal		
	Kerosene/paraffin		
	Candle		
	Diesel		
	Low pressure gas (LPG)		
	Dry cell batteries		

<sup>38</sup> For example, are children fed, while the parents go without food

	Solar torch (micro)		
	Car battery		
	Other battery (e.g. small chargeable)		
	Electricity, sockets (grid/mini-grid)		
	Electricity, sockets (SHS)		
	Electricity, portable lanterns		
	Mobile phone (as torch)		
B02	If you use kerosene for lighting, do you also use this for productive purposes (e.g. irrigation pump)? Yes <input type="checkbox"/> No <input type="checkbox"/>		
B03 (RA4)	During the last 12 months, which cook stoves did your hh use for preparing meals: 3-stone/fire stove <input type="checkbox"/> Other self-built stove <input type="checkbox"/> Manufactured wood stove <input type="checkbox"/> LPG <input type="checkbox"/> Other <input type="checkbox"/>		
B04	<u>If solar lantern for light</u> : How many lanterns in the hh? One <input type="checkbox"/> More than one <input type="checkbox"/> N/A <input type="checkbox"/> In <u>which rooms</u> are they used the most? N/A <input type="checkbox"/> <input type="checkbox"/> Kitchen <input type="checkbox"/> Entrance/corridor <input type="checkbox"/> Living room <input type="checkbox"/> Bedroom <input type="checkbox"/> Toilet <input type="checkbox"/> Storage room <input type="checkbox"/> Cow shed <input type="checkbox"/> Outside <input type="checkbox"/> Other location <input type="checkbox"/>		
	Who in the family tends to <u>decide most on when and where</u> these light sources should be used? You <input type="checkbox"/> Your spouse <input type="checkbox"/> Both spouses/joined decision <input type="checkbox"/> Other women <input type="checkbox"/> Other men <input type="checkbox"/> Don't know <input type="checkbox"/>		
B05	If solar lantern or torch: can this be used for charging a mobile phone? Yes <input type="checkbox"/> No <input type="checkbox"/>		
B06	If firewood (or branches/dung/biofuel) <sup>39</sup> is used for cooking, is it <u>Mainly</u> collected <input type="checkbox"/> Bought <input type="checkbox"/> Collected and bought <input type="checkbox"/> N/A <input type="checkbox"/>		
B07	If firewood is collected, who in the household normally collects it? Women <input type="checkbox"/> Man <input type="checkbox"/> Girls <input type="checkbox"/> Boys <input type="checkbox"/> Other women <input type="checkbox"/> Other men <input type="checkbox"/> N/A <input type="checkbox"/>		
B07	<b>If Dung is collected, who in the household normally collects it?</b> N/A <input type="checkbox"/> Woman <input type="checkbox"/> Man <input type="checkbox"/> Girls <input type="checkbox"/> Boys <input type="checkbox"/> Other women <input type="checkbox"/> Other men <input type="checkbox"/>		
B08	What is her/his means of transport for collecting firewood? By foot <input type="checkbox"/> Bicycle <input type="checkbox"/> Donkey <input type="checkbox"/> Public transport <input type="checkbox"/> Motorbike <input type="checkbox"/> Other <input type="checkbox"/> N/A <input type="checkbox"/>		
B09	During a typical month, how many hours does the hh (total) spend collecting firewood?		

<sup>39</sup> In the questions that follow, we include branches and dung (and other biofuels collected) when firewood is stated.



	How many trips per week <sup>40</sup> _____ How much time is spent per trip:_____ N/A <input type="checkbox"/>
B10	<b>During a typical week, how many hours does the hh (total) spend collecting Dung?</b> How many trips per week_____ How much time is spent per trip:_____ N/A <input type="checkbox"/>
B10	If firewood is purchased, who normally pays for the firewood? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/> No answer <input type="checkbox"/>
B11	If <b>charcoal/briquettes/ other biomass</b> are purchased, who normally pays for the charcoal/briquettes? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/> No answer <input type="checkbox"/>
B12	If <b>LPG</b> is purchased, what is the cost? _____(cost) per_____ (volume) N/A <input type="checkbox"/>
B13	If LPG is purchased, how much money is spent during a typical week?_____ N/A <input type="checkbox"/>
B14	Who normally pays for the LPG? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/> N/A <input type="checkbox"/>
B15	If <b>kerosene/paraffin</b> is purchased: N/A <input type="checkbox"/> How much money is spent during a typical week/month? _____ per _____ Who hh normally goes to buy the kerosene? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Girls <input type="checkbox"/> Boys <input type="checkbox"/> Others <input type="checkbox"/> N/A <input type="checkbox"/> Who normally pays for the kerosene? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Others <input type="checkbox"/> N/A <input type="checkbox"/>
B16	What is the current (market) price of kerosene in your village? _____(local currency) per _____ (volume) If kerosene is subsidised, what is the price? _____ (local currency) per _____ (volume)
B17 (RA4)	Have the following members ever experienced physical risks (e.g. violence) when <u>collecting firewood/biomass</u> ? Woman: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Man: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Girls: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Boys: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
B18	Have the following members ever experienced physical risks when <u>fetching water</u> ? Woman: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Man: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

<sup>40</sup> If they collect firewood and other biomass more rarely than once a week, then state number of times per month while making clear note of this in the form. Also make clear whether time spent is given in minutes or hours!

	Girls:      Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Boys:      Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
B19	Have the following members ever experienced physical risks when <u>going to school or market</u> ? Woman:    Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Man:        Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Girls:       Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Boys:       Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
B20	Have the following members ever experienced physical risks when <u>going to the toilet or taking a bath</u> ? Woman:    Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Man:        Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Girls:       Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Boys:       Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
B21	How many meals (including breakfast) are normally cooked per day in this hh? _____
B22	During the <u>last week</u> , how many times did a <u>male</u> member of the hh prepare tea?_____
B23	During the <u>last week</u> , how many times did a <u>male</u> member of the hh cook a meal? _____
B24	When do people in this hh normally go to sleep and when do they get up in the morning Woman:    Goes to sleep _____ (hrs) Gets up in the morning: _____ (hrs) N/A <input type="checkbox"/> Man:        Goes to sleep _____ (hrs) Gets up in the morning: _____ (hrs) N/A <input type="checkbox"/> Girls:       Goes to sleep _____ (hrs) Gets up in the morning: _____ (hrs) N/A <input type="checkbox"/> Boys:       Goes to sleep _____ (hrs) Gets up in the morning: _____ (hrs) N/A <input type="checkbox"/>
B25	If a woman owned a traditional item (India: jewelry; Kenya: a bed), would she keep it in the case of divorce or widowhood? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>  If a woman owned a radio/freezer/TV, would she keep it in the case of divorce or widowhood? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
B26	<b>IF ELECTRICITY IN THE VILLAGE AND WOMEN INVOLVED IN SUPPLY:</b> Was this the first time you witnessed that women held this kind of position/responsibility? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>

	<p>Did women's involvement in supply change the way you think about women and what they can do?      Yes <input type="checkbox"/>      No <input type="checkbox"/>      Don't know <input type="checkbox"/>      If yes, how? _____</p> <p>Did this change the way you think about your daughter(s) or young girls in general and what they may be able to do in the future?    Yes <input type="checkbox"/>    No <input type="checkbox"/>    Don't know <input type="checkbox"/></p>
B27	<p><b>IF ELECTRICITY IN THE VILLAGE AND HH HAS <u>NOT</u> SUBSCRIBED (BARRIERS TO ACCESS)</b></p> <p>What are the reasons why your hh has not yet subscribed to electricity? (<i>mark multiple answers if applicable</i>)</p> <p>All members of our hh fully agree that we are not interested <input type="checkbox"/></p> <p>We disagree internally whether we want electricity <input type="checkbox"/></p> <p>Woman    wants <input type="checkbox"/>    don't want <input type="checkbox"/></p> <p>Man        wants <input type="checkbox"/>    don't want <input type="checkbox"/></p> <p>Others    want <input type="checkbox"/>    don't want <input type="checkbox"/></p> <p>We cannot afford to pay for it <input type="checkbox"/></p> <p>(<i>If relevant</i>): Subscription cost _____ Consumption cost _____</p> <p>We live in a location which makes it impossible/inconvenient to subscribe <input type="checkbox"/></p> <p>The house we live in is unsuited for electricity subscription <input type="checkbox"/></p> <p>(<i>If relevant</i>): Roof is unsuited <input type="checkbox"/> Walls are unsuited <input type="checkbox"/> Other (specify): _____</p> <p>We do not relate well to the people who are in charge of supply <input type="checkbox"/></p> <p>We have tried to obtain a subscription, but were denied <input type="checkbox"/></p> <p>We have not received information about how to subscribe <input type="checkbox"/></p> <p>We do not own the house ourselves <input type="checkbox"/></p> <p>People who don't live in the house on a regular basis, but provided the house or other types of support (e.g. migrant husband), do not find it necessary <input type="checkbox"/></p> <p>We are fine with the type of light we have today and do not need subscription <input type="checkbox"/></p> <p>The service is too unreliable <input type="checkbox"/></p> <p>Other reasons <input type="checkbox"/> please specify: _____</p>

B28	Does your neighbour or people within 10 minutes walking distance have electricity access at home? Yes <input type="checkbox"/> No <input type="checkbox"/>
B29	If you were to <u>change</u> your type of supply, what kind of supply would be <u>affordable</u> and <u>preferable to various members of the hh</u> (w/m),? Woman: Grid 24 hrs <input type="checkbox"/> Mini-grid <input type="checkbox"/> Lanterns <input type="checkbox"/> Solar home systems <input type="checkbox"/> No change <input type="checkbox"/> Don't know <input type="checkbox"/> Man: Grid 24 hrs <input type="checkbox"/> Mini-grid <input type="checkbox"/> Lanterns <input type="checkbox"/> Solar home systems <input type="checkbox"/> No change <input type="checkbox"/> Don't know <input type="checkbox"/>
B30	In your neighbourhood, is it safe to walk outside after darkness for members of your hh? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
B31	To what extent has electricity in your neighborhood made it safer to walk outside after darkness? To a high extent <input type="checkbox"/> To some extent <input type="checkbox"/> Not at all <input type="checkbox"/> Don't know <input type="checkbox"/>

SECTION C: Mobiles/television/internet + Norms + assessment of electricity's impact: For ALL	
C01 RA4 ESMAP	Who in this hh is a member of a group or committee in this community? Woman: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Man: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
C02 RA4	Who in this hh voted during the last political election? Woman: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> No answer <input type="checkbox"/> Man: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> No answer <input type="checkbox"/>
C03	If they were given equal education and opportunities, do you think that women and men have the same <u>capabilities</u> to serve their community and country? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
C04	Do you think that a husband may sometimes be entitled to beat his spouse if she fails to behave as a good wife? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
C05	In which situations does a wife need permission from her husband?  When she wants to purchase a major item: Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>  When she wants to travel to visit a doctor or obtain remittances/vouches: Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
C06	Does it happen that a husband needs permission from his wife? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
C07	Who tends to decide on the following issues?

	<p>Health (including women's reproductive health): Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>Children's education etc: Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Choice of marriage partner: Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/></p>
C08	<p>When a woman travels, (e.g. to the closest town) may she go (tick off for all that applies)</p> <p>On her own <input type="checkbox"/> With male relative(s) <input type="checkbox"/> With children <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/></p>
C09	<p>On her last trip, the woman in this household travelled:</p> <p>On her own <input type="checkbox"/> With male relative(s) <input type="checkbox"/> With children <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/></p>
C10	<p>As a parent, would you prefer getting:</p> <p>Daughters rather than sons <input type="checkbox"/> Sons rather than daughters <input type="checkbox"/> No difference <input type="checkbox"/> Don't know <input type="checkbox"/></p>
C11	<p>If you keep a mobile, do you charge it: At home <input type="checkbox"/> At another place <input type="checkbox"/> N/A <input type="checkbox"/></p> <p>How good is the mobile coverage in this area (making it possible to use a phone for calling):</p> <p>Good <input type="checkbox"/> Only good in some places <input type="checkbox"/> Not good <input type="checkbox"/> Don't know <input type="checkbox"/></p>
C12	<p>If coverage, what kind of functions/purposes do you use the phone for?</p> <p>Speak with relatives/friends about everyday, social matters Daily <input type="checkbox"/> Sometimes <input type="checkbox"/> Never <input type="checkbox"/></p> <p>Call relatives/friends to get assistance in difficult times Daily <input type="checkbox"/> Sometimes <input type="checkbox"/> Never <input type="checkbox"/></p> <p>Speak with people about income generation activities (e.g. prices) Daily <input type="checkbox"/> Sometimes <input type="checkbox"/> Never <input type="checkbox"/></p> <p>Send/receive text messages (about any issue) Daily <input type="checkbox"/> Sometimes <input type="checkbox"/> Never <input type="checkbox"/></p> <p>Is Internet available in this area (coverage)? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>In your home, can you access Internet through your phone? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/></p>
C13	<p>If coverage in the area, how often do you use the Internet to</p> <p>Obtain information: Never <input type="checkbox"/> Sometimes <input type="checkbox"/> Weekly <input type="checkbox"/> Daily <input type="checkbox"/></p> <p>Communicate with others: Never <input type="checkbox"/> Sometimes <input type="checkbox"/> Weekly <input type="checkbox"/> Daily <input type="checkbox"/></p> <p>Use of social media like Facebook or Whatsapp: Never <input type="checkbox"/> Sometimes <input type="checkbox"/> Weekly <input type="checkbox"/> Daily <input type="checkbox"/></p>
C14	<p>Television: Do you regularly watch television? No <input type="checkbox"/> Yes <input type="checkbox"/></p> <p>Who in this hh watches television at least 1-3 times a week? N/A <input type="checkbox"/></p> <p>Woman <input type="checkbox"/> Man <input type="checkbox"/> Girls <input type="checkbox"/> Boys <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> All <input type="checkbox"/> Nobody <input type="checkbox"/></p> <p>Where do tend to watch television?</p> <p>At home <input type="checkbox"/> At neighbours <input type="checkbox"/> At market/shop/village centre <input type="checkbox"/> Other <input type="checkbox"/></p>

	<p>If you watch television, please indicate if you agree with the following statements N/A <input type="checkbox"/></p> <p>'Television has taught me many things of practical use' Agree <input type="checkbox"/> Disagree <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>'Television has inspired me to think that women and men should have equal rights' Agree <input type="checkbox"/> Disagree <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>'Television has inspired me to do things in a different way' Agree <input type="checkbox"/> Disagree <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>'Television poses a threat to the children in terms of negative influence'<sup>41</sup> Agree <input type="checkbox"/> Disagree <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>'Inspired from what they have watched on television, more people are now <i>practicing family planning</i>'<sup>42</sup> Agree <input type="checkbox"/> Disagree <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>'Television has put pressure on my time use' Agree <input type="checkbox"/> Disagree <input type="checkbox"/> Don't know <input type="checkbox"/></p>
	<p>The use of electricity (including mobiles, Internet and television) may have positive and negative effects. In your opinion, may there be some <u>negative effects</u> for:</p> <p>Women: Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>Men: Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>Girls: Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>Boys: Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>Negative effects for particular groups (e.g. castes, religious groups): Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>Negative effects for the community in general: Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/></p>
C15	<p>(scale: 1 not at all, 2 sometimes, 3 often, 4 always, 0 don't know)</p> <p>Do you feel that women can decide over matters that concern or affect them? _____</p> <p>Do you feel that men can decide over matters that concern or affect them? _____</p> <p>Given that some households (and possibly shops and public services) have access to electricity in this village, what is your <u>overall impression</u> of the impact of this on the lives of people (with or without electricity at home):</p> <p>Women: Improved <input type="checkbox"/> More difficult <input type="checkbox"/> Same as before <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>Men: Improved <input type="checkbox"/> More difficult <input type="checkbox"/> Same as before <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>Girls: Improved <input type="checkbox"/> More difficult <input type="checkbox"/> Same as before <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>Boys: Improved <input type="checkbox"/> More difficult <input type="checkbox"/> Same as before <input type="checkbox"/> Don't know <input type="checkbox"/></p>

## Annex A.2: Survey Questionnaire [ACCESS](#)

*Householders with subscription to electricity (including solar home systems)*

Before the interview, please fill in the unnumbered part. Various explanations provided in footnotes.

<sup>41</sup> Note for enumerator: for example, distraction from studies, demanding things they see on TV, change in behaviour

<sup>42</sup> Note for enumerator: for example, contraceptives

Enumerator's name:		Gender: Female <input type="checkbox"/> Male <input type="checkbox"/>					
Questionnaire no.:		Date:					
Country and State:		Region/County:					
District:		Name of village:					
Electricity in village	Grid: Yes <input type="checkbox"/> No <input type="checkbox"/>	Decentralised system, village level: Yes <input type="checkbox"/> No <input type="checkbox"/>					
Language used:							
Translator:	Yes <input type="checkbox"/> No <input type="checkbox"/>	Gender: Female <input type="checkbox"/> Male <input type="checkbox"/>		Name:			
<b>SECTION A: RESPONDENT DETAILS AND TYPE OF HOUSEHOLD</b>							
A01	Name of respondent:						
A02	Age:						
A03	Gender: Female <input type="checkbox"/> Male <input type="checkbox"/>						
A04	Marital status:	Single <input type="checkbox"/> Married <input type="checkbox"/> Divorced <input type="checkbox"/> Widowed <input type="checkbox"/>					
A05	<i>Other people present during the interview: (observe, do not ask)</i>		Women <input type="checkbox"/> Men <input type="checkbox"/> Children <input type="checkbox"/>				
A06	Number of adults living here:	Women: _____ Men: _____					
A07	Do you live together with your :	Parents <input type="checkbox"/> In-laws <input type="checkbox"/> N/A <input type="checkbox"/>					
A08	Children and school enrolment	< 7 years		7-12 years		13-17 years	
		No.	(Pre) School	No.	School	No.	School
	No. of <b>Girls</b> & no. of girls enrolled						
	No. of <b>Boys</b> & no. of boys enrolled						
A09	Total number of household members living together:						
A10	Children and homework						

A10.1	Do the <b>girls</b> aged 7-12 do homework? Yes <input type="checkbox"/> Rarely <input type="checkbox"/> No <input type="checkbox"/> How many hours per day? Less than 1 hr <input type="checkbox"/> 1-2 hrs <input type="checkbox"/> > 2 hrs <input type="checkbox"/> Homework: are they assisted by Mother <input type="checkbox"/> Father <input type="checkbox"/> Other people <input type="checkbox"/> Nobody <input type="checkbox"/>																
A10.2	Do the <b>girls</b> aged 13-17 do homework? Yes <input type="checkbox"/> Rarely <input type="checkbox"/> No <input type="checkbox"/> How many hours per day? Less than 1 hr <input type="checkbox"/> 1-2 hrs <input type="checkbox"/> > 2 hrs <input type="checkbox"/> Homework: are they assisted by Mother <input type="checkbox"/> Father <input type="checkbox"/> Other people <input type="checkbox"/> Nobody <input type="checkbox"/>																
A10.3	Do the <b>boys</b> aged 7-12 do homework? Yes <input type="checkbox"/> Rarely <input type="checkbox"/> No <input type="checkbox"/> How many hours per day? Less than 1 hr <input type="checkbox"/> 1-2 hrs <input type="checkbox"/> > 2 hrs <input type="checkbox"/> Homework: are they assisted by Mother <input type="checkbox"/> Father <input type="checkbox"/> Other people <input type="checkbox"/> Nobody <input type="checkbox"/>																
A10.4	Do the <b>boys</b> aged 13-17 do homework? Yes <input type="checkbox"/> Rarely <input type="checkbox"/> No <input type="checkbox"/> How many hours per day? Less than 1 hr <input type="checkbox"/> 1-2 hrs <input type="checkbox"/> > 2 hrs <input type="checkbox"/> Homework: are they assisted by Mother <input type="checkbox"/> Father <input type="checkbox"/> Other people <input type="checkbox"/> Nobody <input type="checkbox"/>																
A11	Caste/tribe/clan/ethnic group:																
A12	Religious affiliation:																
A13	Characteristics of the house (also observe): Number of rooms incl. kitchen: _____ <table border="0"> <tr> <td><b>ROOF</b></td> <td><b>WALLS</b></td> <td><b>KITCHEN</b></td> </tr> <tr> <td>Thatched <input type="checkbox"/></td> <td>Mud/limestone <input type="checkbox"/></td> <td>Inside <input type="checkbox"/> Outside <input type="checkbox"/></td> </tr> <tr> <td>Tin/corrugated iron <input type="checkbox"/></td> <td>Brick/concrete <input type="checkbox"/></td> <td>With roof <input type="checkbox"/> Without roof <input type="checkbox"/></td> </tr> <tr> <td>Concrete/tiles <input type="checkbox"/></td> <td>Bamboo <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>Partly brick &amp; mud/bamboo <input type="checkbox"/></td> <td></td> </tr> </table> IF <b>COW SHED</b> , located in: Separate building <input type="checkbox"/> Adjacent to kitchen <input type="checkbox"/> Other location <input type="checkbox"/> IF <b>GOAT SHED</b> , located in: Separate building <input type="checkbox"/> Adjacent to kitchen <input type="checkbox"/> Other location <input type="checkbox"/>		<b>ROOF</b>	<b>WALLS</b>	<b>KITCHEN</b>	Thatched <input type="checkbox"/>	Mud/limestone <input type="checkbox"/>	Inside <input type="checkbox"/> Outside <input type="checkbox"/>	Tin/corrugated iron <input type="checkbox"/>	Brick/concrete <input type="checkbox"/>	With roof <input type="checkbox"/> Without roof <input type="checkbox"/>	Concrete/tiles <input type="checkbox"/>	Bamboo <input type="checkbox"/>			Partly brick & mud/bamboo <input type="checkbox"/>	
<b>ROOF</b>	<b>WALLS</b>	<b>KITCHEN</b>															
Thatched <input type="checkbox"/>	Mud/limestone <input type="checkbox"/>	Inside <input type="checkbox"/> Outside <input type="checkbox"/>															
Tin/corrugated iron <input type="checkbox"/>	Brick/concrete <input type="checkbox"/>	With roof <input type="checkbox"/> Without roof <input type="checkbox"/>															
Concrete/tiles <input type="checkbox"/>	Bamboo <input type="checkbox"/>																
	Partly brick & mud/bamboo <input type="checkbox"/>																
A14	Nature of ownership of house:	Rented <input type="checkbox"/> Borrowed <input type="checkbox"/> Self-owned <input type="checkbox"/>															
A15	If house self-owned, who is owner <sup>43</sup> :	Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/>															
A16	Household keeps land (other than the land on	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>															

<sup>43</sup> Here and in other places, we state “woman” and “man” instead of wife and husband, but the latter is what we mean for couples who are married. For many of the questions it will be easiest/convenient to ask about the situation/opinion of “you” and “your spouse” instead of “the woman” and “the man”.



	which the house is located)?								
A17	If land, who is owner?	Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/>							
A18	<b>Respondent's</b> level of education:	No education <input type="checkbox"/> Primary <input type="checkbox"/> Secondary <input type="checkbox"/> Higher <input type="checkbox"/>							
A19	<b>Respondent's</b> ability to read/write: (any language)	Can read/write <input type="checkbox"/> Can write their name <input type="checkbox"/> Cannot read/write <input type="checkbox"/> No answer <input type="checkbox"/>							
A20	Does the woman in the household make an income? Yes <input type="checkbox"/> Sometimes <input type="checkbox"/> No <input type="checkbox"/> No answer <input type="checkbox"/> If yes, what are her sources of income?								
	Empl o-yed <input type="checkbox"/>	Casua l labou r <input type="checkbox"/>	Agricult ure <input type="checkbox"/>	Business/ shop (registered ) <input type="checkbox"/>	Small shop <sup>44</sup> <input type="checkbox"/>	Produce/ sell small things <sup>45</sup> <input type="checkbox"/>	Remit t- ances <input type="checkbox"/>	Fishing / fish trading <input type="checkbox"/>	Ot her <input type="checkbox"/>
	If she is employed, type of job:					Income typical month:			
A21	Does the man make an income? Yes <input type="checkbox"/> No <input type="checkbox"/> No answer <input type="checkbox"/> N/A <input type="checkbox"/> If yes, what are his sources of income?								
	Empl oyed <input type="checkbox"/>	Casua l labou r <input type="checkbox"/>	Agricult ure <input type="checkbox"/>	Business/ shop (registered ) <input type="checkbox"/>	Small shop <input type="checkbox"/>	Produce/ sell small things <input type="checkbox"/>	Remit tances <input type="checkbox"/>	Fishing / fish trading <input type="checkbox"/>	Ot her <input type="checkbox"/>
	If he is employed, type of job:					Income typical month:			
A22	Who in the hh keeps a mobile phone? Woman <input type="checkbox"/> Man <input type="checkbox"/> Jointly <input type="checkbox"/> Other <input type="checkbox"/> Nobody <input type="checkbox"/> N/A <input type="checkbox"/> Who uses a mobile bank facility? <sup>46</sup> Woman <input type="checkbox"/> Man <input type="checkbox"/> Jointly <input type="checkbox"/> Other <input type="checkbox"/> Nobody <input type="checkbox"/> N/A <input type="checkbox"/> Who keeps a bank account? Woman <input type="checkbox"/> Man <input type="checkbox"/> Jointly <input type="checkbox"/> Other <input type="checkbox"/> Nobody <input type="checkbox"/> Who is part of a savings group? Woman <input type="checkbox"/> Man <input type="checkbox"/> Joint members <input type="checkbox"/> Other <input type="checkbox"/> Nobody <input type="checkbox"/>								

<sup>44</sup> Non-registered shop, for example at home or a food stall, where customers regularly come to buy.

<sup>45</sup> E.g. produce and sell handicrafts.

<sup>46</sup> E.g. M-PESA, the possibility to send and receive money by using a mobile phone. If both the woman and man keeps mobile and use mobil bank, tick off for both "woman" and "man" – not "jointly".

	Who have taken up a loan? <sup>47</sup> Woman <input type="checkbox"/> Man <input type="checkbox"/> Both spouses <input type="checkbox"/> Other <input type="checkbox"/> Nobody <input type="checkbox"/>				
A23	Which of the following assets are kept in the household and who owns them/has custody? <sup>48</sup>				
	Asset	Who owns/has custody?			
		Woman	Man	Both	Other
	Beds <input type="checkbox"/>				
	Chickens <input type="checkbox"/>				
	Goat/sheep/donkey <input type="checkbox"/>				
	Cattle <input type="checkbox"/>				
	Silver Jewellery <input type="checkbox"/>				
	(may be relevant in India) Gold Jewellery <input type="checkbox"/>				
	Bicycle <input type="checkbox"/>				
	Moped, motorbike, car <input type="checkbox"/>				
	Sewing machine (non-electric) <input type="checkbox"/>				
Other major assets ( <b>except house and land</b> )					
A24	Do you have access to tapped water	In the village? Yes <input type="checkbox"/> No <input type="checkbox"/>		At home? Yes <input type="checkbox"/> No <input type="checkbox"/>	
A25	If not tap at home, who most often collects the water You <input type="checkbox"/> Your spouse <input type="checkbox"/> Girls <input type="checkbox"/> Boys <input type="checkbox"/> Other women <input type="checkbox"/> Other men <input type="checkbox"/> N/A <input type="checkbox"/> Time spent fetching water and returning home (minutes): _____ Times (no.) per day: _____ If you pay for the water, how much per 20 litre: _____				
A26	What is the distance from this hh to the village centre/market/school? (minutes' walk): _____				
A27	Do you have access to health facilities within 30 minutes' walking distance? Yes <input type="checkbox"/> No <input type="checkbox"/>				
A28	If grid/mini-grid <u>in the village</u> : How many meters from household to <u>low</u> tension line (to which buildings can be connected directly without step-down transformer): _____				
A29	For how long periods during the last 12 months did this hh <u>not</u> have enough food to eat?				

<sup>47</sup> Only tick off for loans from formal institutions such as banks and saving groups. We presume that informal loans from relatives and friends is common, but not to be registered here.

<sup>48</sup> By "who owns" we mean who is entitled to decide on the item (and ultimately bring in the case of divorce or widowhood)

	Never <input type="checkbox"/> A few days/weeks <input type="checkbox"/> 1-2 months <input type="checkbox"/> 3 months or more <input type="checkbox"/> Always food shortage <input type="checkbox"/>
A30	In times of food scarcity, who in the household are <u>most likely</u> to go to bed on an empty stomach? Women <input type="checkbox"/> Men <input type="checkbox"/> Girls <input type="checkbox"/> Boys <input type="checkbox"/> (elderly) Parents/in-laws <input type="checkbox"/> All <input type="checkbox"/> Other <input type="checkbox"/> N/A <input type="checkbox"/>
A31	What was the last major thing purchased and brought to this hh? _____ N/A <input type="checkbox"/> Who decided most? You <input type="checkbox"/> Your spouse <input type="checkbox"/> Jointly <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/> No answer <input type="checkbox"/>
A32	If <u>you personally</u> earn some money, do you tend to give it to somebody else? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Who in the household <u>tend to decide</u> how the money you have earned should be spent? You <input type="checkbox"/> Your spouse <input type="checkbox"/> Jointly <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/> No answer <input type="checkbox"/> N/A <input type="checkbox"/>
A33	Does your household have a connection to the national electricity grid? Yes <input type="checkbox"/> No <input type="checkbox"/>
A34	Is your hh using <u>other forms of electricity</u> (than national grid)? Yes <input type="checkbox"/> No <input type="checkbox"/> Type of subscription (mark several if relevant): Mini-grid/Micro-grid <input type="checkbox"/> Solar Home System <input type="checkbox"/> Stand-alone generator <input type="checkbox"/> Lantern renting <input type="checkbox"/> Battery Charging station <input type="checkbox"/> Car battery <input type="checkbox"/> Other <input type="checkbox"/>

SECTION B_EL: FUEL AND ENERGY USE			
B01	What kind of energy sources does our household use for cooking and lighting? <i>For cooking: indicate which is the <u>main</u> type of fuel by drawing a circle around the ticked mark</i>		
		Cooking	Lighting
	Firewood, branches, dung, other biofuels, maize cobs		
	Briquettes		
	Charcoal		
	Kerosene/paraffin		
	Candle		
	Diesel		
	Low pressure gas (LPG)		
	Dry cell batteries		
	Solar torch (micro)		
	Car battery		
	Other battery (e.g. small chargeable)		
	Electricity, sockets (grid/mini-grid)		
	Electricity, sockets (SHS)		
	Electricity, portable lanterns		
Mobile phone (as torch)			
B02	If you use kerosene for lighting, do you also use this for productive purposes (e.g. irrigation pump)? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/>		
B03 (RA4)	During the last 12 months, which cook stoves did your hh use for preparing meals: N/A <input type="checkbox"/> 3-stone/fire stove <input type="checkbox"/> Other self-built stove <input type="checkbox"/> Manufactured wood stove <input type="checkbox"/> LPG <input type="checkbox"/> Electric rice cooker <input type="checkbox"/> Other electric (plate/stove) <input type="checkbox"/> Other <input type="checkbox"/>		
B04	Does your household have Grid/Mini Grid connection?		
B04	If Grid/Mini-grid: how many light points in the house? _____ <input type="checkbox"/>		N/A
B05	If Grid/Mini-grid: In which rooms are the electric lights located? <input type="checkbox"/> Kitchen <input type="checkbox"/> Entrance/corridor <input type="checkbox"/> Living room <input type="checkbox"/> Bedroom <input type="checkbox"/> Toilet <input type="checkbox"/> Storage room <input type="checkbox"/> Cowshed <input type="checkbox"/> Outside <input type="checkbox"/> Other location <input type="checkbox"/>		N/A
B06	If Grid/Mini-grid: Who in the household decided <u>most</u> on where to put up the lights? N/A <input type="checkbox"/>		

	Woman <input type="checkbox"/> Man <input type="checkbox"/> Jointly <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/> No answer <input type="checkbox"/>
B07	Does your household have Solar lanterns?
B07	<p><u>If solar lantern for light</u>: How many lanterns in the hh? One <input type="checkbox"/> More than one <input type="checkbox"/> N/A <input type="checkbox"/></p> <p>In <u>which rooms</u> are they used the most? N/A <input type="checkbox"/></p> <p>Kitchen <input type="checkbox"/> Entrance/corridor <input type="checkbox"/> Living room <input type="checkbox"/> Bedroom <input type="checkbox"/> Toilet <input type="checkbox"/> Storage room <input type="checkbox"/></p> <p>Cow shed <input type="checkbox"/> Outside <input type="checkbox"/> Other location <input type="checkbox"/></p>
B08	If solar lantern or torch: can this be used for charging a mobile phone? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
B09	If firewood (or branches/dung/biofuel) <sup>49</sup> is used for cooking, is it N/A <input type="checkbox"/> <u>Mainly</u> collected <input type="checkbox"/> Bought <input type="checkbox"/> Collected and bought <input type="checkbox"/>
B10	If firewood is collected, who in the household normally collects it? N/A <input type="checkbox"/> <input type="checkbox"/> Woman <input type="checkbox"/> Man <input type="checkbox"/> Girls <input type="checkbox"/> Boys <input type="checkbox"/> Other women <input type="checkbox"/> Other men <input type="checkbox"/>
B11	What is her/his means of transport for collecting firewood? By foot <input type="checkbox"/> Bicycle <input type="checkbox"/> N/A <input type="checkbox"/> Donkey <input type="checkbox"/> Public transport <input type="checkbox"/> Motorbike <input type="checkbox"/> Other <input type="checkbox"/>
B12	During a typical week, how many hours does the hh (total) spend collecting firewood? How many trips per week <sup>50</sup> _____ How much time is spent per trip: _____ N/A <input type="checkbox"/>
B13	If firewood is purchased, who normally pays for the firewood? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/> No answer <input type="checkbox"/> N/A <input type="checkbox"/>
B15 (RA4)	If LPG is purchased, what is the cost? _____(cost) per _____ (volume) N/A <input type="checkbox"/>
B16 (RA4)	If LPG is purchased, how much money is spent during a typical week? _____ N/A <input type="checkbox"/>
B17 (RA4)	Who normally pays for the LPG? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/> N/A <input type="checkbox"/>
B18	<p>If <b>kerosene/paraffin</b> is purchased: N/A <input type="checkbox"/></p> <p>How much money is spent during a typical week/month? _____ per _____</p> <p>Who in hh normally goes to buy the kerosene?</p> <p>Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Girls <input type="checkbox"/> Boys <input type="checkbox"/> Others <input type="checkbox"/></p> <p>Who normally pays for the kerosene?</p>

<sup>49</sup> In the questions that follow, we include branches and dung (and other biofuels collected) when firewood is stated.

<sup>50</sup> If they collect firewood more rarely than once a week, then state number of times per month while making clear note of this in the form. Also make clear whether time spent is given in minutes or hours!

	Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Others <input type="checkbox"/>
B19	What is the current (market) price of kerosene in your village? _____ (local currency) per _____ (volume) If kerosene is subsidised, what is the price? _____ (local currency) per _____ (volume)
B20 (RA4)	Have the following members ever experienced physical risks (e.g. violence) when <u>collecting firewood/biomass</u> ? Woman: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Man: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Girls: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Boys: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
B21	Have the following members ever experienced physical risks when <u>fetching water</u> ? Woman: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Man: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Girls: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Boys: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
B22	Have the following members ever experienced physical risks when <u>going to school or market</u> ? Woman: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Man: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Girls: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Boys: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
B23	Have the following members ever experienced physical risks when <u>going to the toilet or taking a bath</u> ? Woman: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Man: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Girls: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Boys: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
B24	How many meals (including breakfast) are normally cooked per day in this hh? _____
B25	During the <u>last week</u> , how many times did a <u>male</u> member of the hh prepare tea? _____
B26	During the <u>last week</u> , how many times did a <u>male</u> member of the hh cook a meal? _____

SECTION B_EL (cont.): ELECTRICITY SUBSCRIPTION AND USE	
B27	When did this household obtain electricity access for the first time? _____ (year)
B28	If you have several types of access to electricity ( <i>Part 1A</i> ), which do you consider <u>most important and reliable</u> ? ( <i>tick only one only</i> )

	Grid <input type="checkbox"/> Mini-grid (incl. micro grid) <input type="checkbox"/> Solar Home System <input type="checkbox"/> Solar Lantern (own) <input type="checkbox"/> Solar Lantern (rent) <input type="checkbox"/> Stand-alone generator <input type="checkbox"/> Car battery <input type="checkbox"/> Other battery <input type="checkbox"/> Other <input type="checkbox"/> <i>(The chosen system is the one to ask about in the following questions)</i>
B29	How much did it cost to get the connection/subscription/leasing agreement or to purchase the solar home system? _____ Who in the household paid for this? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/> In whose name is the subscription registered? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Other <input type="checkbox"/>
B30	If there is a fixed price of consumption, how much do you pay <u>per month</u> <sup>51</sup> ? _____
B31	If you pay according to consumption, approximately how much per month? _____
B32	Who in the household covers the cost of electricity consumption? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Other <input type="checkbox"/> N/A <input type="checkbox"/>
B33	Who in the household goes to pay the bill? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Other <input type="checkbox"/> N/A <input type="checkbox"/>
B34	What type of light source do you use? Incandescent bulb <input type="checkbox"/> Compact fluorescent (CFL) <input type="checkbox"/> LED <input type="checkbox"/>
B35	If you keep a mobile, where do you charge it: At home <input type="checkbox"/> At another place <input type="checkbox"/> N/A <input type="checkbox"/>
B36	Do you know the maximum size/number of appliances/machines one may have with this kind of subscription/tariff? No limitations <input type="checkbox"/> Limit: <input type="checkbox"/> Specify limit: _____ Don't know <input type="checkbox"/>
B37	<b>If Grid/Mini-grid:</b> Is the <u>prescribed</u> supply continuous (24 hrs)? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/> If supply is <u>not</u> continuous, may your own household decide <u>when</u> to use it? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/> If supply is <u>not</u> continuous, hence scheduled by the provider, at what time does electricity supply normally start & end every day? Start time _____ End time _____ N/A <input type="checkbox"/> Do you have an electric meter? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> Is it a pre-paid meter? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> If electric meter, who looks at the meter to read consumption? Woman <input type="checkbox"/> Man <input type="checkbox"/> Staff from the company/provider/agency <input type="checkbox"/> Nobody/automatic (ex pre-paid) <input type="checkbox"/> Other <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/> If a person from the company comes to read consumption, is this A woman <input type="checkbox"/> A man <input type="checkbox"/> W and M <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/> When do you pay for consumption? Post payment (after consumption) <input type="checkbox"/> Pre-payment <input type="checkbox"/> Fixed fee <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/> Through what means do you pay? Cash <input type="checkbox"/> Mobile transfer <input type="checkbox"/> Bank transfer <input type="checkbox"/> Other <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/>

<sup>51</sup> If payment is done quarterly etc, convert the amount so that it becomes per month.

B38	<p><b>If Solar Home System:</b> do you know the size/capacity of the system? _____ Watts</p> <p>How many lights / luminaries does it run? One <input type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> More than three <input type="checkbox"/></p> <p>Does it support a fan? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/></p> <p>Can you charge your mobile on it? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/></p> <p>Do you know where to get a new battery and other spare parts when needed? Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Does the company provide you with repair and maintenance service? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/></p> <p>How did you pay for the system? Cash <input type="checkbox"/> On installment <input type="checkbox"/> Loan <input type="checkbox"/> Pay-as-you-go <input type="checkbox"/></p> <p>Before SHS, did you have a subscription to: Grid/mini-grid <input type="checkbox"/> Lantern / battery renting <input type="checkbox"/> Other <input type="checkbox"/> No <input type="checkbox"/></p>
B39 A	<p><b>If Lantern:</b> Do you keep an individual system with solar panels? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>Is it rented <input type="checkbox"/> or owned <input type="checkbox"/> ?</p> <p><b>If lantern is rented:</b> How many lanterns do you normally rent at the same time? _____</p> <p>How many times per week do you normally go to rent them? _____ (times per week)</p> <p>Who normally goes to deliver/collect the lanterns? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Girls <input type="checkbox"/> Boys <input type="checkbox"/></p> <p>What does it cost each time: _____ Who normally pays? Woman <input type="checkbox"/> Man <input type="checkbox"/> Other <input type="checkbox"/></p> <p>How many hours does the light last each time? (<i>if used several days, total duration</i>) _____</p> <p>Can you charge mobiles with the lantern that you own or rent? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
B39 B	<p><b>If batteries are rented</b></p> <p>How many times per week do you normally go to rent them? _____ (times per week)</p> <p>Who normally goes to deliver/collect the battery? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Girls <input type="checkbox"/> Boys <input type="checkbox"/></p> <p>What does it cost each time: _____ Who normally pays? Woman <input type="checkbox"/> Man <input type="checkbox"/> Other <input type="checkbox"/></p> <p>How many lights do you normally charge by the use of the battery</p> <p>How many hours does each light last (<i>if used several days, total duration</i>) _____</p> <p>Can you charge mobiles with the batteries? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
B40	<p>Is the type of subscription/system you have working well at the moment? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/></p> <p>Do you feel that the type of subscription you have fulfills your needs for electricity? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/></p>
B41	<p>Do you feel that the type of subscription you have hinders you in using electricity for certain purposes? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/></p>
B42	<p>During a typical month, how many times is supply interrupted (i.e. service stops)? _____</p> <p>For how long does each interruption normally last? _____</p> <p>How many times per month do you experience instability/voltage fluctuations? _____</p>
B43	<p>If you have a problem with electricity, who in the hh will try to go and get assistance? Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/></p>



	Who in the company/agency assists you: A woman <input type="checkbox"/> A man <input type="checkbox"/> Woman/Man <input type="checkbox"/> None <input type="checkbox"/>
B44	How would you rate the <u>electricity supply</u> you get? Highly satisfied <input type="checkbox"/> Moderately satisfied <input type="checkbox"/> Not satisfied <input type="checkbox"/> Don't know <input type="checkbox"/>
B45	If it was possible, what kind of electricity access would be <u>affordable</u> and <u>preferable to you</u> if you were to <u>change</u> your type of supply? Grid 24 hrs <input type="checkbox"/> Mini-grid <input type="checkbox"/> Lanterns <input type="checkbox"/> Solar home systems <input type="checkbox"/> No change <input type="checkbox"/> Don't know <input type="checkbox"/>

SECTION B_EL (cont.): OBJECTS, APPLIANCES AND USE OF ELECTRICITY						
B46	Which of the following appliances are currently kept in the hh? <i>Register the number of each appliance and the relevant person/ group: W: Woman, M: Man, B: Both, P: Parents. PIL: Parents-in-law O: Other people, All: all hh members</i>					
	Item	Kept in household?	Who decided to buy?	Who bought or received as gift? <sup>52</sup>	Who owns / has custody?	Who tends to use the item most
	Radio	Yes <input type="checkbox"/> No <input type="checkbox"/>				
	Mobile phone	Yes <input type="checkbox"/> No <input type="checkbox"/>				
	TV- B&W	Yes <input type="checkbox"/> No <input type="checkbox"/>				
	TV-colour	Yes <input type="checkbox"/> No <input type="checkbox"/>				
	Blender/mixer	Yes <input type="checkbox"/> No <input type="checkbox"/>				
	Iron (electrical)	Yes <input type="checkbox"/> No <input type="checkbox"/>				
	Table fan	Yes <input type="checkbox"/> No <input type="checkbox"/>				
	Ceiling fan	Yes <input type="checkbox"/> No <input type="checkbox"/>				
	Fridge	Yes <input type="checkbox"/> No <input type="checkbox"/>				
	Freezer					
	Sewing machine (electric)	Yes <input type="checkbox"/> No <input type="checkbox"/>				
	Rice Cooker	Yes <input type="checkbox"/> No <input type="checkbox"/>				
	Electric water boiler/kettle	Yes <input type="checkbox"/> No <input type="checkbox"/>				
	Other electric cooker	Yes <input type="checkbox"/> No <input type="checkbox"/>				
	Other <sup>53</sup> , specify					
B47	If you had the money, what would you buy next? (appliance or other item) _____					

<sup>52</sup> By gift we refer to items given by people outside the household. Thus if a man gave his wife an electric sewing machine, this would not be registered as she receiving a gift, but as him deciding to purchase, he purchasing, and the woman owning (and probably using) the item.

<sup>53</sup> Other: only ask if it seems relevant, for example PC, large grinder other machines.

SECTION C: Participation in village life, Mobiles/television/internet + Norms + assessment of electricity's impact: For ALL respondents	
C01 RA4 ESMAP	Is anyone in this hh a member of a group or committee in this community? Woman: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Man: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
C02 RA4	Who in this hh voted during the last political election? Woman: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> No answer <input type="checkbox"/> Man: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> No answer <input type="checkbox"/>
C03	If they were given equal education and opportunities, do you think that women and men have the same <u>capabilities</u> to serve their community and country? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
C04	Do you think that a husband may sometimes be entitled to beat his spouse if she fails to behave as a good wife? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
C05	In which situations does a wife need permission from her husband?  When she wants to purchase a major item: Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>  When she wants to go to a town/village centre for market day  When she wants to travel to visit a doctor or visit her parents at home, or obtain remittances/vouchers: Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
C06	Does it happen that a husband needs permission from his wife? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
C07	In this household, who tends to decide on the following issues?  Health (including women's reproductive health): Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/> Children's education etc.: Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/> Choice of marriage partner: Woman <input type="checkbox"/> Man <input type="checkbox"/> Both <input type="checkbox"/> Parents/in-laws <input type="checkbox"/> Other <input type="checkbox"/>
C08	When a woman travels, (e.g. to the closest town) may she go (tick off for all that applies) On her own <input type="checkbox"/> With male relative(s) <input type="checkbox"/> With children <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/>
C09	On her last trip, the woman in this household travelled: On her own <input type="checkbox"/> With male relative(s) <input type="checkbox"/> With children <input type="checkbox"/> Don't know <input type="checkbox"/> N/A <input type="checkbox"/>
C10	As a parent, would you prefer getting: Daughters rather than sons <input type="checkbox"/> Sons rather than daughters <input type="checkbox"/> No difference <input type="checkbox"/> Don't know <input type="checkbox"/>
C11	How good is the mobile coverage in this area (making it possible to use a phone for calling): Good <input type="checkbox"/> Only good in some places <input type="checkbox"/> Not good <input type="checkbox"/> Don't know <input type="checkbox"/>

C12	<p>If coverage, what kind of functions/purposes do you use the phone for?</p> <p>Speak with relatives/friends about everyday, social matters      Daily <input type="checkbox"/>      Sometimes <input type="checkbox"/>      Never <input type="checkbox"/></p> <p>Call relatives/friends to get assistance in difficult times      Daily <input type="checkbox"/>      Sometimes <input type="checkbox"/>      Never <input type="checkbox"/></p> <p>Speak with people about income generation activities (e.g. prices)      Daily <input type="checkbox"/>      Sometimes <input type="checkbox"/>      Never <input type="checkbox"/></p> <p>Send/receive text messages (about any issue)      Daily <input type="checkbox"/>      Sometimes <input type="checkbox"/>      Never <input type="checkbox"/></p>
	Is Internet available in this area (coverage)?    Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
	In your home, can you access Internet through your phone?    Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
C13	<p>If coverage in the area, how often do you use the Internet to</p> <p>Obtain information:      Never <input type="checkbox"/>    Sometimes <input type="checkbox"/>    Weekly <input type="checkbox"/>    Daily <input type="checkbox"/></p> <p>Communicate with others:    Never <input type="checkbox"/>    Sometimes <input type="checkbox"/>    Weekly <input type="checkbox"/>    Daily <input type="checkbox"/></p> <p>Use of social media like Facebook or Whatsapp:    Never <input type="checkbox"/>    Sometimes <input type="checkbox"/>    Weekly <input type="checkbox"/>    Daily <input type="checkbox"/></p>
C14	<p>Television: Do you regularly watch television?    No <input type="checkbox"/>    Yes <input type="checkbox"/></p> <p>Who in this hh watches television at least 1-3 times a week?      N/A</p> <p><input type="checkbox"/></p> <p>Woman <input type="checkbox"/>    Man <input type="checkbox"/>    Girls <input type="checkbox"/>    Boys <input type="checkbox"/>    Parents/in-laws <input type="checkbox"/>    All <input type="checkbox"/>    Nobody <input type="checkbox"/></p> <p>Where do tend to watch television?</p> <p>At home <input type="checkbox"/>    At neighbours <input type="checkbox"/>    At market/shop/village centre <input type="checkbox"/>    Other <input type="checkbox"/></p>
	<p>It you watch television, please indicate if you agree with the following statements      N/A</p> <p><input type="checkbox"/></p> <p>'Television has taught me many things of practical use'      Agree <input type="checkbox"/>    Disagree <input type="checkbox"/>    Don't know <input type="checkbox"/></p> <p>'Television has inspired me to think that women and men should have equal rights'    Agree <input type="checkbox"/>    Disagree <input type="checkbox"/>    Don't know <input type="checkbox"/></p> <p>'Television has inspired me to do things in a different way'    Agree <input type="checkbox"/>    Disagree <input type="checkbox"/>    Don't know <input type="checkbox"/></p> <p>'Television poses a threat to the children in terms of negative influence<sup>54</sup>'    Agree <input type="checkbox"/>    Disagree <input type="checkbox"/>    Don't know <input type="checkbox"/></p> <p>'Inspired from what they have watched on television, more people are now <i>practicing family planning</i><sup>55</sup>'    Agree <input type="checkbox"/>    Disagree <input type="checkbox"/>    Don't know <input type="checkbox"/></p> <p>'Television has put pressure on my time use'    Agree <input type="checkbox"/>    Disagree <input type="checkbox"/>    Don't know <input type="checkbox"/></p>
	<p>The use of electricity (including mobiles, Internet and television) may have positive and negative effects. In your opinion, may there be some <u>negative effects</u> for:</p> <p>Women:    Yes <input type="checkbox"/>    No <input type="checkbox"/>    Don't know <input type="checkbox"/></p>

<sup>54</sup> Note for enumerator: for example, distraction from studies, demanding things they see on TV, change in behaviour

<sup>55</sup> Note for enumerator: for example, contraceptives

	Men: Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> Girls: Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> Boys: Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> Negative effects for particular groups (e.g. castes, religious groups): Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> Negative effects for the community in general: Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
C15	<i>(scale: 1 not at all, 2 sometimes, 3 often, 4 always, 0 don't know)</i> Do you feel that women can decide over matters that concern or affect them? <sup>56</sup> _____ Do you feel that men can decide over matters that concern or affect them? _____
	Given that some households (and possibly shops and public services) have access to electricity in this village, what is your <u>overall impression</u> of the impact of this on the lives of people (with or without electricity at home): Women: Improved <input type="checkbox"/> More difficult <input type="checkbox"/> Same as before <input type="checkbox"/> Don't know <input type="checkbox"/> Men: Improved <input type="checkbox"/> More difficult <input type="checkbox"/> Same as before <input type="checkbox"/> Don't know <input type="checkbox"/> Girls: Improved <input type="checkbox"/> More difficult <input type="checkbox"/> Same as before <input type="checkbox"/> Don't know <input type="checkbox"/> Boys: Improved <input type="checkbox"/> More difficult <input type="checkbox"/> Same as before <input type="checkbox"/> Don't know <input type="checkbox"/>

SECTION D_EL: ELECTRICITY'S PRODUCTIVE USES, SLEEP, IMPACT OF WOMEN'S INVOLVEMENT IN SUPPLY	
D01 (RA4)	In this hh, does the <u>woman</u> make use of <u>electricity</u> for making an income? <sup>57</sup> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	Where are these activities carried out? At home <input type="checkbox"/> Outside the home <input type="checkbox"/>
	Compared to the situation before using electricity, how did electricity affect income/production: Increased income <input type="checkbox"/> No change <input type="checkbox"/> Reduced income <input type="checkbox"/> Don't know <input type="checkbox"/>
	If possible, what was her typical <u>monthly</u> income before el? _____ and after el _____
D02 (RA4)	In this hh, does <u>the woman</u> use <u>Cooking fuels</u> for making an income? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	Where are these activities carried out? At home <input type="checkbox"/> Outside the home <input type="checkbox"/> If possible, what is a typical monthly income? _____
D03	In this hh, does <u>the man</u> make use of electricity for making an income (e.g. small business, producing food or things that are sold): Yes <input type="checkbox"/> No <input type="checkbox"/> Not relevant <input type="checkbox"/>
	How did his use of electricity affect this income/production: Increased <input type="checkbox"/> No change <input type="checkbox"/> Reduced income <input type="checkbox"/> Don't know <input type="checkbox"/>

<sup>56</sup> E.g. whom to marry, where to live, issues regarding their health

<sup>57</sup> For example, small business, producing food or things at home for sale.

	If possible, what was his typical monthly income before el? _____ and after el _____
D04	In this household, do any children (< 18 yrs) work and earn money + contribute <u>substantially</u> to income generation for the HH? How many? Girls ____ (no.) Boys ____ (no.) None of the children <input type="checkbox"/> N/A <input type="checkbox"/>
D05	When do people in this hh normally go to sleep and when do they get up in the morning Woman: Goes to sleep _____ (hrs) Gets up in the morning: _____ (hrs) N/A <input type="checkbox"/> Man: Goes to sleep _____ (hrs) Gets up in the morning: _____ (hrs) N/A <input type="checkbox"/> Girls: Goes to sleep _____ (hrs) Gets up in the morning: _____ (hrs) N/A <input type="checkbox"/> Boys: Goes to sleep _____ (hrs) Gets up in the morning: _____ (hrs) N/A <input type="checkbox"/>
D06	Do you think that people with electricity at home go to bed later than those without electricity? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
D07	If a woman owned a traditional item (India: jewelry; Kenya: a bed), would she keep it in the case of divorce or widowhood? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>  If a woman owned a radio/freezer/TV/Solar Home System/Cookstove, would she keep it in the case of divorce or widowhood? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
D08	<b>IF WOMEN WERE/ARE INVOLVED IN ELECTRICITY SUPPLY (including sales of SHS) IN THE VILLAGE (else N/A <input type="checkbox"/>):</b> Was this the first time you witnessed that women held this kind of position/responsibility? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>  Did women's involvement in supply change the way you think about women and what they can do? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> If yes, how? _____  Did this change the way you think about your daughter(s) or young girls in general and what they may be able to do in the future? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
D09	In your neighbourhood, is it safe to walk outside after darkness for members of your hh? Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>
D10	To what extent has electricity in your neighborhood made it safer to walk outside after darkness? To a high extent <input type="checkbox"/> To some extent <input type="checkbox"/> Not at all <input type="checkbox"/> Don't know <input type="checkbox"/>
D11	What are the most important values a parent should teach their children? (select max 2)

	To be good to other people <input type="checkbox"/> To adhere to religious values <input type="checkbox"/> The importance of education <input type="checkbox"/> The importance of becoming a good spouse and parent one day <input type="checkbox"/> Other <input type="checkbox"/>
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## Annex A.3: Variable List with description

id:

1. Common for Access and No Access

access:

1. Binary

accesstype:

1. Common for Access and No Access

village\_name:

1. Question text: Village Name
2. Common for Access and No Access

agegroup:

1. Common for Access and No Access
2. Age group <35,>=35<=50,>50

SubmissionDate:

1. Common for Access and No Access

today:

1. Question text: today
2. Common for Access and No Access

enu\_name:

1. Question text: Enumerator's name
2. Common for Access and No Access

Enumerator\_gender:

1. Question text: Gender of the Enumerator
2. Common for Access and No Access

questionnaire\_no:

1. Question text: Questionnaire Number
2. Common for Access and No Access

HHaccess\_elect:

1. Question text: Does this household have access to the electricity?
2. Common for Access and No Access

grid\_electvillage:

1. Question text: grid electricity in village
2. Common for Access and No Access

decen:

1. Question text: Is this a decentralised system ?
2. Common for Access and No Access

A01:

1. Question text: A01. Name of respondent
2. Common for Access and No Access

A02:

1. Question text: A02. Age of the respondent
2. Common for Access and No Access

A03:

1. Question text: A03. Gender of the respondent
2. Common for Access and No Access

A04:

1. Question text: A04. Marital status of the respondent
2. Common for Access and No Access

A05\_1:

1. Question text: A05. Other people present during the interview (#1/4)
2. Common for Access and No Access

A05\_2:

1. Question text: A05. Other people present during the interview (#2/4)
2. Common for Access and No Access

A05\_3:

1. Question text: A05. Other people present during the interview (#3/4)
2. Common for Access and No Access

A05\_4:

1. Question text: A05. Other people present during the interview (#4/4)
2. Common for Access and No Access

A06\_women:

1. Question text: A06. Number of adult women living in this household
2. Common for Access and No Access

A06\_men:

1. Question text: A06. Number of adult men living in this household
2. Common for Access and No Access



A07:

1. Question text: A07. Do you live together with following members
2. Common for Access and No Access

A08\_Girls\_less\_7yrs\_number:

1. Question text: A08. No. of Girls less than 7 yrs
2. Common for Access and No Access

A08\_Girls\_less\_7yrs\_enrolled:

1. Question text: A08. No. of Girls less than 7 yrs enrolled pre school
2. Common for Access and No Access

A08\_Girls\_7\_12\_number:

1. Question text: A08. No. of Girls 7-12 yrs
2. Common for Access and No Access

A08\_Girls\_7\_12\_enrolled:

1. Question text: A08. No. of Girls 7-12 yrs enrolled school
2. Common for Access and No Access

A08\_Girls\_13\_17\_number:

1. Question text: A08. No. of Girls 13-17 yrs
2. Common for Access and No Access

A08\_Girls\_13\_17\_enrolled:

1. Question text: A08. No. of Girls 13-17 yrs enrolled school
2. Common for Access and No Access

A08\_boys\_less7yrs\_number:

1. Question text: A08. No. of boys less than 7 yrs
2. Common for Access and No Access

A08\_boys\_less7yrs\_enrolled:

1. Question text: A08. No. of boys less than 7 yrs enrolled pre school
2. Common for Access and No Access

A08\_boys\_7\_12\_number:

1. Question text: A08. No. of boys 7-12 yrs
2. Common for Access and No Access

A08\_boys\_7\_12\_enrolled:

1. Question text: A08. No. of boys 7-12 yrs enrolled school
2. Common for Access and No Access

A08\_boys\_13\_17\_number:

1. Question text: A08. No. of boys 13-17 yrs
2. Common for Access and No Access

A08\_boys\_13\_17\_enrolled:

1. Question text: A08. No. of boys 13-17 yrs enrolled school
2. Common for Access and No Access

A09:

1. Question text: A09. Total number of household members living together in this household
2. Common for Access and No Access

A10\_1\_hw:

1. Question text: A10.1 Do the girls aged 7-12 do homework?
2. Common for Access and No Access

A10\_1\_hrs:

1. Question text: A10.1 How many hours per day (girls 7-12) do they do their homework?
2. Common for Access and No Access

A10\_1\_assist1:

1. Question text: A10.1 Homework: are they assisted by following members (girls 7-12) (#1/4)
2. Common for Access and No Access

A10\_1\_assist2:

1. Question text: A10.1 Homework: are they assisted by following members (girls 7-12) (#2/4)
2. Common for Access and No Access

A10\_1\_assist3:

1. Question text: A10.1 Homework: are they assisted by following members (girls 7-12) (#3/4)
2. Common for Access and No Access

A10\_1\_assist4:

1. Question text: A10.1 Homework: are they assisted by following members (girls 7-12) (#4/4)
2. Common for Access and No Access

A10\_2\_hw:

1. Question text: A10.2 Do the girls aged 13-17 do homework?
2. Common for Access and No Access

A10\_2\_hrs:

1. Question text: A10.2 How many hours per day (girls 13-17) do they do their homework?
2. Common for Access and No Access

A10\_2\_assist1:

1. Question text: A10.2 Homework: are they assisted by following members (girls 13-17) (#1/4)
2. Common for Access and No Access

A10\_2\_assist2:

1. Question text: A10.2 Homework: are they assisted by following members (girls 13-17) (#2/4)
2. Common for Access and No Access

A10\_2\_assist3:

1. Question text: A10.2 Homework: are they assisted by following members (girls 13-17) (#3/4)
2. Common for Access and No Access

A10\_2\_assist4:

1. Question text: A10.2 Homework: are they assisted by following members (girls 13-17) (#4/4)
2. Common for Access and No Access

A10\_3\_hw:

1. Question text: A10.3 Do the boys aged 7-12 do homework?
2. Common for Access and No Access

A10\_3\_hrs:

1. Question text: A10.3 How many hours per day do they do their homework (boys 7-12)?
2. Common for Access and No Access

A10\_3\_assist1:

1. Question text: A10.3 Homework: are they assisted by following members(boys 7-12) (#1/4)
2. Common for Access and No Access

A10\_3\_assist2:

1. Question text: A10.3 Homework: are they assisted by following members(boys 7-12) (#2/4)
2. Common for Access and No Access

A10\_3\_assist3:

1. Question text: A10.3 Homework: are they assisted by following members(boys 7-12) (#3/4)
2. Common for Access and No Access

A10\_3\_assist4:

1. Question text: A10.3 Homework: are they assisted by following members(boys 7-12) (#4/4)
2. Common for Access and No Access

A10\_4\_hw:

1. Question text: A10.4 Do the boys aged 13-17 do homework?
2. Common for Access and No Access

A10\_4\_hrs:

1. Question text: A10.4 How many hours per day (boys 13-17) do they do their homework?
2. Common for Access and No Access

A10\_4\_assist1:

1. Question text: A10.4 Homework: are they assisted by (boys 13-17) following members (#1/4)
2. Common for Access and No Access

A10\_4\_assist2:

1. Question text: A10.4 Homework: are they assisted by (boys 13-17) following members (#2/4)
2. Common for Access and No Access

A10\_4\_assist3:

1. Question text: A10.4 Homework: are they assisted by (boys 13-17) following members (#3/4)
2. Common for Access and No Access

A10\_4\_assist4:

1. Question text: A10.4 Homework: are they assisted by (boys 13-17) following members (#4/4)
2. Common for Access and No Access

A11:

1. Question text: A11. What is your Caste/tribe/clan/ethnic group?
2. Common for Access and No Access

casteandtribe:

1. Common Access and no Access

religion:

1. Common Access and no Access

A12:

1. Question text: A12. Whar is your religious affiliation?
2. Common for Access and No Access

A13\_room:

1. Question text: A13. How many rooms (incl. kitchen) do you have in your dwelling?
2. Common for Access and No Access

A13\_roof1:

1. Question text: A13. Characteristics of Roof (#1/3)
2. Common for Access and No Access

A13\_roof2:

1. Question text: A13. Characteristics of Roof (#2/3)
2. Common for Access and No Access

A13\_roof3:

1. Question text: A13. Characteristics of Roof (#3/3)
2. Common for Access and No Access

A13\_walls1:

1. Question text: A13. Characteristics of Walls (#1/4)
2. Common for Access and No Access

A13\_walls2:

1. Question text: A13. Characteristics of Walls (#2/4)
2. Common for Access and No Access

A13\_walls3:

1. Question text: A13. Characteristics of Walls (#3/4)
2. Common for Access and No Access

A13\_walls4:

1. Question text: A13. Characteristics of Walls (#4/4)
2. Common for Access and No Access

A13\_kitchen1:

1. Question text: A13. Characteristics of Kitchen (#1/4)
2. Common for Access and No Access

A13\_kitchen2:

1. Question text: A13. Characteristics of Kitchen (#2/4)
2. Common for Access and No Access

A13\_kitchen3:

1. Question text: A13. Characteristics of Kitchen (#3/4)
2. Common for Access and No Access

A13\_kitchen4:

1. Question text: A13. Characteristics of Kitchen (#4/4)
2. Common for Access and No Access

A13\_cowshed:

1. Question text: A13. Where is your cowshed located?
2. Common for Access and No Access

A13\_goatshed:

1. Question text: A13. Where is your goatshed located?
2. Common for Access and No Access
3. Includes Poultry for Chhattisgarh

A14:

1. Question text: A14. What is the ownership status of your house?
2. Common for Access and No Access

A15:

1. Question text: A15. Who is the ownership of the house?
2. Common for Access and No Access

A16:

1. Question text: A16. Does Household keep land (other than the land on which the house is located)?
2. Common for Access and No Access

A17:

1. Question text: A17. Who is the owner of the land?
2. Common for Access and No Access

A18:

1. Question text: A18. What is the Respondent's level of education
2. Common for Access and No Access

A19:

1. Question text: A19. Respondent's ability to read/write (any language)
2. Common for Access and No Access

A20\_woman\_income:

1. Question text: A20. Does the woman in the household make any income?
2. Common for Access and No Access

A20\_income\_source1:

1. Question text: A20. What are her sources of income? (#1/9)
2. Common for Access and No Access

A20\_income\_source2:

1. Question text: A20. What are her sources of income? (#2/9)
2. Common for Access and No Access

A20\_income\_source3:

1. Question text: A20. What are her sources of income? (#3/9)
2. Common for Access and No Access

A20\_income\_source4:

1. Question text: A20. What are her sources of income? (#4/9)
2. Common for Access and No Access

A20\_income\_source5:

1. Question text: A20. What are her sources of income? (#5/9)
2. Common for Access and No Access

A20\_income\_source6:

1. Question text: A20. What are her sources of income? (#6/9)
2. Common for Access and No Access

A20\_income\_source7:

1. Question text: A20. What are her sources of income? (#7/9)
2. Common for Access and No Access

A20\_income\_source8:

1. Question text: A20. What are her sources of income? (#8/9)
2. Common for Access and No Access

A20\_income\_source9:

1. Question text: A20. What are her sources of income? (#9/9)
2. Common for Access and No Access

A20\_income\_job:

1. Question text: A20. Is she employed?
2. Common for Access and No Access

A20\_income\_jobtype:

1. Question text: A20 What is type of job?
2. Common for Access and No Access

A20\_income\_monthly:

1. Question text: A20. What is her Income per month
2. Common for Access and No Access

A21\_man\_income:

1. Question text: A21. Does the man in the household make an income?
2. Common for Access and No Access

A21\_income\_source1:

1. Question text: A21. What are his sources of income? (#1/9)
2. Common for Access and No Access

A21\_income\_source2:

1. Question text: A21. What are his sources of income? (#2/9)
2. Common for Access and No Access



A21\_income\_source3:

1. Question text: A21. What are his sources of income? (#3/9)
2. Common for Access and No Access

A21\_income\_source4:

1. Question text: A21. What are his sources of income? (#4/9)
2. Common for Access and No Access

A21\_income\_source5:

1. Question text: A21. What are his sources of income? (#5/9)
2. Common for Access and No Access

A21\_income\_source6:

1. Question text: A21. What are his sources of income? (#6/9)
2. Common for Access and No Access

A21\_income\_source7:

1. Question text: A21. What are his sources of income? (#7/9)
2. Common for Access and No Access

A21\_income\_source8:

1. Question text: A21. What are his sources of income? (#8/9)
2. Common for Access and No Access

A21\_income\_source9:

1. Question text: A21. What are his sources of income? (#9/9)
2. Common for Access and No Access

A21\_income\_job\_man:

1. Question text: A21. Is the man employed?
2. Common for Access and No Access

A21\_income\_jobtype\_man:

1. Question text: What is type of job?
2. Common for Access and No Access

A21\_income\_monthly:

1. Question text: A20. What is his income per month?
2. Common for Access and No Access

A22\_mobilephone1:

1. Question text: A22. Who in the hh keeps a mobile phone? (#1/6)
2. Common for Access and No Access

A22\_mobilephone2:

1. Question text: A22. Who in the hh keeps a mobile phone? (#2/6)
2. Common for Access and No Access

A22\_mobilephone3:

1. Question text: A22. Who in the hh keeps a mobile phone? (#3/6)
2. Common for Access and No Access

A22\_mobilephone4:

1. Question text: A22. Who in the hh keeps a mobile phone? (#4/6)
2. Common for Access and No Access

A22\_mobilephone5:

1. Question text: A22. Who in the hh keeps a mobile phone? (#5/6)
2. Common for Access and No Access

A22\_mobilephone6:

1. Question text: A22. Who in the hh keeps a mobile phone? (#6/6)
2. Common for Access and No Access

A22\_mobilebank1:

1. Question text: A22. Who uses a mobile bank facility? (#1/6)
2. Common for Access and No Access

A22\_mobilebank2:

1. Question text: A22. Who uses a mobile bank facility? (#2/6)
2. Common for Access and No Access

A22\_mobilebank3:

1. Question text: A22. Who uses a mobile bank facility? (#3/6)
2. Common for Access and No Access

A22\_mobilebank4:

1. Question text: A22. Who uses a mobile bank facility? (#4/6)
2. Common for Access and No Access

A22\_mobilebank5:

1. Question text: A22. Who uses a mobile bank facility? (#5/6)
2. Common for Access and No Access

A22\_mobilebank6:

1. Question text: A22. Who uses a mobile bank facility? (#6/6)
2. Common for Access and No Access

A22\_bankaccount1:

1. Question text: A22. Who keeps a bank account? (#1/5)
2. Common for Access and No Access

A22\_bankaccount2:

1. Question text: A22. Who keeps a bank account? (#2/5)
2. Common for Access and No Access

A22\_bankaccount3:

1. Question text: A22. Who keeps a bank account? (#3/5)
2. Common for Access and No Access

A22\_bankaccount4:

1. Question text: A22. Who keeps a bank account? (#4/5)
2. Common for Access and No Access

A22\_bankaccount5:

1. Question text: A22. Who keeps a bank account? (#5/5)
2. Common for Access and No Access

A22\_saving\_group1:

1. Question text: A22. Who is part of a savings group? (#1/5)
2. Common for Access and No Access

A22\_saving\_group2:

1. Question text: A22. Who is part of a savings group? (#2/5)
2. Common for Access and No Access

A22\_saving\_group3:

1. Question text: A22. Who is part of a savings group? (#3/5)
2. Common for Access and No Access

A22\_saving\_group4:

1. Question text: A22. Who is part of a savings group? (#4/5)
2. Common for Access and No Access

A22\_saving\_group5:

1. Question text: A22. Who is part of a savings group? (#5/5)
2. Common for Access and No Access

A22\_loan1:

1. Question text: A22. Who have taken up a loan? (#1/5)
2. Common for Access and No Access

A22\_loan2:

1. Question text: A22. Who have taken up a loan? (#2/5)
2. Common for Access and No Access

A22\_loan3:

1. Question text: A22. Who have taken up a loan? (#3/5)
2. Common for Access and No Access

A22\_loan4:

1. Question text: A22. Who have taken up a loan? (#4/5)
2. Common for Access and No Access

A22\_loan5:

1. Question text: A22. Who have taken up a loan? (#5/5)
2. Common for Access and No Access

A23\_table\_list\_1:

1. Question text: A23. Who owns/has custody of beds?
2. Common for Access and No Access

A23\_table\_list\_2:

1. Question text: A23. Who owns/has custody of Chickens?
2. Common for Access and No Access

A23\_table\_list\_3:

1. Question text: A23. Who owns/has custody of Goat/sheep/donkey?
2. Common for Access and No Access

A23\_table\_list\_4:

1. Question text: A23. Who owns/has custody of Cattle ?
2. Common for Access and No Access

A23\_table\_list\_5:

1. Question text: A23. Who owns/has custody of Silver Jewellery?
2. Common for Access and No Access

A23\_table\_list\_6:

1. Question text: A23. Who owns/has custody of Gold Jewellery?
2. Common for Access and No Access

A23\_table\_list\_7:

1. Question text: A23. Who owns/has custody of Bicycle?
2. Common for Access and No Access

A23\_table\_list\_8:

1. Question text: A23. Who owns/has custody of Moped, motorbike, car ?
2. Common for Access and No Access

A23\_table\_list\_9:

1. Question text: A23. Who owns/has custody of Sewing machine (non-electric)?
2. Common for Access and No Access

A23\_table\_list\_10:

1. Question text: A23. Who owns/has custody of Other major assets (except house and land)?
2. Common for Access and No Access

A24\_access\_tapped\_water\_village:

1. Question text: A24. Do you have access to tapped water in village?
2. Common for Access and No Access

A24\_access\_tapped\_water\_home:

1. Question text: A24. Do you have access to tapped water in home?
2. Common for Access and No Access

A25\_water\_collection\_person1:

1. Question text: A25. If not tap at home, who most often collects the water? (#1/7)
2. Common for Access and No Access

A25\_water\_collection\_person2:

1. Question text: A25. If not tap at home, who most often collects the water? (#2/7)
2. Common for Access and No Access

A25\_water\_collection\_person3:

1. Question text: A25. If not tap at home, who most often collects the water? (#3/7)
2. Common for Access and No Access

A25\_water\_collection\_person4:

1. Question text: A25. If not tap at home, who most often collects the water? (#4/7)
2. Common for Access and No Access

A25\_water\_collection\_person5:

1. Question text: A25. If not tap at home, who most often collects the water? (#5/7)
2. Common for Access and No Access

A25\_water\_collection\_person6:

1. Question text: A25. If not tap at home, who most often collects the water? (#6/7)
2. Common for Access and No Access

A25\_water\_collection\_person7:

1. Question text: A25. If not tap at home, who most often collects the water? (#7/7)
2. Common for Access and No Access

A25\_water\_collection\_amount:

1. Question text: A25. If you pay for the water, how much per 20 litre?
2. Common for Access and No Access

A26\_distance\_village\_centre:

1. Question text: A26. What is the distance from this hh to the village centre/market/school? (minutes' walk)
2. Common for Access and No Access

A27\_health\_facility\_near:

1. Question text: A27. Do you have access to health facilities within 30 minutes' walking distance?
2. Common for Access and No Access

A28\_grid\_minigrid:

1. Question text: A28. Is there grid/mini grid in your village?

2. Common for Access and No Access

A28\_grid\_minigrid\_distance:

1. Question text: A28. If grid/mini-grid in the village: How many meters from household to low tension line?
2. Common for Access and No Access

A29\_enough\_food:

1. Question text: A29. For how long periods during the last 12 months did this hh not have enough food to eat?
2. Common for Access and No Access

A30\_empty\_stomach\_bed:

1. Question text: A30. In times of food scarcity, who in the household are most likely to go to bed on an empty stomach?
2. Common for Access and No Access

A31\_last\_purchased:

1. Question text: A31. What was the last major thing purchased and brought to this hh?
2. Common for Access and No Access

A31\_who\_decide\_most:

1. Question text: A31. Who decided most to purchase?
2. Common for Access and No Access

A32\_personal\_income\_sharing:

1. Question text: A32. If you personally earn some money, do you tend to give it to somebody else?
2. Common for Access and No Access

A32\_personal\_income\_spent:

1. Question text: A32. Who in the household tend to decide how the money you have earned should be spent?
2. Common for Access and No Access

A33\_connection\_national\_grid:

1. Question text: A33. Does your household have a connection to the national electricity grid?

2. Common for Access and No Access

A34\_other\_electricity\_type1:

1. Question text: A34. If using other forms of electricity (than national grid), type of subscription ? (#1/7)
2. Common for Access and No Access

A34\_other\_electricity\_type2:

1. Question text: A34. If using other forms of electricity (than national grid), type of subscription ? (#2/7)
2. Common for Access and No Access

A34\_other\_electricity\_type3:

1. Question text: A34. If using other forms of electricity (than national grid), type of subscription ? (#3/7)
2. Common for Access and No Access

A34\_other\_electricity\_type4:

1. Question text: A34. If using other forms of electricity (than national grid), type of subscription ? (#4/7)
2. Common for Access and No Access

A34\_other\_electricity\_type5:

1. Question text: A34. If using other forms of electricity (than national grid), type of subscription ? (#5/7)
2. Common for Access and No Access

A34\_other\_electricity\_type6:

1. Question text: A34. If using other forms of electricity (than national grid), type of subscription ? (#6/7)
2. Common for Access and No Access

A34\_other\_electricity\_type7:

1. Question text: A34. If using other forms of electricity (than national grid), type of subscription ? (#7/7)
2. Common for Access and No Access

B01\_Firewood\_c:

1. Question text: Firewood for Cooking



2. Common for Access and No Access

B01\_Briquettes\_c:

1. Question text: Do you use Briquettes for Cooking
2. Common for Access and No Access

B01\_Charcoal\_c:

1. Question text: Charcoal for Cooking
2. Common for Access and No Access

B01\_Kerosene\_paraffin\_c:

1. Question text: Kerosene for Cooking
2. Common for Access and No Access

B01\_Diesel\_c:

1. Question text: Diesel for Cooking
2. Common for Access and No Access

B01\_LPG\_c:

1. Question text: LPG for Cooking
2. Common for Access and No Access

B01Electricity\_sockets\_grid\_m\_c:

1. Question text: Electric Sockets (Grid/Mini-Grid) for Cooking
2. Common for Access and No Access

B01\_Electricity\_sockets\_SHS\_c:

1. Question text: Electric Sockets (SHS) for cooking?
2. Common for Access and No Access

B01\_Firewood\_l:

1. Question text: Firewood for Lighting
2. Common for Access and No Access

B01\_Kerosene\_paraffin\_l:

1. Question text: Kerosene for Lighting
2. Common for Access and No Access

B01\_Candle\_l:

1. Question text: Candle for Lighting
2. Common for Access and No Access

B01\_Diesel\_l:

1. Question text: Diesel for Lighting
2. Common for Access and No Access

B01\_LPG\_l:

1. Question text: LPG for Lighting
2. Common for Access and No Access

B01\_Dry\_cell\_batteries\_l:

1. Question text: Dry Cell Batteries for Lighting
2. Common for Access and No Access

B01\_Solar\_torch\_micro\_l:

1. Question text: Solar torch (Micro) for Lighting
2. Common for Access and No Access

B01\_Car\_battery\_l:

1. Car battery for Lighting?
2. Common for Access and No Access

B01\_Other\_battery\_small\_l:

1. Question text: Other Battery (Small Chargeable) for Lighting?
2. Common for Access and No Access

B01\_Electricitysocketsgridmini:

1. Electricity sockets grid mini for Lighting
2. Common for Access and No Access

B01\_Electricity\_sockets\_SHS\_l:

1. Question text: Electric Sockets (SHS) for for Lighting
2. Common for Access and No Access

B01Elec\_portable\_lanterns\_l:

1. Question text: Potable Lantern for Lighting
2. Common for Access and No Access

B01\_Mobile\_phone\_as\_torch\_1:

1. Question text: Mobile Phone torch for for Lighting?
2. Common for Access and No Access

B02\_1:

1. Question text: B02.If you use kerosene for lighting, do you also use this for productive purposes (e.g. irrigation pump)? (#1/4)
2. Common for Access and No Access

B03\_1:

1. Question text: B03.During the last 12 months, which cook stoves did your hh use for preparing meals? (#1/9)
2. Common for Access and No Access

B03\_2:

1. Question text: B03.During the last 12 months, which cook stoves did your hh use for preparing meals? (#2/9)
2. Common for Access and No Access

B03\_3:

1. Question text: B03.During the last 12 months, which cook stoves did your hh use for preparing meals? (#3/9)
2. Common for Access and No Access

B03\_4:

1. Question text: B03.During the last 12 months, which cook stoves did your hh use for preparing meals? (#4/9)
2. Common for Access and No Access

B03\_5:

1. Question text: B03.During the last 12 months, which cook stoves did your hh use for preparing meals? (#5/9)
2. Common for Access and No Access

B03\_6:

1. Question text: B03.During the last 12 months, which cook stoves did your hh use for preparing meals? (#6/9)

2. Common for Access and No Access

B03\_7:

1. Question text: B03.During the last 12 months, which cook stoves did your hh use for preparing meals? (#7/9)

2. Common for Access and No Access

B03\_8:

1. Question text: B03.During the last 12 months, which cook stoves did your hh use for preparing meals? (#8/9)

2. Common for Access and No Access

B03\_9:

1. Question text: B03.During the last 12 months, which cook stoves did your hh use for preparing meals? (#9/9)

2. Common between Access and No Access

B04\_grid\_minigrid\_connection:

1. Question text: B04. Does your household have grid/mini grid connection?

2. Access only

B04:

1. Question text: B04.If Grid/Mini-grid: how many light points in the house?

2. Access only

B05\_1:

1. Question text: B05.If Grid/Mini-grid: In which rooms are the electric lights located? (#1/10)

2. Access only

B05\_2:

1. Question text: B05.If Grid/Mini-grid: In which rooms are the electric lights located? (#2/10)

2. Access only

B05\_3:

1. Question text: B05.If Grid/Mini-grid: In which rooms are the electric lights located? (#3/10)

2. Access only

B05\_4:

1. Question text: B05.If Grid/Mini-grid: In which rooms are the electric lights located? (#4/10)
2. Access only

B05\_5:

1. Question text: B05.If Grid/Mini-grid: In which rooms are the electric lights located? (#5/10)
2. Access only

B05\_6:

1. Question text: B05.If Grid/Mini-grid: In which rooms are the electric lights located? (#6/10)
2. Access only

B05\_7:

1. Question text: B05.If Grid/Mini-grid: In which rooms are the electric lights located? (#7/10)
2. Access only

B05\_8:

1. Question text: B05.If Grid/Mini-grid: In which rooms are the electric lights located? (#8/10)
2. Access only

B05\_9:

1. Question text: B05.If Grid/Mini-grid: In which rooms are the electric lights located? (#9/10)
2. Access only

B05\_10:

1. Question text: B05.If Grid/Mini-grid: In which rooms are the electric lights located? (#10/10)
2. Access only

B06\_grid:

1. Question text: B06.If Grid/Mini-grid: Who in the household decided most on where to put up the lights?
2. Access only
3. minigrid decide

B07\_solar:

1. Question text: B07. Does your household use Solar PV system or solar lantern?
2. B04\_NoAccess
3. for Nepal SHS is also added

B07\_how\_many\_lanterns:

1. Question text: B07.If solar lantern for light: How many lanterns in the hh?
2. B04\_NoAccess

B07\_which\_room1:

1. Question text: B07.In which rooms are they used the most? (#1/10)
2. B04\_NoAccess

B07\_which\_room2:

1. Question text: B07.In which rooms are they used the most? (#2/10)
2. B04\_NoAccess

B07\_which\_room3:

1. Question text: B07.In which rooms are they used the most? (#3/10)
2. B04\_NoAccess

B07\_which\_room4:

1. Question text: B07.In which rooms are they used the most? (#4/10)
2. B04\_NoAccess

B07\_which\_room5:

1. Question text: B07.In which rooms are they used the most? (#5/10)
2. B04\_NoAccess

B07\_which\_room6:

1. Question text: B07.In which rooms are they used the most? (#6/10)
2. B04\_NoAccess

B07\_which\_room7:

1. Question text: B07.In which rooms are they used the most? (#7/10)
2. B04\_NoAccess

B07\_which\_room8:

1. Question text: B07.In which rooms are they used the most? (#8/10)
2. B04\_NoAccess

B07\_which\_room9:

1. Question text: B07.In which rooms are they used the most? (#9/10)
2. B04\_NoAccess

B07\_which\_room10:

1. Question text: B07.In which rooms are they used the most? (#10/10)
2. B04\_NoAccess

B07\_decides:

1. Question text: B07.Who in the family tends to decide most on when and where these light sources should be used?
2. B04\_NoAccess
3. solar decides\_for nepal

B08:

1. Question text: B08.If solar lantern or torch: can this be used for charging a mobile phone?
2. B05\_NoAccess

B09:

1. Question text: B09.If fire wood is used for cooking, is it collected or bought?
2. B06\_NoAccess

B10\_1:

1. Question text: B10.If firewood is collected, who in the household normally collects it? (#1/7)
2. B07\_NoAccess

B10\_2:

1. Question text: B10.If firewood is collected, who in the household normally collects it? (#2/7)
2. B07\_NoAccess

B10\_3:

1. Question text: B10.If firewood is collected, who in the household normally collects it? (#3/7)
2. B07\_NoAccess

B10\_4:

1. Question text: B10.If firewood is collected, who in the household normally collects it? (#4/7)
2. B07\_NoAccess

B10\_5:

1. Question text: B10.If firewood is collected, who in the household normally collects it? (#5/7)
2. B07\_NoAccess

B10\_6:

1. Question text: B10.If firewood is collected, who in the household normally collects it? (#6/7)
2. B07\_NoAccess

B10\_7:

1. Question text: B10.If firewood is collected, who in the household normally collects it? (#7/7)
2. B07\_NoAccess

B11\_1:

1. Question text: B11.What is her/his means of transport for collecting firewood? (#1/7)
2. B08\_NoAccess

B11\_2:

1. Question text: B11.What is her/his means of transport for collecting firewood? (#2/7)
2. B08\_NoAccess

B11\_3:

1. Question text: B11.What is her/his means of transport for collecting firewood? (#3/7)
2. B08\_NoAccess

B11\_4:

1. Question text: B11.What is her/his means of transport for collecting firewood? (#4/7)
2. B08\_NoAccess

B11\_5:

1. Question text: B11.What is her/his means of transport for collecting firewood? (#5/7)
2. B08\_NoAccess

B11\_6:

1. Question text: B11.What is her/his means of transport for collecting firewood? (#6/7)
2. B08\_NoAccess



B11\_7:

1. Question text: B11.What is her/his means of transport for collecting firewood? (#7/7)
2. B08\_NoAccess

B12\_how\_many\_hour:

1. Question text: B12.During a typical month, how many hours does the hh (total) spend collecting firewood?
2. B09\_NoAccess

B12\_how\_many\_trips:

1. Question text: B12.How many trips per month does the hh spend collecting firewood?
2. B09\_NoAccess

B12\_how\_many\_time\_per\_trip:

1. Question text: B12.How much time (Minutes) is spent per trip does the hh spent collecting firewood?
2. B09\_NoAccess

B13:

1. Question text: B13.If firewood is purchased, who normally pays for the firewood?
2. B10\_NoAccess

B14:

1. Question text: B14.If charcoal/briquettes are purchased, who normally pays for the charcoal/briquettes?
2. B11\_NoAccess

B15\_LPG:

1. Question text: B15. Do you purchase LPG?
2. B12\_NoAccess

B15:

1. Question text: B15.If LPG is purchased, what is the cost?
2. B12\_NoAccess

B16:

1. Question text: B16.If LPG is purchased, how much money is spent during a typical month?
2. B13\_NoAccess

B17:

1. Question text: B17.Who normally pays for the LPG?
2. B14\_NoAccess

B18\_kerosene:

1. Question text: B18. Do you purchase kerosene?
2. B15\_NoAccess

B18\_money\_purchase\_kerosene\_para:

1. Question text: B18.How much money is spent during a typical month to purchase kerosene/paraffin?
2. B15\_NoAccess

B18\_who\_buy\_kerosene\_paraffin1:

1. Question text: B18.Who hh normally goes to buy the kerosene?
2. B15\_NoAccess

B18\_who\_buy\_kerosene\_paraffin2:

1. B15\_NoAccess

B18\_who\_buy\_kerosene\_paraffin3:

1. B15\_NoAccess

B18\_who\_buy\_kerosene\_paraffin4:

1. B15\_NoAccess

B18\_who\_buy\_kerosene\_paraffin5:

1. B15\_NoAccess

B18\_who\_buy\_kerosene\_paraffin6:

1. B15\_NoAccess

B18\_who\_pays\_kerosene\_paraffin1:

1. Question text: B18.Who normally pays for the kerosene?

2. B15\_NoAccess

B18\_who\_pays\_kerosene\_paraffin2:

1. B15\_NoAccess

B18\_who\_pays\_kerosene\_paraffin3:

1. B15\_NoAccess

B18\_who\_pays\_kerosene\_paraffin4:

1. B15\_NoAccess

B18\_who\_pays\_kerosene\_paraffin5:

1. B15\_NoAccess

B19\_total\_price:

1. Question text: B19.What is the current (market) price of kerosene in your village?
2. B16\_NoAccess

B19\_subsidised\_price:

1. Question text: B19.If kerosene is subsidised, what is the price?
2. B16\_NoAccess

B20\_woman:

1. Question text: B20.Have the women ever experienced physical risks (e.g. violence)when collecting firewood/biomass?
2. B17\_NoAccess

B20\_men:

1. Question text: B20.Have the men ever experienced physical risks (e.g. violence)when collecting firewood/biomass?
2. B17\_NoAccess

B20\_girls:

1. Question text: B20.Have girls ever experienced physical risks (e.g. violence)when collecting firewood/biomass?
2. B17\_NoAccess

B20\_boys:

1. Question text: B20.Have boys ever experienced physical risks (e.g. violence)when collecting firewood/biomass?

2. B17\_NoAccess

B21\_woman:

1. Question text: B21.Have the women ever experienced physical risks (e.g. violence) fetching water?

2. B18\_NoAccess

B21\_men:

1. Question text: B21.Have the men ever experienced physical risks (e.g. violence)fetching water?

2. B18\_NoAccess

B21\_girls:

1. Question text: B21.Have the girls ever experienced physical risks (e.g. violence)fetching water?

2. B18\_NoAccess

B21\_boys:

1. Question text: B21.Have the boys ever experienced physical risks (e.g. violence)fetching water?

2. B18\_NoAccess

B22\_woman:

1. Question text: B22.Have the women ever experienced physical risks (e.g. violence)while going to school/market?

2. B19\_NoAccess

B22\_men:

1. Question text: B22.Have the men ever experienced physical risks (e.g. violence)while going to school/market?

2. B19\_NoAccess

B22\_girls:

1. Question text: B22.Have the girls ever experienced physical risks (e.g. violence)while going to school/market?

2. B19\_NoAccess

B22\_boys:

1. Question text: B22.Have the boys ever experienced physical risks (e.g. violence)while going to school/market?

2. B19\_NoAccess

B23\_woman:

1. Question text: B23.Have the women ever experienced physical risks (e.g. violence) going to toilet or taking a bath?

2. B20\_NoAccess

B23\_men:

1. Question text: B23.Have the men ever experienced physical risks (e.g. violence) going to toilet or taking a bath?

2. B20\_NoAccess

B23\_girls:

1. Question text: B23.Have the girls ever experienced physical risks (e.g. violence) going to toilet or taking a bath?

2. B20\_NoAccess

B23\_boys:

1. Question text: B23.Have the boys ever experienced physical risks (e.g. violence) going to toilet or taking a bath?

2. B20\_NoAccess

B24:

1. Question text: B24.How many meals (including breakfast) are normally cooked per day in this hh?

2. B21\_NoAccess

B25:

1. Question text: B25.During the last week, how many times did a male member of the hh prepare tea?

2. B21\_NoAccess

B26:

1. Question text: B26.During the last week, how many times did a male member of the hh cook a meal?

2. B21\_NoAccess

B27:

1. Question text: B27.When did this household obtain electricity access for the first time?

2. Access only

B28:

1. Question text: B28.If you have several types of access to electricity, which do you consider most important and reliable?

2. Access only

B29\_cost\_solar:

1. Question text: B29.How much did it cost to get the connection/subscription/leasing agreement or to purchase the solar home system?

2. Access only

B29\_who\_paid\_solar:

1. Question text: B29.Who in the household paid to purchase the solar home system?

2. Access only

B29\_whose\_name\_solar\_registered:

1. Question text: B29.In whose name is the subscription registered?

2. Access only

B29\_cost\_g\_mg:

1. Access Only

B29\_who\_paid\_g\_mg:

1. Access Only

B29\_whose\_name\_g\_mg:

1. Access Only

B30:

1. Question text: B30.If there is a fixed price of consumption, how much do you pay per month?

2. Access only

B31:

1. Question text: B31.If you pay according to consumption, approximately how much per month?
2. Access only

B32:

1. Question text: B32.Who in the household covers the cost of electricity consumption?
2. Access only

B33:

1. Question text: B33.Who in the household goes to pay the bill?
2. Access only

B34\_1:

1. Question text: B34.What type of light source do you use? (#1/3)
2. Access only

B34\_2:

1. Question text: B34.What type of light source do you use? (#2/3)
2. Access only

B34\_3:

1. Question text: B34.What type of light source do you use? (#3/3)
2. Access only

B35\_1:

1. Question text: B35.If you keep a mobile, where do you charge it? (#1/3)
2. Access only

B35\_2:

1. Question text: B35.If you keep a mobile, where do you charge it? (#2/3)
2. Access only

B35\_3:

1. Question text: B35.If you keep a mobile, where do you charge it? (#3/3)
2. Access only

B36:

1. Question text: B36.Do you know the maximum size/number of appliances/machines one may have with this kind of subscription/tariff?
2. Access only

B36\_no\_app:

1. Question text: B36. What is the number of appliances you can run on this connection?
2. Access only

B37\_grid\_supply\_hour:

1. Question text: B37.Is the prescribed (grid/mini-grid) supply continuous (24 hrs)?
2. Access only

B37\_grid\_supply\_decide:

1. Question text: B37.If supply is not continuous, may your own household decide when to use it?
2. Access only

B37\_electricity\_supply\_start:

1. Question text: B37.If supply is not continuous, hence scheduled by the provider, at what time does electricity supply normally start?
2. Access only

B37\_electricity\_supply\_end:

1. Question text: B37.If supply is not continuous, hence scheduled by the provider, at what time does electricity supply normally end?
2. Access only

B37\_electricity\_meter:

1. Question text: B37.Do you have an electric meter (Grid/ mini-Grid)?
2. Access only

B37\_prepaid\_meter:

1. Question text: B37.Is it a pre-paid meter (Grid/ mini-Grid)?



2. Access only

B37\_electricity\_meter\_read:

1. Question text: B37.If electric meter, who looks at the meter to read consumption (Grid/Mini-Grid)?
2. Access only

B37\_electricity\_meter\_company:

1. Question text: B37.Who from the company comes to read consumption (Grid/Mini-Grid)?
2. Access only

B37\_electricity\_meter\_pay:

1. Question text: B37.When do you pay for consumption (Grid/Mini-Grid)?
2. Access only

B37\_electricity\_meter\_pay\_means:

1. Question text: B37.Through what means do you pay (Grid/Mini-Grid)?
2. Access only

B38\_solar\_size:

1. Question text: B38.If Solar Home System: do you know the size/capacity of the system?
2. Access only
3. 888 - Not sure

B38\_solar\_light\_number:

1. Question text: B38.How many lights / luminaries does it run(Solar Home System)?
2. Access only

B38\_solar\_support\_fan:

1. Question text: B38.Does it support a fan (Solar Home System)?
2. Access only

B38\_solar\_charge\_mobile:

1. Question text: B38.Can you charge your mobile on it (Solar Home System)?
2. Access only

B38\_new\_solar\_battery\_parts\_get:

1. Question text: B38.Do you know where to get a new battery and other spare parts when needed?
2. Access only

B38\_company\_repair\_maintenance:

1. Question text: B38.Does the company provide you with repair and maintenance service?
2. Access only

B38\_pay\_solar\_system:

1. Question text: B38.How did you pay for the system (Solar Home System)?
2. Access only

B38\_before\_solar\_what\_subs:

1. Question text: B38.Before SHS, what did you have a subscription?
2. Access only

B39A\_keep\_lantern\_system:

1. Question text: B39.Do you keep an individual system with solar panels (Lantern)?
2. Access only

B39A\_rented\_owned:

1. Question text: B39.Is Lantern rented or owned?
2. Access only

B39A\_rented\_lantern\_howmany\_same:

1. Question text: B39.How many lanterns do you normally rent at the same time?
2. Access only

B39A\_rented\_lantern\_howmany\_\_tim:

1. Question text: B39.How many times per week do you normally go to rent lantern?
2. Access only

B39A\_rented\_lantern\_who\_collects:

1. Question text: B39.Who normally goes to deliver/collect the lanterns if rented?
2. Access only

B39A\_lantern\_cost\_rented:

1. Question text: B39.What does it cost each time if lantern rented?
2. Access only

B39A\_lantern\_cost\_who\_pay:

1. Question text: B39.Who normally pays if lantern rented?
2. Access only

B39A\_lantern\_hour\_eachtime:

1. Question text: B39.How many hours does the light last each time?
2. Access only

B39A\_lantern\_mobile\_charge:

1. Question text: B39.Can you charge mobiles with the lantern that you own or rent?
2. Access only

B39A\_batt\_rent:

1. Question text: B39. Do you rent batteries?
2. Access only

B39B\_times\_rent\_battery\_perweek:

1. Question text: B39.How many times per week do you normally go to rent them (Battery rented)?
2. Access only

B39B\_rented\_battery\_who\_collects:

1. Question text: B39.Who normally goes to deliver/collect the battery (Battery rented)?
2. Access only

B39B\_battery\_cost\_rented:

1. Question text: B39.What does it cost each time if battery rented (Battery rented)?
2. Access only

B39B\_battery\_cost\_who\_pay:

1. Question text: B39.Who normally pays if battery rented (Battery rented)?
2. Access only

B39B\_light\_charge\_howmany:

1. Question text: B39.How many lights do you normally charge by the use of the battery (Battery rented)?
2. Access only

B39A\_battery\_hour\_etime:

1. Question text: B39.How many hours does each light last (Battery Rented)
2. Access only

B39A\_battery\_mobile\_charge:

1. Question text: B39.Can you charge mobiles with the batteries?
2. Access only

B40\_subs\_system\_working\_well:

1. Question text: B40.Is the type of subscription/system you have working well at the moment?
2. Access only

B40\_subs\_system\_fulfills\_needs:

1. Question text: B40.Do you feel that the type of subscription you have fulfills your needs for electricity?
2. Access only

B41\_subs\_system\_hinder\_using:

1. Question text: B41.Do you feel that the type of subscription you have hinders you in using electricity for certain purposes?
2. Access only

B42\_service\_interrupted:

1. Question text: B42.During a typical month, how many times is supply interrupted (i.e. service stops)?
2. Access only

B42\_service\_interrupted\_last:

1. Question text: B42.For how long does each interruption normally last?
2. Access only

B42\_service\_instability:

1. Question text: B42.How many days per month do you experience instability/voltage fluctuations?

2. Access only

B43\_elect\_problem\_who\_home:

1. Question text: B43.If you have a problem with electricity, who in the hh will try to go and get assistance?
2. Access only

B43\_elect\_assist\_company:

1. Question text: B43.Who in the company/agency assists you?
2. Access only

B44:

1. Question text: B44.How would you rate the electricity supply you get?
2. Access only

B45:

1. Question text: B45.If it was possible, what kind of electricity access would be affordable and preferable to you if you were to change your type of supply?
2. B29\_NoAccess

B46\_kept\_radio\_hh:

1. Question text: B46.Is radio currently kept in the hh?
2. Access only

B46\_radio\_decided\_buy:

1. Question text: B46.Who decided to buy the radio appliances?
2. Access only

B46\_radio\_bought\_receive\_gift:

1. Question text: B46. Who bought or received radio as gift?
2. Access only

B46\_radio\_custody:

1. Question text: B46.Who owns /has custody of radio?
2. Access only

B46\_radio\_use\_most:

1. Question text: B46.Who tends to use radio item most?
2. Access only

B46\_kept\_mobilephone\_hh:

1. Question text: B46.Is mobilephone currently kept in the hh?
2. Access only

B46\_mobilephone\_decided\_buy:

1. Question text: B46.Who decided to buy the mobilephone appliances?
2. Access only

B46\_mobilephone\_b\_r\_g:

1. Question text: B46. Who bought or received mobilephone as gift?
2. Access only

B46\_mobilephone\_custody:

1. Question text: B46.Who owns /has custody of mobilephone?
2. Access only

B46\_mobilephone\_use\_most:

1. Question text: B46.Who tends to use mobilephone item most?
2. Access only

B46\_kept\_TV\_B\_W\_hh:

1. Question text: B46.Is TV\_ B\_W currently kept in the hh?
2. Access only

B46\_TV\_B\_W\_decided\_buy:

1. Question text: B46.Who decided to buy the TV\_ B\_W appliances?
2. Access only

B46\_TV\_B\_W\_bought\_receive\_gift:

1. Question text: B46. Who bought or received TV\_ B\_W as gift?
2. Access only

B46\_TV\_B\_W\_custody:

1. Question text: B46.Who owns /has custody of TV\_ B\_W?
2. Access only

B46\_TV\_B\_W\_use\_most:

1. Question text: B46.Who tends to use TV\_ B\_W item most?
2. Access only

B46\_kept\_TV\_color\_hh:

1. Question text: B46.Is TV\_ color currently kept in the hh?
2. Access only

B46\_TV\_color\_decided\_buy:

1. Question text: B46.Who decided to buy the TV\_ color appliances?
2. Access only

B46\_TV\_color\_bought\_receive\_gift:

1. Question text: B46. Who bought or received TV\_ color as gift?
2. Access only

B46\_TV\_color\_custody:

1. Question text: B46.Who owns /has custody of TV\_ color?
2. Access only

B46\_TV\_color\_use\_most:

1. Question text: B46.Who tends to use TV\_ color item most?
2. Access only

B46\_kept\_Blender\_mixer\_hh:

1. Question text: B46.Is Blender\_mixer currently kept in the hh?
2. Access only

B46\_Blender\_mixer\_decided\_buy:

1. Question text: B46.Who decided to buy the Blender\_mixer appliances?
2. Access only

B46\_Blender\_mixer\_b\_r\_g:

1. Question text: B46. Who bought or received Blender\_mixer as gift?

B46\_Blender\_mixer\_custody:

1. Question text: B46.Who owns /has custody of Blender\_mixer?
2. Access only

B46\_Blender\_mixer\_use\_most:

1. Question text: B46.Who tends to use Blender\_mixer item most?
2. Access only

B46\_kept\_Iron\_hh:

1. Question text: B46.Is Iron currently kept in the hh?
2. Access only

B46\_Iron\_decided\_buy:

1. Question text: B46.Who decided to buy the Iron appliances?
2. Access only

B46\_Iron\_bought\_receive\_gift:

1. Question text: B46. Who bought or received Iron as gift?
2. Access only

B46\_Iron\_custody:

1. Question text: B46.Who owns /has custody of Iron?
2. Access only

B46\_Iron\_use\_most:

1. Question text: B46.Who tends to use Iron item most?
2. Access only

B46\_kept\_table\_fan\_hh:

1. Question text: B46.Is table\_fan currently kept in the hh?
2. Access only

B46\_table\_fan\_decided\_buy:

1. Question text: B46.Who decided to buy the table\_fan appliances?
2. Access only

B46\_table\_fan\_b\_r\_g:

1. Question text: B46. Who bought or received table\_fan as gift?
2. Access only

B46\_table\_fan\_custody:

1. Question text: B46.Who owns /has custody of table\_fan?
2. Access only



B46\_table\_fan\_use\_most:

1. Question text: B46.Who tends to use table\_fan item most?
2. Access only

B46\_kept\_celing\_fan\_hh:

1. Question text: B46.Is celing\_fan currently kept in the hh?
2. Access only

B46\_celing\_fan\_decided\_buy:

1. Question text: B46.Who decided to buy the celing\_fan appliances?
2. Access only

B46\_celing\_fan\_b\_r\_g:

1. Question text: B46. Who bought or received celing\_fan as gift?
2. Access only

B46\_celing\_fan\_custody:

1. Question text: B46.Who owns /has custody of celing\_fan?
2. Access only

B46\_celing\_fan\_use\_most:

1. Question text: B46.Who tends to use celing\_fan item most?
2. Access only

B46\_kept\_Fridge\_hh:

1. Question text: B46.Is Fridge currently kept in the hh?
2. Access only

B46\_Fridge\_decided\_buy:

1. Question text: B46.Who decided to buy the Fridge appliances?
2. Access only

B46\_Fridge\_bought\_receive\_gift:

1. Question text: B46. Who bought or received Fridge as gift?
2. Access only

B46\_Fridge\_custody:

1. Question text: B46.Who owns /has custody of Fridge?
2. Access only

B46\_Fridge\_use\_most:

1. Question text: B46.Who tends to use Fridge item most?
2. Access only

B46\_kept\_Freezer\_hh:

1. Question text: B46.Is Freezer currently kept in the hh?
2. Access only

B46\_Freezer\_decided\_buy:

1. Question text: B46.Who decided to buy the Freezer appliances?
2. Access only

B46\_Freezer\_bought\_receive\_gift:

1. Question text: B46. Who bought or received Freezer as gift?
2. Access only

B46\_Freezer\_custody:

1. Question text: B46.Who owns /has custody of Freezer?
2. Access only

B46\_Freezer\_use\_most:

1. Question text: B46.Who tends to use Freezer item most?
2. Access only

B46\_kept\_Sewing\_electric\_hh:

1. Question text: B46.Is Sewing\_machine\_electric currently kept in the hh?
2. Access only

B46\_Sewing\_electric\_decided\_buy:

1. Question text: B46.Who decided to buy the Sewing\_machine\_electric appliances?
2. Access only

B46\_Sewing\_electric\_b\_r\_g:

1. Question text: B46. Who bought or received Sewing\_machine\_electric as gift?
2. Access only

B46\_Sewing\_electric\_custody:

1. Question text: B46.Who owns /has custody of Sewing\_machine\_electric?
2. Access only

B46\_Sewing\_electric\_use\_most:

1. Question text: B46.Who tends to use Sewing\_machine\_electric item most?
2. Access only

B46\_kept\_Rice\_Cooker\_hh:

1. Question text: B46.Is Rice\_Cooker currently kept in the hh?
2. Access only

B46\_Rice\_Cooker\_decided\_buy:

1. Question text: B46.Who decided to buy the Rice\_Cooker appliances?
2. Access only

B46\_Rice\_Cooker\_b\_r\_g:

1. Question text: B46. Who bought or received Rice\_Cooker as gift?
2. Access only

B46\_Rice\_Cooker\_custody:

1. Question text: B46.Who owns /has custody of Rice\_Cooker?
2. Access only

B46\_Rice\_Cooker\_use\_most:

1. Question text: B46.Who tends to use Rice\_Cooker item most?
2. Access only

B46\_kept\_EWB\_kettle\_hh:

1. Question text: B46.Is Electric\_water\_boiler\_kettle currently kept in the hh?
2. Access only

B46\_EWB\_kettle\_decided\_buy:

1. Question text: B46.Who decided to buy the Electric\_water\_boiler\_kettle appliances?
2. Access only

B46\_EWB\_kettle\_b\_r\_g:

1. Question text: B46. Who bought or received Electric\_water\_boiler\_kettle as gift?
2. Access only

B46\_EWB\_kettle\_custody:

1. Question text: B46.Who owns /has custody of Electric\_water\_boiler\_kettle?
2. Access only

B46\_EWB\_kettle\_use\_most:

1. Question text: B46.Who tends to use Electric\_water\_boiler\_kettle item most?
2. Access only

B46\_kept\_Other\_EC\_hh:

1. Question text: B46.Is Other\_electric\_cooker currently kept in the hh?
2. Access only

B46\_Other\_EC\_decided\_buy:

1. Question text: B46.Who decided to buy the Other\_electric\_cooker appliances?
2. Access only

B46\_Other\_EC\_b\_r\_g:

1. Question text: B46. Who bought or received Other\_electric\_cooker as gift?
2. Access only

B46\_Other\_EC\_custody:

1. Question text: B46.Who owns /has custody of Other\_electric\_cooker?
2. Access only

B46\_Other\_EC\_use\_most:

1. Question text: B46.Who tends to use Other\_electric\_cooker item most?
2. Access only

B46\_kept\_Other:

1. Question text: B46. Do you have any other electric appliances?
2. Access only

B46\_others\_specify:

1. Question text: B46. Other (Specify)
2. Access only

B46\_Other\_specify\_decided\_buy:

1. Question text: B46.Who decided to buy the Other\_specify appliances?
2. Access only

B46\_Other\_specify\_b\_r\_g:

1. Question text: B46. Who bought or received Other\_specify as gift?
2. Access only

B46\_Other\_specify\_custody:

1. Question text: B46.Who owns /has custody of Other\_specify ?
2. Access only

B46\_Other\_specify\_use\_most:

1. Question text: B46.Who tends to use Other\_specify item most?
2. Access only

B47:

1. Question text: B47.If you had the money, what would you buy next?
2. Access only

C01\_women\_member\_committee:

1. Question text: C01.Is women family member in this hh a member of a group or committee in this community?
2. Common Access and no Access

C01\_men\_member\_committee:

1. Question text: C01.Is men family member in this hh a member of a group or committee in this community?
2. Common Access and no Access

C02\_Women\_voted\_lastelection:

1. Question text: C02.Women in this hh voted during the last political election?
2. Common Access and no Access

C02\_men\_voted\_lastelection:

1. Question text: C02.men in this hh voted during the last political election?
2. Common Access and no Access

C03:

1. Question text: C03.If they were given equal education and opportunities, do you think that women and men have the same capabilities to serve their community and country?
2. Common Access and no Access

C04:

1. Question text: C04.Do you think that a husband may sometimes been titled to beat his spouse if she fails to behave as  
a good wife?

2. Common Access and no Access

C05\_permission\_majoritem:

1. Question text: C05.does a wife need permission from her husband when she wants to purchase a major item?

2. Common Access and no Access

C05\_wife\_permission\_goto\_town:

1. Question text: C05.does a wife need permission from her husband when she wants to go to a town/village centre for

market day or visit her parents at home, or obtain remittances/vouchers?

2. Common Access and no Access

C05\_wife\_doc\_parents\_remit:

1. Question text: C05.does a wife need permission from her husband when she wants to travel to visit a doctor?

2. Common Access and no Access

C06:

1. Question text: C06.Does it happen that a husband needs permission from his wife?

2. Common Access and no Access

C07\_decide\_healthissue:

1. Question text: C07.In this household, who tends to decide on the health issues?

2. Common Access and no Access

C07\_decide\_Children\_education:

1. Question text: C07.In this household, who tends to decide on the Children's education ?

2. Common Access and no Access

C07\_Choice\_marriage\_partner:

1. Question text: C07.In this household, who tends to decide on the Choice of marriage partner ?

2. Common Access and no Access

C08\_1:

1. Question text: C08.When a woman travels, (e.g. to the closest town) may she go(tick off for all that applies) (#1/5)

2. Common Access and no Access

C08\_2:

1. Question text: C08.When a woman travels, (e.g. to the closest town) may she go(tick off for all that applies) (#2/5)

2. Common Access and no Access

C08\_3:

1. Question text: C08.When a woman travels, (e.g. to the closest town) may she go(tick off for all that applies) (#3/5)

2. Common Access and no Access

C08\_4:

1. Question text: C08.When a woman travels, (e.g. to the closest town) may she go(tick off for all that applies) (#4/5)

2. Common Access and no Access

C08\_5:

1. Question text: C08.When a woman travels, (e.g. to the closest town) may she go(tick off for all that applies) (#5/5)

2. Common Access and no Access

C09\_1:

1. Question text: C09.On her last trip, the woman in this household travelled? (#1/5)

2. Common Access and no Access

C09\_2:

1. Question text: C09.On her last trip, the woman in this household travelled? (#2/5)

2. Common Access and no Access

C09\_3:

1. Question text: C09.On her last trip, the woman in this household travelled? (#3/5)

2. Common Access and no Access

C09\_4:

1. Question text: C09.On her last trip, the woman in this household travelled? (#4/5)

2. Common Access and no Access

C09\_5:

1. Question text: C09.On her last trip, the woman in this household travelled? (#5/5)
2. Common Access and no Access

C10:

1. Question text: C10.As a parent, would you prefer getting
2. Common Access and no Access

C11:

1. Question text: C11.How good is the mobile coverage in this area (making it possible to use a phone for calling)?
2. Common Access and no Access

C12\_use\_phone\_speak\_relatives:

1. Question text: C12.Do you use phone Speak with relatives/friends about everyday, social matters?
2. Common Access and no Access

C12\_use\_phone\_difficult:

1. Question text: C12.Do you use phone get assistance in difficult times ?
2. Common Access and no Access

C12\_use\_phone\_speak\_IGA:

1. Question text: C12.Do you use phone Speak with people about income generation activities?
2. Common Access and no Access

C12\_use\_phone\_text\_messages:

1. Question text: C12.Do you use phone Send/receive text messages (about any issue)?
2. Common Access and no Access

C12\_internet\_available:

1. Question text: C12.Is Internet available in this area (coverage)?
2. Common Access and no Access

C12\_internet\_available\_home:

1. Question text: C12.In your home, can you access Internet through your phone?



2. Common Access and no Access

C13\_internet\_use\_info:

1. Question text: C13.how often do you use the Internet to Obtain information?
2. Common Access and no Access

C13\_internet\_use\_other:

1. Question text: C13.how often do you use the Internet to communicate with others?
2. Common Access and no Access

C13\_internet\_use\_social\_media:

1. Question text: C13.how often do you use the Internet to Use of social media like Facebook or Whatsapp?
2. Common Access and no Access

C14\_watch\_regular\_TV:

1. Question text: C14.Television: Do you regularly watch television?
2. Common Access and no Access

C14\_watch\_regular\_TV\_1\_3\_times\_w:

1. Common Access and no Access

C14\_watch\_TV\_where:

1. Question text: C14.Where do they tend to watch television?
2. Common Access and no Access

C14\_taught:

1. Question text: C14.'Television has taught me many things of practical use'
2. Common Access and no Access

C14\_equal\_right:

1. Question text: C14.'Television has inspired me to think that women and men should have equal rights'
2. Common Access and no Access

C14\_inspiration:

1. Question text: C14.'Television has inspired me to do things in a different way'
2. Common Access and no Access

C14\_children\_negative\_influence:

1. Question text: C14.Television poses a threat to the children in terms of negative influence
2. Common Access and no Access

C14\_inspired\_family\_planning:

1. Question text: C14.'Inspired from what they have watched on television, more people are now practicing family planning
2. Common Access and no Access

C14\_time\_pressure:

1. Question text: C14.Television has put pressure on my time use'
2. Common Access and no Access

C14\_negative\_effects\_women:

1. Question text: C14.The use of electricity negative effects for women
2. Common Access and no Access

C14\_negative\_effects\_men:

1. Question text: C14.The use of electricity negative effects for men
2. Common Access and no Access

C14\_negative\_effects\_girls:

1. Question text: C14.The use of electricity negative effects for girls
2. Common Access and no Access

C14\_negative\_effects\_boys:

1. Question text: C14.The use of electricity negative effects for boys
2. Common Access and no Access

C14\_negative\_effects:

1. Question text: C14.Negative effects for particular groups (e.g. castes, religious groups)
2. Common Access and no Access

C14\_negative\_community:

1. Question text: C14.Negative effects for the community in general
2. Common Access and no Access

C15\_women\_decide\_matters:

1. Question text: C15.Do you feel that women can decide over matters that concern or affect them?

2. Common Access and no Access

C15\_men\_decide\_matters:

1. Question text: C15.Do you feel that men can decide over matters that concern or affect them?

2. Common Access and no Access

C15\_lives\_women:

1. Question text: C15.what is your overall impression of the impact of this on the lives of women (with or without electricity at home)?

2. Common Access and no Access

C15\_lives\_men:

1. Question text: C15.what is your overall impression of the impact of this on the lives of men (with or without electricity at home)?

2. Common Access and no Access

C15\_lives\_girls:

1. Question text: C15.what is your overall impression of the impact of this on the lives of girls (with or without electricity at home)?

2. Common Access and no Access

C15\_lives\_boys:

1. Question text: C15.what is your overall impression of the impact of this on the lives of boys (with or without electricity at home)?

2. Common Access and no Access

D01\_use\_electricity\_income:

1. Question text: D01.In this hh, does the woman make use of electricity for making an income?

2. Access only

D01\_where\_activities\_carried\_out:

1. Question text: D01.Where are these activities carried out?
2. Access only

D01\_electricity\_affect\_income:

1. Question text: D01.Compared to the situation before using electricity, how did electricity affect income/production?
2. Access only

D01\_income\_before\_electricity:

1. Question text: D01.If possible, what was her typical monthly income before electrification?

D01\_income\_after\_electricity\_wom:

1. Question text: D01.If possible, what was her typical monthly income after el?
2. Access only
3. Question text: D01.If possible, what was her typical monthly income after electrification?

D02\_woman\_use\_cookingfuel:

1. Question text: D02.In this hh, does the woman use Cooking fuels for making an income?
2. Access only

D02\_where\_activities\_carried\_out:

1. Question text: D02.Where are these activities carried out?
2. Access only

D02\_what\_typical\_monthly\_income:

1. Question text: D02.If possible, what is a typical monthly income?
2. Access only

D03\_use\_electricity\_man:

1. Question text: D03.In this hh, does the man make use of electricity for making an income (e.g. small business, producing food or things that are sold)?
2. Access only

D03\_electricity\_affect\_man:

1. Question text: D03.How did his use of electricity affect this income/production?
2. Access only

D03\_income\_before\_electricity\_ma:

1. Question text: D03.If possible, what was his typical monthly income before el?
2. Access only
3. Question text: D03.If possible, what was his typical monthly income before electrification?

D03\_income\_after\_electricity\_man:

1. Question text: D03.If possible, what was her typical monthly income after el?
2. Access only
3. Question text: D03.If possible, what was her typical monthly income after electrification?

D04\_girls\_less than\_18\_earn\_money:

1. Question text: D04.In this household, how many Girls (< 18 yrs) work and earn money + contribute substantially to  
income generation for the HH?
2. Access only

D04\_boys\_less than\_18\_earn\_money:

1. Question text: D04.In this household, how many Boys (< 18 yrs) work and earn money + contribute substantially to  
income generation for the HH?
2. Access only

D05\_sleeptime\_woman:

1. Question text: D05.When do woman in this hh normally go to sleep?
2. B24\_No Access

D05\_wakeuptime\_woman:

1. Question text: D05.When do woman get up in the morning ?
2. B24\_No Access

D05\_sleeptime\_man:

1. Question text: D05.When do man in this hh normally go to sleep?
2. B24\_No Access

D05\_wakeuptime\_man:

1. Question text: D05.When do man get up in the morning ?
2. B24\_No Access

D05\_sleeptime\_girls:

1. Question text: D05.When do girls in this hh normally go to sleep?
2. B24\_No Access

D05\_wakeuptime\_girls:

1. Question text: D05.When do girl get up in the morning ?
2. B24\_No Access

D05\_sleeptime\_boys:

1. Question text: D05.When do boys in this hh normally go to sleep?
2. B24\_No Access

D05\_wakeuptime\_boys:

1. Question text: D05.When do boys get up in the morning ?
2. B24\_No Access

D06:

1. Question text: D06. Do you think that people with electricity at home go to bed later than those without electricity?
2. Access only

D07\_items\_divorce\_woman:

1. Question text: D07.If a woman owned a traditional item(India: jewelry; Kenya: abed), would she keep it in the case of divorce or widowhood?
2. B25\_NoAccess

D07\_household\_divorce\_woman:

1. Question text: D07.If a woman owned a radio/freezer/TV/Solar Home System/Cookstove, would she keep it in the case of divorce or widowhood?
2. B25\_NoAccess

D08\_involve:

1. Question text: D08. Are/were women involved in electricity supply in the village (including sales of SHS)
2. B26\_NoAccess

D08\_involve\_elect\_supply:

1. Question text: D08.Was this the first time you witnessed that women held this kind of position/Responsibility Women

Were/Are Involved In Electricity Supply (Including Sales Of Shs) In The Village ?

2. B26\_NoAccess

D08\_change\_thinking\_future\_how:

1. Question text: D08.Did this change the way you think about your daughter(s) or young girls in general and what they

may be able to do in the future?

2. B26\_NoAccess

D09\_safe\_walking\_outside\_dark:

1. Question text: D09.In your neighbourhood, is it safe to walk outside after darkness for members of your hh?

2. B30\_ No access

D10\_electricity\_make\_safe\_dark:

1. Question text: D10.To what extent has electricity in your neighborhood made it safer to walk outside after darkness?

2. B31\_ No access

D11\_most\_imp\_values\_for\_child1:

1. Question text: D11.What are the most important values a parent should teach their children? (select max 2) (#1/5)

D11\_most\_imp\_values\_for\_child2:

1. Question text: D11.What are the most important values a parent should teach their children? (select max 2) (#2/5)

D11\_most\_imp\_values\_for\_child3:

1. Question text: D11.What are the most important values a parent should teach their children? (select max 2) (#3/5)

D11\_most\_imp\_values\_for\_child4:

1. Question text: D11.What are the most important values a parent should teach their children? (select max 2) (#4/5)

D11\_most\_imp\_values\_for\_child5:

1. Question text: D11.What are the most important values a parent should teach their children?  
(select max 2) (#5/5)

B27\_reason\_not\_subs\_elect1:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#1/22)
2. No Access only

B27\_reason\_not\_subs\_elect2:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#2/22)
2. No Access only

B27\_reason\_not\_subs\_elect3:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#3/22)
2. No Access only

B27\_reason\_not\_subs\_elect4:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#4/22)
2. No Access only

B27\_reason\_not\_subs\_elect5:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#5/22)
2. No Access only

B27\_reason\_not\_subs\_elect6:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#6/22)
2. No Access only

B27\_reason\_not\_subs\_elect7:



1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#7/22)
2. No Access only

B27\_reason\_not\_subs\_elect8:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#8/22)
2. No Access only

B27\_reason\_not\_subs\_elect9:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#9/22)
2. No Access only

B27\_reason\_not\_subs\_elect10:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#10/22)
2. No Access only

B27\_reason\_not\_subs\_elect11:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#11/22)
2. No Access only

B27\_reason\_not\_subs\_elect12:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#12/22)
2. No Access only

B27\_reason\_not\_subs\_elect13:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#13/22)
2. No Access only

B27\_reason\_not\_subs\_elect14:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#14/22)

2. No Access only

B27\_reason\_not\_subs\_elect15:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#15/22)

2. No Access only

B27\_reason\_not\_subs\_elect16:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#16/22)

2. No Access only

B27\_reason\_not\_subs\_elect17:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#17/22)

2. No Access only

B27\_reason\_not\_subs\_elect18:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#18/22)

2. No Access only

B27\_reason\_not\_subs\_elect19:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#19/22)

2. No Access only

B27\_reason\_not\_subs\_elect20:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#20/22)

2. No Access only

B27\_reason\_not\_subs\_elect21:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#21/22)

2. No Access only

B27\_reason\_not\_subs\_elect22:

1. Question text: B27.What are the reasons why your hh has not yet subscribed to electricity?  
(#22/22)

2. No Access only

B27\_subs\_cost:

1. Question text: B27.Subscription cost for non-electrified households

2. No Access only

B27\_consus\_cost:

1. Question text: B27.Consumption cost for non-electrified households

2. No Access only

B28\_10\_mins\_access:

1. If neighbour or people within 10 minutes walking distance have electricity access at home

2. No Access only

## Annex A.4: Overview of Indicators

EFEWEE FRAMEWORK: ANALYSING WOMEN'S EMPOWERMENT THROUGH ELECTRICITY ACCESS

Questions refer to HOUSEHOLD SURVEY, questionnaire: "Households with access"

*Dimensions 1-3: compare situation before/after or between hh with and without access*

### Dimension 1: OVERARCHING ISSUES (OI)

Sub-dimensions	Concept	INDICATOR	Question Ref_ WITH ACCESS
Women and men's rights	Rights to land and assets	Ownership of land / assets	A16, A17
		Ownership of house	A14, A15
		Inheritance norms	not covered in survey
	Gender norms	Perceptions of capabilities	C03

<b>Gender ideologies and norms</b> (How women and men are expected to be and behave, their roles and responsibilities)	Gender norms	Acceptance of domestic violence	C04
	Roles and responsibilities	Frequency of men cooking	B25, B26
<b>Women and men's social positions:</b> How women and men of various ages and classes are valued.	Value of daughters vs sons	Child preference (boy vs girl)	C10, A30 (food scarcity - women's position)

## Dimension 2: ACCESS TO AND CONTROL OVER RESOURCES

Sub-dimensions	Concept	INDICATOR	Question Ref_WITH ACCESS
<b>Material opportunities</b>	Poverty/food	food scarcity, who is most impacted	A29, A30
	Poverty/income	children's income contribution	D04
		general income (man and woman)	A20, A21
		income from electricity	D01, D03
		income from cooking fuels	D02
	Access to using lights and appliances	Rooms with lights	B05, B07
		Access to using TV	C14, B46
		Access to using convenience appliances	B46
		Aspirations to get new appliances	B47
	Access to using mobile phones	Purposes of using mobile phone	C12, B46
	Access to using internet	Purposes of using internet	C12, C13
Sub-dimensions	Concept	INDICATOR	Question Ref_WITH ACCESS
<b>Material endowments (long term)</b>	Ownership to land, the house and assets	Ownership of land / assets	A16, A17
		Ownership of non-electric assets	A23
		Ownership of electric appliances	B01, B46
		Control over assets in case of divorce / widowhood	D07
	Savings and access to credit	engaging in formal monetary transactions and savings	A22

<b>Social resources</b> (communication, social networks, social inclusion)	Assistance through mobiles	See Material Opportunities (access to using mobiles)	
	Internet: info and communication	See Material Opportunities (access to using internet)	
<b>Human resources</b> (Access to information, education, knowledge, degree of drudgery (time use), comfort and convenience, health, safety. , incl. psychol. power)	Frequency of TV watching	See Material Opportunities (access to using TV	
	Influence of TV	Attitudes from TV, family planning	C14
	negative effects of TV, mobile, internet	perceived negative effects	C14
	drudgery	who collects, hours spent collecting fuelwood per week	B09, B10, B11, B12
		hours spent collecting water per week	A24, A25
		hours spent walking to school / market	A26
		hours spent walking to health facility	A27
	hours awake	hours awake	D05, D06
	literacy / education	hours spent on homework	A10
		school enrolment	A08
		respondent's literacy level	A18, A19
	safety	safety in immediate environment	D09, D10, B20, B21, B22, B23
	mobility	Women's mobility	C08, C09
	well-being, self-assessment of change		
	the good life	perceptions of values (parenting)	D11

### Dimension 3: AGENCY, GENERAL

Sub-dimensions	Concept	INDICATOR	Question Ref_WITH ACCESS
<b>Influence on life decisions</b> (Ability to influence decisions which they conceive as significant in their lives. Includes political power)	large investments	perception of influence on decisions	A31
	self-perception, decisions	perception of opportunity to decide	C15
	major decisions: health and childrens' education and marriage partner	perception of influence on decisions	C07
<b>Influence on everyday decisions</b> (ability to influence decision making in	permission from spouse	Permission from spouse	C05, C06
	expenditure decisions	expenditure decisions	A32

everyday life which in sum affects a person's or group's autonomy and power to influence matters that affect or concern them)			
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#### Dimension 4: AGENCY IN ELECTRICITY

Sub-dimensions	Concept	INDICATOR	Question Ref_ WITH ACCESS
<b>Influence on hh decisions regarding electricity at home</b> (Ability to influence decisions regarding the household's subscription, installation, use and payment of electricity and acquisition and use of appliances)	Aquisition of el and subsctiption	Gender of subscriber	B29
		Bills paid by (gender)	B32, B33
		Handling subscription	B37, B39, B43
	Aquisition of appliances	See Material Endowments	
	Control over electricity's uses	Decision on placement of lights	B06
		See Material Endowments	
<b>Influence on system of supply</b> (Involvement in and ability to influence electricity supply)		awareness of women involved in supply	D08
<b>Impact of women's involvement in supply on the empowerment of women in the wider community</b>		perception of the effect of women's involvement in supply	D08

#### Dimension 5: NEGATIVE EFFECTS ON WOMEN'S EMPOWERMENT

Sub-dimensions	Concept	INDICATOR	Question Ref_ WITH ACCESS
<b>Signs of deterioration in any of the above dimensions</b>			C14