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# World Bank Energy - PNG

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## SURVEY IDENTIFICATION INFORMATION QUESTIONNAIRE DESCRIPTION

### COVER

No sub-sections, No rosters, Questions: 5.

### A - INTERVIEW INFORMATION

No sub-sections, No rosters, Questions: 18, Static texts: 2, Variables: 4.

### B - BASIC INFORMATION

No sub-sections, No rosters, Questions: 14.

### C - HOUSEHOLD ELECTRICITY

No sub-sections, No rosters, Questions: 15, Variables: 1.

### D - HOUSEHOLD COOKING

No sub-sections, No rosters, Questions: 10, Variables: 1.

### E - WTP FOR GRID CONNECTION FEE

No sub-sections, No rosters, Questions: 9, Static texts: 2, Variables: 4.

### F - WTP FOR OGS

No sub-sections, No rosters, Questions: 8, Static texts: 4, Variables: 6.

### G - ENERGY EXPENDITURE

No sub-sections, No rosters, Questions: 9.

### H - ASSETS

No sub-sections, No rosters, Questions: 28, Static texts: 1.

### I - IMPACT ON ENERGY SECTOR OF COVID-19 PANDAMIC

No sub-sections, No rosters, Questions: 25, Static texts: 6.

### J - BEHAVIOR ON COVID-19 VACCINATION

No sub-sections, No rosters, Questions: 10.

### END PAGE

No sub-sections, No rosters, Questions: 6, Static texts: 10.

### APPENDIX A — VALIDATION CONDITIONS AND MESSAGES

### APPENDIX B — CATEGORIES

### APPENDIX C — VARIABLES

### LEGEND

*SURVEY IDENTIFICATION INFORMATION  
QUESTIONNAIRE DESCRIPTION*

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**Basic information**

*Title* World Bank Energy - PNG

# COVER

Cov

Replacement_Household - 1 for replacement household 0 for pre-loaded	SINGLE-SELECT <span style="float: right;">Replacement_Household</span> 00 <input type="radio"/> Pre-Loaded 01 <input type="radio"/> Replacement
HID_round2 - holds the household ID from round 2	NUMERIC: INTEGER <span style="float: right;">HID_round2</span> -----
Phone_Round2 - Pre-loaded phone number from round 2	NUMERIC: INTEGER <span style="float: right;">Phone_Round2</span> -----
RESPONDENT ROUND 2	TEXT <span style="float: right;">respondent_name_round2</span> .....
A1 - INTERVIEWER: ENTER THE PHONE NUMBER DIALLED  I Please enter eight digit number beginning with 7 (no country code) V1 self.InRange(70000000, 80000000) M1 Please enter a valid PNG number beginning with 7 and eight digits long	NUMERIC: INTEGER <span style="float: right;">A1</span>  -----

# A - INTERVIEW INFORMATION

SecA

E IsAnswered(A1)

Respondent_gender_round2	SINGLE-SELECT SCOPE: HIDDEN Respondent_gender_round2 01 <input type="radio"/> Male 02 <input type="radio"/> Female
RESPONDENT RELATIONSHIP WITH HOUSEHOLD HEAD ROUND 2	SINGLE-SELECT SCOPE: HIDDEN respondent_relationship_round2 01 <input type="radio"/> HEAD 02 <input type="radio"/> SPOUSE 03 <input type="radio"/> OWN CHILD 04 <input type="radio"/> STEP CHILD 05 <input type="radio"/> ADOPTED CHILD 06 <input type="radio"/> GRANDCHILD 07 <input type="radio"/> BROTHER/SISTER 08 <input type="radio"/> NIECE/NEPHEW 09 <input type="radio"/> BROTHER/SISTER-IN-LAW 10 <input type="radio"/> PARENT 11 <input type="radio"/> PARENT-IN-LAW 12 <input type="radio"/> DOMESTIC HELP (RESIDENT) 13 <input type="radio"/> DOMESTIC HELP (NON RESIDENT) 14 <input type="radio"/> OTHER RELATION (SPECIFY ) 15 <input type="radio"/> OTHER NON-RELATION (SPECIFY)
Household_Size_Round2	NUMERIC: INTEGER SCOPE: HIDDEN Household_Size_Round2 -----
Household_Wealth_Round2	NUMERIC: DECIMAL SCOPE: HIDDEN Household_wealth_Round2 -----
Respondent_Education_Round2	SINGLE-SELECT SCOPE: HIDDEN Respondent_Education_Round2 00 <input type="radio"/> No Education 01 <input type="radio"/> Primary of below 02 <input type="radio"/> Secondary / vocational 03 <input type="radio"/> Tertiary
[s1q0] TIME / DATE STAMP	DATE: CURRENT TIME s1q0 .....

STATIC TEXT

E IsAnswered(s1q0)

*Greetings! My name is [YOUR NAME]. I am calling on behalf of the World Bank. We are currently doing a nationwide survey to understand the Energy Access rate in Papua New Guinea. If you decide to answer the survey we will send you K3 airtime to say thank you for participating. All information provided will be kept confidential and used by the World Bank to support the Government in addressing the reasons of low access rate. This interview would take around 20 minutes. Any information you share with us will be kept strictly confidential and only be used for statistical purposes. If at any point there are any questions you do not feel comfortable answering, you can choose not to answer them. You can also choose to stop the interview at any point. This call will not cost you any airtime.*

<p>[s1q3] Are you willing to participate?</p> <p>I INTERVIEWER READ TO THE RESPONDENT E IsAnswered(s1q0)</p>	<p>SINGLE-SELECT <span style="float: right;">s1q3</span></p> <p>01 <input type="radio"/> Yes 02 <input type="radio"/> No 03 <input type="radio"/> Cannot understand the language</p>
<p>[s1q11] INTERVIEWER:</p> <p>IN THE CASE THAT THE RESPONDENT DOES NOT WISH TO BE INTERVIEWED, INTERVIEWERS SHOULD ATTEMPT TO CONVERT THE REFUSAL THROUGH ASKING RESPONDENTS ABOUT THEIR CONCERNS AND TRYING TO ASSUAGE THOSE CONCERNS IN A POLITE AND RESPECTFUL WAY. ALL REFUSALS SHOULD BE REVIEWED BY A SUPERVISOR AND A REASON RECORDED.</p> <p>IS THE RESPONDENT WILLING TO BE INTERVIEWED?"</p> <p>E s1q3==2</p>	<p>SINGLE-SELECT <span style="float: right;">s1q11</span></p> <p>01 <input type="radio"/> Yes 02 <input type="radio"/> No</p>
<p>[s1q12] INTERVIEWER:</p> <p>WHAT WAS THE MAIN REASON THE RESPONDENT DID NOT AGREE TO BE INTERVIEWED?</p> <p>E s1q11 == 2</p>	<p>SINGLE-SELECT <span style="float: right;">s1q12</span></p> <p>01 <input type="radio"/> Was busy 02 <input type="radio"/> Refuse</p>
<p>[s1q13] RECORD REASON FOR REFUSAL.</p> <p>E s1q12==2</p>	<p>TEXT <span style="float: right;">s1q13</span></p> <p>-----</p>
<p>[s1q4] Am I speaking with <a href="#">%respondent_name_round2%</a> ?</p> <p>E (s1q3==1    s1q11 == 1) &amp;&amp; Replacement_Household==0</p>	<p>SINGLE-SELECT <span style="float: right;">s1q4</span></p> <p>01 <input type="radio"/> YES 02 <input type="radio"/> NO</p>
<p>[s1q5] Do you know <a href="#">%respondent_name_round2%</a>?</p> <p>E s1q4==2 &amp;&amp; Replacement_Household==0</p>	<p>SINGLE-SELECT <span style="float: right;">s1q5</span></p> <p>01 <input type="radio"/> YES 02 <input type="radio"/> NO</p>
<p>[s1q5a] Is <a href="#">%respondent_name_round2%</a> a member of your household?</p> <p>E s1q5==1 &amp;&amp; Replacement_Household==0</p>	<p>SINGLE-SELECT <span style="float: right;">s1q5a</span></p> <p>01 <input type="radio"/> YES 02 <input type="radio"/> NO</p>
<p>[s1q6] Would it be possible to contact <a href="#">%respondent_name_round2%</a> ?</p> <p>E IsAnswered(s1q5a) &amp;&amp; Replacement_Household==0 W1 self == 3 M1 Attempt to contact respondent at different time / number. Move back to the start of this case and record next attempt. [Press here to move back to start](A1)</p>	<p>SINGLE-SELECT <span style="float: right;">s1q6</span></p> <p>01 <input type="radio"/> YES ON THIS NUMBER BUT AT A DIFFERENT TIME 02 <input type="radio"/> YES ON ANOTHER NUMBER 03 <input type="radio"/> NO</p>
<p>[s1q7] Why is it not possible to contact <a href="#">%respondent_name_round2%</a> ?</p> <p>E s1q6==3 &amp;&amp; Replacement_Household==0</p>	<p>SINGLE-SELECT <span style="float: right;">s1q7</span></p> <p>01 <input type="radio"/> NO LONGER IN TOUCH / DO NOT KNOW HOW TO CONTACT 02 <input type="radio"/> RESPONDENT LEFT COUNTRY 03 <input type="radio"/> RESPONDENT DECEASED 04 <input type="radio"/> OTHER, SPECIFY</p>

<p>Other, Specify:</p> <p>E s1q7==4</p>	<p>TEXT</p> <p style="text-align: right;">s1q7_other</p> <p>-----</p>
<p>[s1q8] What is your name?</p> <p>I RECORD THE NAME OF RESPONDENT</p> <p>E (s1q5==2    IsAnswered(s1q7))    (Replacement_Household == 1 &amp;&amp; (s1q3==1    s1q11 == 1))</p>	<p>TEXT</p> <p style="text-align: right;">s1q8</p> <p>-----</p>
<p>VARIABLE</p> <p>s1q4==1 ? respondent_name_round2 : s1q8</p>	<p>STRING</p> <p style="text-align: right;">respondent_name_round3</p>
<p>VARIABLE</p> <p>s1q4==1 ? false : s1q4==2 &amp; s1q5==1 &amp; s1q5a==1 ? false : true</p>	<p>BOOLEAN</p> <p style="text-align: right;">new_household</p>
<p>[s1q9] In order to participate in this survey you must be over 18 years of age. Can you tell me your age?</p> <p>I INTERVIEWER READ TO THE RESPONDENT</p> <p>E IsAnswered(s1q8)</p> <p>V1 self&lt;=120</p> <p>M1 The respondent age cannot be greater than 120 years old</p>	<p>NUMERIC: INTEGER</p> <p style="text-align: right;">s1q9</p> <p>-----</p>
<p>VARIABLE</p> <p>s1q4 == 1 ? 1 : s1q5a == 1 &amp;&amp; s1q9 &gt;= 18 ? 2 : (s1q5==2    s1q5a == 2) &amp;&amp; s1q9 &gt;= 18 ? 3 : Replacement_Household == 1 &amp;&amp; s1q9 &gt;= 18? 4 : 0</p>	<p>LONG</p> <p style="text-align: right;">RESPTYPE</p>
<p>VARIABLE</p> <p>RESPTYPE==1? "Returning Household / Same Respondent" : RESPTYPE==2? "Returning Household / New Respondent" : RESPTYPE==3? "Returning Phone number / New Household / New Respondent" : RESPTYPE==4? "Rep1</p> <p><a href="#">And 63 other symbols [1]</a></p>	<p>STRING</p> <p style="text-align: right;">RESPTYPE_STRING</p>
<p>STATIC TEXT</p> <p><i>%RESPTYPE% - %RESPTYPE_STRING%</i></p>	

# B - BASIC INFORMATION

SecB

E \$consent

<p>B1 - INTERVIEWER: WHAT IS THE SEX OF THE RESPONDENT. CONFIRM IF UNSURE.</p> <p>E RESPTYPE.InList(2,3,4)</p>	<p>SINGLE-SELECT <span style="float: right;">B1</span></p> <p>01 <input type="radio"/> Male</p> <p>02 <input type="radio"/> Female</p>
<p>B2 - What is your relationship to the head of household?</p> <p>E RESPTYPE.InList(2,3,4)</p>	<p>SINGLE-SELECT <span style="float: right;">B2</span></p> <p>01 <input type="radio"/> HEAD</p> <p>02 <input type="radio"/> SPOUSE</p> <p>03 <input type="radio"/> OWN CHILD</p> <p>04 <input type="radio"/> STEP CHILD</p> <p>05 <input type="radio"/> ADOPTED CHILD</p> <p>06 <input type="radio"/> GRANDCHILD</p> <p>07 <input type="radio"/> BROTHER/SISTER</p> <p>08 <input type="radio"/> NIECE/NEPHEW</p> <p>09 <input type="radio"/> BROTHER/SISTER-IN-LAW</p> <p>10 <input type="radio"/> PARENT</p> <p>11 <input type="radio"/> PARENT-IN-LAW</p> <p>12 <input type="radio"/> DOMESTIC HELP (RESIDENT)</p> <p>13 <input type="radio"/> DOMESTIC HELP (NON RESIDENT)</p> <p>14 <input type="radio"/> OTHER RELATION (SPECIFY )</p> <p>15 <input type="radio"/> OTHER NON-RELATION (SPECIFY)</p>
<p>B2_OTHER - Specify</p> <p>E B2.InList(14,15)</p>	<p>TEXT <span style="float: right;">B2_OTHER</span></p> <p>.....</p>
<p>B3 - How many people live in the household?</p> <p>E RESPTYPE.InList(3,4)</p> <p>V1 self &gt; 0</p> <p>M1 Must be at least one member in the household</p>	<p>NUMERIC: INTEGER <span style="float: right;">B3</span></p> <p>-----</p>

B4 - In what PROVINCE are you currently living?

SINGLE-SELECT: COMBO BOX

B4

- 01  Chimbu Province
- 02  Eastern Highlands Province
- 03  Enga Province
- 04  Southern Highlands Province
- 05  Western Highlands Province
- 06  Hela Province
- 07  Jiwaka Province
- 08  East New Britain Province
- 09  Manus Province
- 10  New Ireland Province
- 11  West New Britain Province
- 12  Autonomous Region of Bougainville (Bougainville Region)
- 13  East Sepik Province
- 14  Madang Province
- 15  Morobe Province
- 16  Sandaun (West Sepik) Province

[And 6 other symbols \[1\]](#)

B5 - In what DISTRICT are you currently living?

SINGLE-SELECT: CASCADING

B5

- 01  Chimbu Province
- 02  Chuave District
- 03  Gumine District
- 04  Karimui-Nomane District
- 05  Kerowagi District
- 06  Kundiawa-Gembogl District
- 07  Sina Sina-Yonggomugl District (Sinasiona-Yonggomugl District)
- 08  Daulo District
- 09  Goroka District
- 10  Henganofi District
- 11  Kainantu District
- 12  Lufa District
- 13  Obura-Wonenara District
- 14  Okapa District
- 15  Unggai-Benna District
- 16  Kandep District

[And 72 other symbols \[2\]](#)

B6 - Is the area in which you are living?

SINGLE-SELECT

B6

- 01  URBAN
- 02  RURAL
- 03  DON'T KNOW

B7 - What is your highest level of education completed?

SINGLE-SELECT

B7

E RESPTYPE.InList(2,3,4)

- 01  NEVER ATTENDED SCHOOL
- 02  PRE-PREPARATORY
- 03  ELEMENTARY
- 04  PRIMARY
- 05  SECONDARY
- 06  VOCATIONAL
- 07  TERTIARY OR OTHER HIGHER
- 08  OTHER, SPECIFY

<p>B7_OTHER - Specify</p> <p>E B7 == 8</p>	<p>TEXT <span style="float: right;">B7_OTHER</span></p> <p>.....</p>
<p>B8 - Last week, did you do any work for pay, do any kind of business, farming or other activity to generate income?</p>	<p>SINGLE-SELECT <span style="float: right;">B8</span></p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>B9 - What is the main activity of the business or organization in which you are currently working?</p> <p>E B8 == 1</p>	<p>SINGLE-SELECT <span style="float: right;">B9</span></p> <p>01 <input type="radio"/> AGRICULTURE</p> <p>02 <input type="radio"/> MINING</p> <p>03 <input type="radio"/> LOGGING</p> <p>04 <input type="radio"/> MANUFACTURING</p> <p>05 <input type="radio"/> PROFESSIONAL/ SCIENTIFIC/TECHNICAL ACTIVITIES</p> <p>06 <input type="radio"/> ELECTRICITY/WATER/GAS /WASTE</p> <p>07 <input type="radio"/> CONSTRUCTION</p> <p>08 <input type="radio"/> TRANSPORTATION</p> <p>09 <input type="radio"/> BUYING AND SELLING</p> <p>10 <input type="radio"/> FINANCIAL/INSURANCE/ REAL EST. SERVICES</p> <p>11 <input type="radio"/> PERSONAL SERVICES</p> <p>12 <input type="radio"/> EDUCATION</p> <p>13 <input type="radio"/> HEALTH</p> <p>14 <input type="radio"/> PUBLIC ADMINISTRATION</p> <p>15 <input type="radio"/> TOURISM</p> <p>16 <input type="radio"/> HANDICRAFTS / CULTURAL INDUSTRIES</p> <p><a href="#">And 1 other symbols [3]</a></p>
<p>B9_OTHER - Specify</p> <p>E B9 == 17</p>	<p>TEXT <span style="float: right;">B9_OTHER</span></p> <p>.....</p>
<p>B10 - Are you currently employed full time or part time?</p> <p>E B8==1</p>	<p>SINGLE-SELECT <span style="float: right;">B10</span></p> <p>01 <input type="radio"/> Full Time</p> <p>02 <input type="radio"/> Part Time</p>
<p>B11 - Is your current job formal or informal?</p> <p>E B8==1</p>	<p>SINGLE-SELECT <span style="float: right;">B11</span></p> <p>01 <input type="radio"/> Formal</p> <p>02 <input type="radio"/> Informal</p> <p>03 <input type="radio"/> Don't know</p>

# C - HOUSEHOLD ELECTRICITY

SecC

E \$consent

<p>C0 - Do you have grid connection for electricity in your household?</p>	<p>SINGLE-SELECT <span style="float: right;">C0</span>                  01 <input type="radio"/> Yes                  02 <input type="radio"/> No</p>
<p>C1 - What source of electricity is used most of the time in this household?</p> <p>V1 (self.InList(0,3,4,5,6,7,96) &amp;&amp; c0==2)    c0 == 1                  M1 Household is not connected to grid                  V2 c0==1 &amp;&amp; self &gt; 0    c0 == 2                  M2 Previously indicated household has grid electricity so should not select "No electricity"</p>	<p>SINGLE-SELECT <span style="float: right;">C1</span>                  00 <input type="radio"/> No electricity in household                  01 <input type="radio"/> National grid connection from PNG Power Limited (PPL)                  02 <input type="radio"/> Local mini grid                  03 <input type="radio"/> Solar home system                  04 <input type="radio"/> Solar lantern                  05 <input type="radio"/> Electric generator                  06 <input type="radio"/> Rechargeable battery                  07 <input type="radio"/> Dry cell battery / torch                  96 <input type="radio"/> Other specify</p>
<p>C1_OTHER - Specify</p> <p>E C1==96</p>	<p>TEXT <span style="float: right;">C1_OTHER</span>                  .....</p>
<p>VARIABLE                  IsAnswered(C1_OTHER) ? " - " + C1_OTHER : " "</p>	<p>STRING <span style="float: right;">C1OTHER</span></p>
<p>C2 - who do you usually pay for your %C1%%C1OTHER%?</p> <p>E C1==1</p>	<p>SINGLE-SELECT <span style="float: right;">C2</span>                  00 <input type="radio"/> No one                  01 <input type="radio"/> Energy company/National utility                  02 <input type="radio"/> Pre-paid meter card seller                  03 <input type="radio"/> Community/village/municipality                  04 <input type="radio"/> Relative                  05 <input type="radio"/> Neighbor                  06 <input type="radio"/> Landlord                  07 <input type="radio"/> Local store                  08 <input type="radio"/> Utility office                  09 <input type="radio"/> Bank                  10 <input type="radio"/> Post office                  96 <input type="radio"/> Other</p>
<p>C2_OTHER - Specify</p> <p>E C2==96</p>	<p>TEXT <span style="float: right;">C2_OTHER</span>                  .....</p>
<p>C3 - What appliances are powered using this household's solar %C1%%C1OTHER%?</p> <p>I Please select all that apply                  E C1.InList(2,3,4,5,6)</p>	<p>MULTI-SELECT <span style="float: right;">C3</span>                  01 <input type="checkbox"/> Mobile phone charger                  02 <input type="checkbox"/> Radio                  03 <input type="checkbox"/> Television                  04 <input type="checkbox"/> Fan                  05 <input type="checkbox"/> Refrigerator                  06 <input type="checkbox"/> Electric iron                  07 <input type="checkbox"/> Cooking device                  96 <input type="checkbox"/> Other specify</p>

<p>C3_OTHER - Specify</p> <p>E C3.Contains(96)</p>	<p>TEXT <span style="float: right;">C3_OTHER</span></p> <p>.....</p>
<p>C4 - How many lightbulbs can be powered using this household's %C1%%C1OTHER%?</p> <p>E C1.InList(2,3,4,5,6)</p>	<p>SINGLE-SELECT <span style="float: right;">C4</span></p> <p>01 <input type="radio"/> Zero</p> <p>02 <input type="radio"/> One</p> <p>03 <input type="radio"/> Two or more</p>
<p>C5 - Are there any other sources of electricity used in this household?</p> <p>F @optioncode != C1    @optioncode == 97</p> <p>E C1!=0 &amp;&amp; c1!=7</p> <p>V1 self.ContainsOnly(0)    (self.ContainsAny(1,2,3,4,5,6,7,97) &amp;&amp; !self.Contains(0))</p> <p>M1 Cannot select "no other sources" with other options</p>	<p>MULTI-SELECT <span style="float: right;">C5</span></p> <p>00 <input type="checkbox"/> No other sources</p> <p>01 <input type="checkbox"/> National grid connection from PNG Power Limited (PPL)</p> <p>02 <input type="checkbox"/> Local mini grid</p> <p>03 <input type="checkbox"/> Solar home system</p> <p>04 <input type="checkbox"/> Solar lantern</p> <p>05 <input type="checkbox"/> Electric generator</p> <p>06 <input type="checkbox"/> Rechargeable battery</p> <p>07 <input type="checkbox"/> Dry cell battery / torch</p> <p>97 <input type="checkbox"/> Other</p>
<p>C5_OTHER - Specify</p> <p>E C5.Contains(97)</p>	<p>TEXT <span style="float: right;">C5_OTHER</span></p> <p>.....</p>
<p>C6 - In the last 7 days, how many hours of electricity were available each day on average from %C1%%C1OTHER%?</p> <p>I Number of hours</p> <p>E C1!=0 &amp;&amp; c1!=7</p> <p>V1 self.InRange(0,24)    self == -99</p> <p>M1 Must be within 0 and 24 hours per day</p>	<p>NUMERIC: INTEGER <span style="float: right;">C6</span></p> <p>-----</p> <p>SPECIAL VALUES</p> <p>-99 Does not know / unsure</p>
<p>C7 - In the last 7 days, how many hours of electricity were available each evening on average, from 6:00 pm to 10:00 pm from %C1%%C1OTHER%?</p> <p>I Number of hours</p> <p>E C6 &lt; 24    C6 == 99</p> <p>V1 self.InRange(0,4)    self == -99</p> <p>M1 Must be within 0 and 4 hours per day</p>	<p>NUMERIC: INTEGER <span style="float: right;">C7</span></p> <p>-----</p> <p>SPECIAL VALUES</p> <p>-99 Does not know / unsure</p>
<p>C8 - In the last 7 days, how many times were there unscheduled outages or blackouts from %C1%%C1OTHER%?</p> <p>I Number of outages or blackouts</p> <p>E C1.InList(1,2)</p>	<p>NUMERIC: INTEGER <span style="float: right;">C8</span></p> <p>-----</p> <p>SPECIAL VALUES</p> <p>-99 Don't know / unsure</p>
<p>C9 - What is the total duration of all the unscheduled outages or blackouts in the last 7 days?</p> <p>E C8&gt;0</p>	<p>NUMERIC: INTEGER <span style="float: right;">C9</span></p> <p>-----</p> <p>SPECIAL VALUES</p> <p>-99 Don't know / unsure</p>
<p>C10 - In the last 12 months, did any of this household's appliances get damaged because the voltage was going up and down in the %C1%%C1OTHER%?</p> <p>E C1.InList(1,2,5,6)</p>	<p>SINGLE-SELECT <span style="float: right;">C10</span></p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>

# D - HOUSEHOLD COOKING

SecD

E \$consent

<p>D1 - Is any food or drink consumed by household members cooked or prepared at the household dwelling using a cookstove, fire or other cooking device?</p>	<p>SINGLE-SELECT <span style="float: right;">D1</span>                  01 <input type="radio"/> Yes                  02 <input type="radio"/> No</p>
<p>D2 - What does this household use for cooking most of the time, including cooking food, making tea/coffee, boiling drinking water?</p>	<p>SINGLE-SELECT <span style="float: right;">D2</span>                  01 <input type="radio"/> Solar cooker (thermal energy, not solar panels)                  02 <input type="radio"/> Electric stove                  03 <input type="radio"/> Piped natural gas stove                  04 <input type="radio"/> Biogas stove                  05 <input type="radio"/> Liquefied petroleum gas (LPG)/ cooking gas stove                  06 <input type="radio"/> Manufactured solid fuel stove (store bought)                  07 <input type="radio"/> Traditional/artisanal solid fuel stove (non-manufactured, constructed at home)                  08 <input type="radio"/> Liquid fuel stove (used with alcohol/ethanol)                  09 <input type="radio"/> Moveable firepan                  10 <input type="radio"/> Three stone stove/open fire                  11 <input type="radio"/> Kerosene stove                  12 <input type="radio"/> Eco zoom stove                  13 <input type="radio"/> Hardy's Rocket stove                  14 <input type="radio"/> Self-built wood stove                  96 <input type="radio"/> Other specify</p>
<p>D2_OTHER - Specify</p>	<p>TEXT <span style="float: right;">D2_OTHER</span>                  .....                  .....</p>
<p>VARIABLE                  IsAnswered(D2_OTHER) ? " - " + D2_OTHER : " "</p>	<p>STRING <span style="float: right;">D2OTHER</span></p>

E D1==1

E D2 == 96

<p>D3 - What type of fuel or energy source does this household use most of the time in %D2%D2OTHER% for cooking food, making tea/coffee and boiling drinking water?</p> <p>E D2.InList(6,7,9,10,12,13,14,96)</p>	<p>SINGLE-SELECT <span style="float:right">D3</span></p> <p>01 <input type="radio"/> Alcohol/ethanol</p> <p>02 <input type="radio"/> Gasoline/diesel (not in generator)</p> <p>03 <input type="radio"/> Kerosene/paraffin</p> <p>04 <input type="radio"/> Coal/lignite unprocessed</p> <p>05 <input type="radio"/> Coal/lignite briquettes/ pellets</p> <p>06 <input type="radio"/> Charcoal unprocessed</p> <p>07 <input type="radio"/> Charcoal briquettes/pellets</p> <p>08 <input type="radio"/> Wood</p> <p>09 <input type="radio"/> Agricultural or crop residue/grass/ straw/shrubs/corn cobs</p> <p>10 <input type="radio"/> Animal waste/dung</p> <p>11 <input type="radio"/> Processed biomass pellets/ briquettes</p> <p>12 <input type="radio"/> Woodchips</p> <p>13 <input type="radio"/> Garbage/plastic</p> <p>14 <input type="radio"/> Sawdust</p> <p>96 <input type="radio"/> Other Specify</p>
<p>D3_OTHER - Specify</p> <p>E D3==96</p>	<p>TEXT <span style="float:right">D3_OTHER</span></p> <p>.....</p>
<p>D4 - How much did this household pay for %D2%D2OTHER% fuel or energy source last month for cooking?</p> <p>I Kina</p> <p>E IsAnswered(D2)</p> <p>V1 (self == 0 &amp;&amp; D2 ==1)    D2!=1</p> <p>M1 Solar cooker should have 0 cost for fuel</p>	<p>NUMERIC: INTEGER <span style="float:right">D4</span></p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 Pays Nothing</p> <p>-99 Don' t know</p>
<p>D5 - Is the cooking with %D2%D2OTHER% usually done in the house, in a separate building, or outdoors?</p> <p>I (If in main house, probe to determine if cooking is done in a separate room. If outdoors, probe to determine if cooking is done on veranda, covered porch, or open air.)</p> <p>E D2.InList(6,7,8,9,10,11,12,13,14,96)</p>	<p>SINGLE-SELECT <span style="float:right">D5</span></p> <p>01 <input type="radio"/> In main house: no separate room</p> <p>02 <input type="radio"/> In main house: separate room</p> <p>03 <input type="radio"/> Outside of main house: in a separate room</p> <p>04 <input type="radio"/> Outside of main house in open air</p> <p>05 <input type="radio"/> On veranda or covered porch</p> <p>96 <input type="radio"/> Other</p>
<p>D5_OTHER - Specify</p> <p>E D5==96</p>	<p>TEXT <span style="float:right">D5_OTHER</span></p> <p>.....</p>
<p>D6 - Does the cookstove have a chimney or hood?</p> <p>E D2.InList(6,7,8,9,10,11,12,13,14,96)</p>	<p>SINGLE-SELECT <span style="float:right">D6</span></p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>99 <input type="radio"/> Don't know</p>
<p>D7 - How many doors and windows (opening to the outside)does the cooking space have?</p> <p>I Number of openings</p> <p>E D2.InList(6,7,8,9,10,11,12,13,14,96)</p>	<p>NUMERIC: INTEGER <span style="float:right">D7</span></p> <p>-----</p>

# E - WTP FOR GRID CONNECTION FEE

SecE

E C0 == 2

VARIABLE 48	LONG	FEEFULL_3
Holds the random number for this section	NUMERIC: DECIMAL SCOPE: HIDDEN	Random_3
VARIABLE Random_3.InRange(0,16.66)? 0.14 : Random_3.InRange(16.66,33.33)? 0.29 : Random_3.InRange(33.33,50)? 0.43 : Random_3.InRange(50,66.66)? 0.57 : Random_3.InRange(66.66,83.33)? 0.71 : Random_3.InRange(83.33,100)	DOUBLE	Multiplier_3
<a href="#">And 14 other symbols [2]</a>		
VARIABLE FEEFULL_3 * Multiplier_3	DOUBLE	CF_3
VARIABLE Math.Truncate(CF_3.Value * 100) / 100;	DOUBLE	CF_3_Round

STATIC TEXT

*To use electricity, you need to have a wire from a meter in your house to the pole first. That is the connection. In addition, you also need to have wires to connect appliances within your house to the meter and you must pay for what is used. I would like to ask you questions only about the cost of connecting - getting a wire from the electricity poles to a meter on your house*

STATIC TEXT

*If you could pay a "lump sum" price for an electricity connection, in other words, you are offered a price and a period of time to decide whether to take this price. If you decide to take the price, you have to pay all at once, after which you are immediately connected. As you answer the next few questions, assume that all other wiring fees and monthly service fees for using electricity, once you have the connection, remain the same as they are now.*

E1 - Would you be willing to pay %CF_3_Round% Kina upfront for an electricity connection?	SINGLE-SELECT 01 <input type="radio"/> Yes 00 <input type="radio"/> No	E1
E2 - Would you be willing to pay %CF_3_Round% Kina for an electricity connection, if you were given 3 months to make the payment?	SINGLE-SELECT 001 <input type="radio"/> Yes 000 <input type="radio"/> No 888 <input type="radio"/> Don't know	E2
E3 - Would you be willing to pay %CF_3_Round% Kina for an electricity connection, if you were given 6 months to make the payment?	SINGLE-SELECT 001 <input type="radio"/> Yes 000 <input type="radio"/> No 888 <input type="radio"/> Don't know	E3
E4 - Would you be willing to pay %CF_3_Round% Kina for an electricity connection, if you were given 12 months to make the payment?	SINGLE-SELECT 001 <input type="radio"/> Yes 000 <input type="radio"/> No 888 <input type="radio"/> Don't know	E4

E E1 == 0

E E2.InList(0,888)

E E3.InList(0,888)

<p>E5 - If the connection fee were waived, would you get a grid connection?</p> <p>E E4.InList(0,888)</p>	<p>SINGLE-SELECT <span style="float: right;">E5</span></p> <p>001 <input type="radio"/> Yes</p> <p>000 <input type="radio"/> No</p> <p>888 <input type="radio"/> Don't know</p>
<p>E6 - Why would you not accept the offer?</p> <p>E E5.InList(0,888)</p>	<p>SINGLE-SELECT <span style="float: right;">E6</span></p> <p>001 <input type="radio"/> Still cannot afford the wiring costs</p> <p>002 <input type="radio"/> Do not need electricity</p> <p>003 <input type="radio"/> Electricity service is unreliable</p> <p>004 <input type="radio"/> Monthly fee is too expensive</p> <p>555 <input type="radio"/> Other, specify</p>
<p>E6_OTHER - Specify</p> <p>E E6 == 555</p>	<p>TEXT <span style="float: right;">E6_OTHER</span></p> <p>.....</p>
<p>E8 - Think about the amount you would need to spend each month for electricity, not the connection fee. How much would you need to spend each month for electricity?</p> <p>I Kina</p> <p>E E5.InList(0,888)</p>	<p>NUMERIC: INTEGER <span style="float: right;">E8</span></p> <p>-----</p> <p>SPECIAL VALUES</p> <p>888 Don't know</p>

# F - WTP FOR OGS

SecF

E \$consent

<p>Holds the random number for determining the Tier</p>	<p>NUMERIC: DECIMAL SCOPE: HIDDEN</p> <p>-----</p> <p>Random_4_Tier</p>
<p>VARIABLE Random_4_Tier.InRange(0,50)? 1 : Random_4_Tier.InRange(50,100)? 2 : 1</p>	<p>LONG</p> <p>Tier</p>
<p>VARIABLE Tier == 1? "SunKing Pro 200 i ken laitim haus bilong yu wantaim wanpela laitbalb we strong bilong lait bilong em winim 20-pela kendo li lait, na i ken sasim mobail fon bilong yu na dispela masin i ga</p> <p><a href="#">And 319 other symbols [3]</a></p>	<p>STRING</p> <p>Tier_Description</p>
<p>VARIABLE Tier == 1? 100 : Tier == 2? 2500 : 0</p>	<p>LONG</p> <p>Tier_Price</p>
<p>Holds the random number for determining the CF value</p>	<p>NUMERIC: DECIMAL SCOPE: HIDDEN</p> <p>-----</p> <p>Random_4_CF</p>
<p>VARIABLE Random_4_CF.InRange(0,33.33)? 0.33 : Random_4_CF.InRange(33.33,66.66)? 0.66 : Random_4_CF.InRange(66.66,100)? 1 : 1</p>	<p>DOUBLE</p> <p>Multiplier_4</p>
<p>VARIABLE Tier_Price * Multiplier_4</p>	<p>DOUBLE</p> <p>CF_4</p>
<p>VARIABLE Math.Round(CF_4.Value)</p>	<p>DOUBLE</p> <p>CF_4_Round</p>
<p>STATIC TEXT</p> <p><i>We will ask you questions about a solar product. A solar device gets energy from a solar system. Enumerator: describe what the solar home system can and can't do and the benefits of using a solar home system</i></p>	
<p>STATIC TEXT</p> <p>E Tier == 2</p> <p><i>The SunKing Home 400 with 32" TV is a solar device that can power a TV which will entertain your family, and light up your home with bright lights and charge your mobile phone.</i></p>	
<p>STATIC TEXT</p> <p>E Tier == 1</p> <p><i>The SunKing Pro 200 can light up your home with one lightbulb 20x brighter than a candle, and can charge your mobile phone the device also comes with 2 years of warranty, and gives you light for up to 72 hours on a single charge.</i></p>	
<p>STATIC TEXT</p> <p><i>If you could pay a "lump sum" price for this solar device; in other words, you are offered a price and if you decide to buy the device, you will have to pay it all at once. As you answer the next few questions, keep in mind the various benefits from this device as well as your household budget.</i></p>	
<p>F1 - Would you be willing to pay %CF_4_Round% Kina upfront for this solar device?</p>	<p>SINGLE-SELECT</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>F1</p>

<p>F2 - Would you be willing to pay %CF_4_Round% Kina for this solar device, if you were given 6 months to make the payment?</p> <p>E F1==0</p>	<p>SINGLE-SELECT F2</p> <p>001 <input type="radio"/> Yes</p> <p>000 <input type="radio"/> No</p> <p>888 <input type="radio"/> Don't know</p>
<p>F3 - Would you be willing to pay %CF_4_Round% Kina for this solar device, if you were given 12 months to make the payment?</p> <p>E F2.InList(0,888)</p>	<p>SINGLE-SELECT F3</p> <p>001 <input type="radio"/> Yes</p> <p>000 <input type="radio"/> No</p> <p>888 <input type="radio"/> Don't know</p>
<p>F4 - Would you be willing to pay %CF_4_Round% Kina for this solar device, if you were given 24 months to make the payment?</p> <p>E F3.InList(0,888)</p>	<p>SINGLE-SELECT F4</p> <p>001 <input type="radio"/> Yes</p> <p>000 <input type="radio"/> No</p> <p>888 <input type="radio"/> Don't know</p>
<p>F5 - Why would you not accept the offer?</p> <p>E F4.InList(0,888)</p>	<p>SINGLE-SELECT F5</p> <p>001 <input type="radio"/> Cannot afford the payment</p> <p>002 <input type="radio"/> I already have electricity to meet my needs</p> <p>003 <input type="radio"/> Maintenance/servicing of device is not available</p> <p>555 <input type="radio"/> Other, specify</p>
<p>F5_OTHER - Specify</p> <p>E F5 == 555</p>	<p>TEXT F5_OTHER</p> <p>.....</p>

# G - ENERGY EXPENDITURE

SecG

E \$consent

<p>G1 - In the last 12 months, did you use candle for lighting?</p>	<p>SINGLE-SELECT <span style="float: right;">G1</span>                  01 <input type="radio"/> Yes                  02 <input type="radio"/> No</p>
<p>G2 - In the last 12 months, how much did you spend on candles for lighting?</p>	<p>NUMERIC: INTEGER <span style="float: right;">G2</span>                  -----                  SPECIAL VALUES                  888 Don't know</p>
<p>I Kina E G1 == 1</p>	
<p>G3 - In the last 12 months, did you use kerosene for lighting?</p>	<p>SINGLE-SELECT <span style="float: right;">G3</span>                  01 <input type="radio"/> Yes                  02 <input type="radio"/> No</p>
<p>G4 - In the last 12 months, how much did you spend on kerosene for lighting?</p>	<p>NUMERIC: INTEGER <span style="float: right;">G4</span>                  -----                  SPECIAL VALUES                  888 Don't know</p>
<p>I Kina E G3 == 1</p>	
<p>G5 - In the last 12 months, did you use dry-cell battery for lighting?</p>	<p>SINGLE-SELECT <span style="float: right;">G5</span>                  01 <input type="radio"/> Yes                  02 <input type="radio"/> No</p>
<p>G6 - In the last 12 months, how much did you spend on dry-cell battery for lighting?</p>	<p>NUMERIC: INTEGER <span style="float: right;">G6</span>                  -----                  SPECIAL VALUES                  888 Don't know</p>
<p>I Kina E G5 == 1</p>	
<p>G7 - Do you use other source for lighting which are not asked in the previous questions?</p>	<p>SINGLE-SELECT <span style="float: right;">G7</span>                  01 <input type="radio"/> Yes                  02 <input type="radio"/> No</p>
<p>G8 - Could you kindly indicate what source you use for lighting?</p>	<p>TEXT <span style="float: right;">G8</span>                  -----</p>
<p>I Describe E G7 == 1</p>	
<p>G9 - In the last 12 months, how much did you spend on %G8% for lighting?</p>	<p>NUMERIC: INTEGER <span style="float: right;">G9</span>                  -----                  SPECIAL VALUES                  888 Don't know</p>
<p>I Kina E G7 == 1</p>	

# H - ASSETS

SecH

E RESPTYPE.InList(3,4)

STATIC TEXT

*THE NEXT QUESTIONS ASK ABOUT YOUR DWELLING AND THINGS YOUR HOUSEHOLD OWNS. THESE QUESTIONS HELP US UNDERSTAND THE LIVING CONDITIONS IN DIFFERENT PARTS OF PNG.*

H1 - Does anyone in your household currently own a watch?	SINGLE-SELECT 01 <input type="radio"/> Yes 02 <input type="radio"/> No	H1
H2 - Does anyone in your household currently own a radio?	SINGLE-SELECT 01 <input type="radio"/> Yes 02 <input type="radio"/> No	H2
H3 - Does anyone in your household currently own a television?	SINGLE-SELECT 01 <input type="radio"/> Yes 02 <input type="radio"/> No	H3
H4 - Does anyone in your household currently own a non-mobile telephone (landline)?	SINGLE-SELECT 01 <input type="radio"/> Yes 02 <input type="radio"/> No	H4
H5 - Does anyone in your household currently own a computer or laptop?	SINGLE-SELECT 01 <input type="radio"/> Yes 02 <input type="radio"/> No	H5
H6 - Does anyone in your household currently own a refrigerator?	SINGLE-SELECT 01 <input type="radio"/> Yes 02 <input type="radio"/> No	H6
H7 - Does anyone in your household currently own a bicycle?	SINGLE-SELECT 01 <input type="radio"/> Yes 02 <input type="radio"/> No	H7
H8 - Does anyone in your household currently own a motorcycle or scooter?	SINGLE-SELECT 01 <input type="radio"/> Yes 02 <input type="radio"/> No	H8
H9 - Does anyone in your household currently own an animal-drawn cart?	SINGLE-SELECT 01 <input type="radio"/> Yes 02 <input type="radio"/> No	H9
H10 - Does anyone in your household currently own a car or truck?	SINGLE-SELECT 01 <input type="radio"/> Yes 02 <input type="radio"/> No	H10
H11 - Does anyone in your household currently own a boat with motor?	SINGLE-SELECT 01 <input type="radio"/> Yes 02 <input type="radio"/> No	H11
H12 - Does this household own the dwelling that it occupies?	SINGLE-SELECT 01 <input type="radio"/> Yes 02 <input type="radio"/> No	H12

<p>H13 - Does any member of this household own any agricultural land?</p>	<p>SINGLE-SELECT <span style="float: right;">H13</span>  01 <input type="radio"/> Yes  02 <input type="radio"/> No</p>
<p>H14 - What is the main source of drinking water for members of your household?  I DO NOT READ OPTIONS</p>	<p>SINGLE-SELECT <span style="float: right;">H14</span>  01 <input type="radio"/> PIPED INTO DWELLING  02 <input type="radio"/> PIPED TO YARD/PLOT  03 <input type="radio"/> PIPED TO NEIGHBOR  04 <input type="radio"/> PUBLIC TAP/STANDPIPE  05 <input type="radio"/> TUBE WELL OR BOREHOLE  06 <input type="radio"/> PROTECTED WELL  07 <input type="radio"/> UNPROTECTED WELL  08 <input type="radio"/> PROTECTED SPRING  09 <input type="radio"/> UNPROTECTED SPRING  10 <input type="radio"/> RAINWATER  11 <input type="radio"/> TANKER TRUCK  12 <input type="radio"/> CART WITH SMALL TANK  13 <input type="radio"/> SURFACE WATER  (RIVER/DAM/LAKE/POND/STREAM/CANAL/IRRIG  CHANNEL)  14 <input type="radio"/> BOTTLED WATER  15 <input type="radio"/> OTHER, SPECIFY</p>
<p>H14_OTHER - Specify  E H14 == 15</p>	<p>TEXT <span style="float: right;">H14_OTHER</span>  .....</p>
<p>H15 - What kind of toilet facility do members of your household usually use?  I DO NOT READ OPTIONS</p>	<p>SINGLE-SELECT <span style="float: right;">H15</span>  01 <input type="radio"/> FLUSH TO PIPED SEWER  SYSTEM  02 <input type="radio"/> FLUSH TO SEPTIC TANK  03 <input type="radio"/> FLUSH TO PIT LATRINE  04 <input type="radio"/> FLUSH TO SOMEWHERE ELSE  05 <input type="radio"/> FLUSH, DON'T KNOW WHERE  06 <input type="radio"/> VENTILATED IMPROVED PIT  LATRINE  07 <input type="radio"/> PIT LATRINE WITH SLAB  08 <input type="radio"/> PIT LATRINE WITHOUT SLAB /  OPEN PIT  09 <input type="radio"/> COMPOSTING TOILET  10 <input type="radio"/> BUCKET TOILET  11 <input type="radio"/> HANGING TOILET / HANGING  LATRINE  12 <input type="radio"/> NO FACILITY / BUSH / FIELD  13 <input type="radio"/> OTHER, SPECIFY</p>
<p>H15_OTHER - Specify  E H15 == 13</p>	<p>TEXT <span style="float: right;">H15_OTHER</span>  .....</p>

<p>H16 - What is the main material of the walls of your main dwelling?</p> <p>I DO NOT READ OPTIONS</p>	<p>SINGLE-SELECT <span style="float: right;">H16</span></p> <p>01 <input type="radio"/> NO WALLS</p> <p>02 <input type="radio"/> CANE/PALM/TRUNKS</p> <p>03 <input type="radio"/> BAMBOO / PALM</p> <p>04 <input type="radio"/> PLYWOOD</p> <p>05 <input type="radio"/> CARDBOARD</p> <p>06 <input type="radio"/> REUSED WOOD</p> <p>07 <input type="radio"/> CEMENT</p> <p>08 <input type="radio"/> STONE WITH LIME/CEMENT</p> <p>09 <input type="radio"/> BRICKS</p> <p>10 <input type="radio"/> CEMENT BLOCKS</p> <p>11 <input type="radio"/> WOOD PLANKS / SHINGLES</p> <p>12 <input type="radio"/> FIBRO</p> <p>13 <input type="radio"/> METAL/TIN SHEETS</p> <p>14 <input type="radio"/> OTHER, SPECIFY</p>
<p>H16_OTHER - Specify</p> <p>E H16 == 14</p>	<p>TEXT <span style="float: right;">H16_OTHER</span></p> <p>.....</p>
<p>H17 - What is the main material of the floor of your main dwelling?</p> <p>I DO NOT READ OPTIONS</p>	<p>SINGLE-SELECT <span style="float: right;">H17</span></p> <p>01 <input type="radio"/> NATURAL FLOOR EARTH/SAND</p> <p>02 <input type="radio"/> WOOD PLANKS</p> <p>03 <input type="radio"/> PALM/BAMBOO</p> <p>04 <input type="radio"/> POLISHED WOOD</p> <p>05 <input type="radio"/> VINYL OR ASPHALT STRIPS</p> <p>06 <input type="radio"/> CERAMIC TILES</p> <p>07 <input type="radio"/> CEMENT</p> <p>08 <input type="radio"/> CARPET</p> <p>09 <input type="radio"/> UNPOLISHED FLOOR</p> <p>10 <input type="radio"/> OTHER, SPECIFY</p>
<p>H17_OTHER - Specify</p> <p>E H17 == 10</p>	<p>TEXT <span style="float: right;">H17_OTHER</span></p> <p>.....</p>
<p>H18 - What is the main material of the roof of your main dwelling?</p> <p>I DO NOT READ OPTIONS</p>	<p>SINGLE-SELECT <span style="float: right;">H18</span></p> <p>01 <input type="radio"/> NO ROOF</p> <p>02 <input type="radio"/> THATCH / PALM LEAF</p> <p>03 <input type="radio"/> PALM/BAMBOO</p> <p>04 <input type="radio"/> WOOD PLANKS</p> <p>05 <input type="radio"/> METAL</p> <p>06 <input type="radio"/> WOOD</p> <p>07 <input type="radio"/> CERAMIC TILES</p> <p>08 <input type="radio"/> CEMENT</p> <p>09 <input type="radio"/> OTHER, SPECIFY</p>
<p>H18_OTHER - Specify</p> <p>E H18 == 9</p>	<p>TEXT <span style="float: right;">H18_OTHER</span></p> <p>.....</p>

H19 - What is the main source of lighting your household uses?

I DO NOT READ OPTIONS

SINGLE-SELECT

H19

- 01  ELECTRICITY
- 02  PRESSURE LAMP (COLEMAN)
- 03  KEROSENE
- 04  SOLAR LIGHTING
- 05  CANDLES
- 06  OPEN FIRE
- 07  LANTERN (BATTERY OPERATED)
- 08  OTHER, SPECIFY

H19\_OTHER - Specify

E H19 == 8

TEXT

H19\_OTHER

.....

H21 - How many rooms in this household are used for sleeping?

V1 self > 0

M1 Must be greater than 0

NUMERIC: INTEGER

H21

-----

H22 - How many working mobile phones are owned by household members?

V1 self > 0

M1 Must be one or more

NUMERIC: INTEGER

H22

-----

H23 - Does any member of this household have a bank account?

SINGLE-SELECT

H23

- 01  Yes
- 02  No

# I - IMPACT ON ENERGY SECTOR OF COVID-19 PANDAMIC

SecI

E \$consent

STATIC TEXT

*MTF Questions relevant to COVID-19*

STATIC TEXT

*This section of the questionnaire focuses on the changes in energy consumption (electricity or cooking fuel), changes of households' expenditure on energy, and whether the households had to switch to a different energy source with relatively lower tier attributes due to COVID-19 pandemic (After March 2020).*

STATIC TEXT

*Effects of COVID-19 pandemic*

I01 - Have you heard about the COVID-19 pandemic or the coronavirus?	SINGLE-SELECT	I01
--	---------------	-----

- 01  Yes  
02  No

I02 - Did the main earner lose his/her job during the pandemic (after March 2020)?	SINGLE-SELECT	I02
--	---------------	-----

- 01  Yes  
02  No

I03 - Was there any reduction in household expenditure during the pandemic?	SINGLE-SELECT	I03
---	---------------	-----

- 01  Yes  
02  No

I04 - How much has household expenditure reduced compared to pre-COVID period?	SINGLE-SELECT	I04
--	---------------	-----

- 01  <=10%  
02  10-25%  
03  25-50%  
04  >50%

E I03 == 1

STATIC TEXT

E C1.InList(1,2)

*Electricity service for Grid-connected households*

I05 - How much did the household's electricity consumption change during the lockdown from pre-COVID period?	SINGLE-SELECT	I05
--	---------------	-----

- 001  Did not change  
002  Increased little (<=25%)  
003  Increased moderately (25-50%)  
004  Increased substantially (>50%)  
005  Decreased little (<=25%)  
006  Decreased moderately (25-50%)  
007  Decreased substantially (>50%)  
888  Do not know

E C1.InList(1,2)

<p>I06 - If household's electricity consumption did increase during the lockdown, why do you think it happened?</p> <p>I Multi Select E I05.InList(2,3,4)</p>	<p>MULTI-SELECT I06</p> <p>001 <input type="checkbox"/> Increase in watching TV</p> <p>002 <input type="checkbox"/> Increase in listening to radio</p> <p>003 <input type="checkbox"/> Work from home</p> <p>004 <input type="checkbox"/> Online class of children</p> <p>005 <input type="checkbox"/> Increase use of internet</p> <p>006 <input type="checkbox"/> Increase of family members due to return of migrant Workers</p> <p>007 <input type="checkbox"/> Increase of family members for other reasons</p> <p>555 <input type="checkbox"/> Other, specify</p>
<p>I06_OTHER - Specify</p> <p>E I06.Contains(555)</p>	<p>TEXT I06_OTHER</p> <p>.....</p>
<p>I07 - If household's electricity consumption increased during the lockdown, how did the household cope with rising electricity bill?</p> <p>I Multi Select E I05.InList(2,3,4)</p>	<p>MULTI-SELECT I07</p> <p>001 <input type="checkbox"/> Was not an issue</p> <p>002 <input type="checkbox"/> Used savings to pay bill</p> <p>003 <input type="checkbox"/> Cut down other household expenditures</p> <p>004 <input type="checkbox"/> Utility company/government lowered tariff</p> <p>005 <input type="checkbox"/> Utility company/government waived electricity bill</p> <p>006 <input type="checkbox"/> Utility company/government lowered electricity bill</p> <p>007 <input type="checkbox"/> Utility company/government gave moratorium on electricity bill</p> <p>008 <input type="checkbox"/> Received stimulus from government</p> <p>555 <input type="checkbox"/> Other, specify</p>
<p>I07_OTHER - Specify</p> <p>E I07.Contains(555)</p>	<p>TEXT I07_OTHER</p> <p>.....</p>
<p>I08 - Did the household switch to alternate electricity sources (completely or partially) during the pandemic?</p> <p>E C1 == 1</p>	<p>SINGLE-SELECT I08</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>I09 - What alternate sources did the household use for electricity during the pandemic?</p> <p>I Report changes only if they happened during the pandemic. Do not report if the household was already using alternate sources before the pandemic Select up to 2 E I08 == 1</p>	<p>MULTI-SELECT I09</p> <p>001 <input type="checkbox"/> Mini-grid</p> <p>002 <input type="checkbox"/> Generator set</p> <p>003 <input type="checkbox"/> Rechargeable batteries</p> <p>004 <input type="checkbox"/> SHS</p> <p>005 <input type="checkbox"/> SLS</p> <p>006 <input type="checkbox"/> Solar lanterns</p> <p>007 <input type="checkbox"/> Kerosene lamps</p> <p>008 <input type="checkbox"/> Candles</p> <p>555 <input type="checkbox"/> Other, specify</p>
<p>I09_OTHER - Specify</p> <p>E I09.Contains(555)</p>	<p>TEXT I09_OTHER</p> <p>.....</p>

STATIC TEXT

*Children's education*

<p>I10 - How many children are enrolled in school?</p> <p>I Number:</p>	<p>NUMERIC: INTEGER <span style="float: right;">I10</span></p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 None</p>
<p>I11 - Are there any online classes offered to your school going children in lockdown?</p> <p>E I10 &gt; 0</p>	<p>SINGLE-SELECT <span style="float: right;">I11</span></p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>I12 - Do your school going children attend the full-time online classes offered by the school in lockdown?</p> <p>E I11==1</p>	<p>SINGLE-SELECT <span style="float: right;">I12</span></p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>I13 - Why could not your children attend online classes completely?</p> <p>E I12==2</p>	<p>SINGLE-SELECT <span style="float: right;">I13</span></p> <p>001 <input type="radio"/> Household does not have electricity</p> <p>002 <input type="radio"/> Household does not have an internet connection</p> <p>003 <input type="radio"/> Household does not have a computer</p> <p>004 <input type="radio"/> Children are not used to attending/learning fromonline classes</p> <p>555 <input type="radio"/> Other specify</p> <p>088 <input type="radio"/> Do not know</p>
<p>I13_OTHER - Specify</p> <p>E I13 == 555</p>	<p>TEXT <span style="float: right;">I13_OTHER</span></p> <p>-----</p>
<p>I14 - Why was no class offered to your child/children from your school?</p> <p>E I11==2</p>	<p>SINGLE-SELECT <span style="float: right;">I14</span></p> <p>001 <input type="radio"/> Community does not have electricity</p> <p>002 <input type="radio"/> Community does not have internet service providers</p> <p>555 <input type="radio"/> Other specify</p> <p>888 <input type="radio"/> Do not know</p>
<p>I14_OTHER - Specify</p> <p>E I14 == 555</p>	<p>TEXT <span style="float: right;">I14_OTHER</span></p> <p>-----</p>
<p>STATIC TEXT</p>	
<p><i>Cooking behavior</i></p>	
<p>I15 - Did the household expenditure on cooking fuel change during the lockdown from pre-COVID period?</p>	<p>SINGLE-SELECT <span style="float: right;">I15</span></p> <p>001 <input type="radio"/> Did not change</p> <p>002 <input type="radio"/> Increased little (&lt;=25%)</p> <p>003 <input type="radio"/> Increased moderately (25-50%)</p> <p>004 <input type="radio"/> Increased substantially (&gt;50%)</p> <p>005 <input type="radio"/> Decreased little (&lt;=25%)</p> <p>006 <input type="radio"/> Decreased moderately (25-50%)</p> <p>007 <input type="radio"/> Decreased substantially (&gt;50%)</p> <p>888 <input type="radio"/> Do not know</p>

<p>I16 - If household's cooking fuel expenditure increased during the lockdown, how did the household cope with rising fuel cost?</p> <p>I Multi Select  E I15.InList(2,3,4)  V1 self.ContainsOnly(1)    (self.ContainsAny(2,3,4,555) &amp;&amp; !self.Contains(1))  M1 Cannot select "Was not an issue" with other answers</p>	<p>MULTI-SELECT I16</p> <p>001 <input type="checkbox"/> Was not an issue  002 <input type="checkbox"/> Used savings to pay for increased fuel cost  003 <input type="checkbox"/> Cut down other household expenditures  004 <input type="checkbox"/> Received government stimulus  555 <input type="checkbox"/> Other, specify</p>
<p>I16_OTHER - Specify</p> <p>E I16.Contains(555)</p>	<p>TEXT I16_OTHER</p> <p>.....</p>
<p>I17 - Did the household use alternate cooking fuels (completely or partially) because of the increase in cooking expenditure during the pandemic?</p> <p>E I15.InList(2,3,4)</p>	<p>SINGLE-SELECT I17</p> <p>01 <input type="radio"/> Yes  02 <input type="radio"/> No</p>
<p>I18 - What alternate/additional fuels did the household use for cooking during the pandemic that it did not use before?</p> <p>I Report changes only if they happened during the pandemic. Do not report if the household was already using these fuels before the pandemic  c Select up to 2  E I17 == 1</p>	<p>MULTI-SELECT I18</p> <p>001 <input type="checkbox"/> LPG  002 <input type="checkbox"/> Biogas  003 <input type="checkbox"/> Kerosene  004 <input type="checkbox"/> Charcoal  005 <input type="checkbox"/> Firewood  006 <input type="checkbox"/> Crop residue  007 <input type="checkbox"/> Leaves  008 <input type="checkbox"/> Animal dung  009 <input type="checkbox"/> Other biomass  555 <input type="checkbox"/> Other, specify</p>
<p>I18_OTHER - Specify</p> <p>E I18.Contains(555)</p>	<p>TEXT I18_OTHER</p> <p>.....</p>

# J - BEHAVIOR ON COVID-19 VACCINATION

SecJ

E \$consent

<p>J1 - Have you ever gotten tested for COVID-19?</p>	<p>SINGLE-SELECT <span style="float: right;">J1</span></p> <p>01 <input type="radio"/> YES, RAPID TEST</p> <p>02 <input type="radio"/> YES, SWAB TEST</p> <p>03 <input type="radio"/> YES, RAPID AND SWAB TEST</p> <p>04 <input type="radio"/> YES, DON'T KNOW WHICH TEST</p> <p>05 <input type="radio"/> NO</p>
<p>J2 - If an approved vaccine to prevent COVID-19 was to become available at no cost, would you agree to be vaccinated?</p>	<p>SINGLE-SELECT <span style="float: right;">J2</span></p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>03 <input type="radio"/> Not sure</p>
<p>J3 - What is your main concern for not wanting to be vaccinated / not being sure if you want to be vaccinated?</p> <p>E J2.InList(2,3)</p>	<p>SINGLE-SELECT <span style="float: right;">J3</span></p> <p>01 <input type="radio"/> I DON'T THINK IT WILL WORK</p> <p>02 <input type="radio"/> I AM WORRIED ABOUT SIDE EFFECTS</p> <p>03 <input type="radio"/> I ALREADY HAD COVID-19</p> <p>04 <input type="radio"/> I AM NOT ENOUGH AT RISK OF CONTRACTING COVID-19</p> <p>05 <input type="radio"/> IN GENERAL, I DON'T TRUST VACCINES</p> <p>06 <input type="radio"/> IT IS AGAINST MY RELIGION</p> <p>07 <input type="radio"/> I AM WORRIED TO GET INFECTED WITH COVID-19 AT THE HEALTH FACILITY</p> <p>08 <input type="radio"/> HEALTH FACILITY TOO FAR OR TOO HARD TO GET TO</p> <p>09 <input type="radio"/> IT WILL TAKE TOO LONG TO GET VACCINATED/ I DON'T HAVE TIME TO GET VACCINATED</p> <p>10 <input type="radio"/> OTHER (SPECIFY)</p>
<p>J3_OTHER - Specify</p> <p>E J3 == 10</p>	<p>TEXT <span style="float: right;">J3_OTHER</span></p> <p>.....</p>
<p>J4 - Would you be more likely to receive the COVID-19 vaccine if any of the following individual/authorities receive or recommend the vaccine?</p> <p>I Multi Select</p> <p>E J2.InList(2,3)</p>	<p>MULTI-SELECT <span style="float: right;">J4</span></p> <p>01 <input type="checkbox"/> FAMILY AND FRIENDS</p> <p>02 <input type="checkbox"/> RELIGIOUS LEADERS</p> <p>03 <input type="checkbox"/> DOCTORS/NURSES/PHARMACISTS/HEALTH WORKERS</p> <p>04 <input type="checkbox"/> COMMUNITY LEADERS</p> <p>05 <input type="checkbox"/> EQUIVALENT OF A TRADITIONAL HEALER</p> <p>06 <input type="checkbox"/> SCIENTISTS AND EPIDEMIOLOGISTS</p> <p>07 <input type="checkbox"/> CELEBRITIES AND SOCIAL MEDIA INFLUENCER</p> <p>08 <input type="checkbox"/> OTHER (SPECIFY)</p>
<p>J4_OTHER - Specify</p> <p>E J4.Contains(8)</p>	<p>TEXT <span style="float: right;">J4_OTHER</span></p> <p>.....</p>

<p>J5 - I would like to call you again in one month as a follow up of this study about the pandemic and hear how your family is doing. If you agree, could I call you to this number or, could you provide me with another phone number and name where I could reach you?</p>	<p>SINGLE-SELECT <span style="float: right;">J5</span>  01 <input type="radio"/> Yes  02 <input type="radio"/> No</p>
<p>J5_0 - New contact number</p> <p>E J5==1  V1 self.InRange(70000000,80000000)    self == -99  M1 Please enter a valid PNG number - 8 digits long and beginning with '7'</p>	<p>NUMERIC: INTEGER <span style="float: right;">J5_0</span></p> <p>-----</p> <p>SPECIAL VALUES  -99 This number</p>
<p>J5_1 - Name</p> <p>E J5==1</p>	<p>TEXT <span style="float: right;">J5_1</span></p> <p>-----</p>
<p>J6 - If you do not want me to call you back, we will delete your information after three months, otherwise we will keep your Information for one year or until the COVID-19 crisis has passed. Do you agree that we may call you back in one month?</p>	<p>SINGLE-SELECT <span style="float: right;">J6</span>  01 <input type="radio"/> Yes  02 <input type="radio"/> No</p>

# END PAGE

E IsAnswered(A1)

---

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STATIC TEXT

E !IsSectionAnswered(SecA) && (\$consent)

*Missing answers in Section A - Please Review*

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STATIC TEXT

E !IsSectionAnswered(SecB) && (\$consent)

*Missing answers in Section B - Please Review*

---

STATIC TEXT

E !IsSectionAnswered(SecC) && (\$consent)

*Missing answers in Section C - Please Review*

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STATIC TEXT

E !IsSectionAnswered(SecD) && (\$consent)

*Missing answers in Section D - Please Review*

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STATIC TEXT

E !IsSectionAnswered(SecE) && (\$consent)

*Missing answers in Section E - Please Review*

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STATIC TEXT

E !IsSectionAnswered(SecF) && (\$consent)

*Missing answers in Section F - Please Review*

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STATIC TEXT

E !IsSectionAnswered(SecG) && (\$consent)

*Missing answers in Section G - Please Review*

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STATIC TEXT

E !IsSectionAnswered(SecH) && (\$consent)

*Missing answers in Section H - Please Review*

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STATIC TEXT

E !IsSectionAnswered(SecI) && (\$consent)

*Missing answers in Section I - Please Review*

---

STATIC TEXT

E !IsSectionAnswered(SecJ) && (\$consent)

*Missing answers in Section J - Please Review*

Interview Result	SINGLE-SELECT	RESULT
V1 (self == 1 && (s1q4==1    s1q9>=18) && IsSectionAnswered(SecA) && IsSectionAnswered(SecB) && IsSectionAnswered(SecC) && IsSectionAnswered(SecD) && IsSectionAnswered(SecE) && IsSectionAnswered(SecF) <a href="#">And 122 other symbols [1]</a>	01 <input type="radio"/> Complete	
M1 Should not select "Complete" unless all sections have been completed	02 <input type="radio"/> Partial	
V2 (self == 2 && \$consent)    self!=2	03 <input type="radio"/> Language Barrier	
M2 Should not use "Partial complete" unless interview has started (respondent has consented at A2 or A3)	04 <input type="radio"/> Refusal	
V3 (self == 3 && s1q3==3)    self!=3	05 <input type="radio"/> Could not reach respondent	
M3 Should not select "Language Barrier" unless language barrier selected at s1q3	06 <input type="radio"/> Other Specify	
V4 (self == 4 && s1q3 == 2 & s1q11 == 2)    self!=4		
M4 Should not use "Refusal" unless refusal recorded at s1q3 and s1q11		

<p>RESULT_OTHER - Specify</p> <p>E RESULT == 96</p>	<p>TEXT <span style="float: right;">RESULT_OTHER</span></p> <p>.....</p>
<p>K5 - DID YOU TRY CALLING ALL THE NUMBERS PROVIDED FOR THIS HOUSEHOLD, INCLUDING THE REFERENCE PERSON'S NUMBER?</p> <p>E RESULT == 5</p>	<p>SINGLE-SELECT <span style="float: right;">K5</span></p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>K6 - WHY DIDN'T YOU TRY CALLING ALL THE NUMBERS PROVIDED FOR THIS HOUSEHOLD, INCLUDING THE REFERENCE PERSON'S NUMBER?</p> <p>E K5 == 2</p>	<p>TEXT <span style="float: right;">K6</span></p> <p>.....</p>
<p>Interviewer Comments</p>	<p>TEXT <span style="float: right;">COMMENTS</span></p> <p>.....</p>
<p>Press below when the interview is completed</p>	<p>DATE: CURRENT TIME <span style="float: right;">ENDTIME</span></p> <p>.....</p>

## APPENDIX A — VALIDATION CONDITIONS AND MESSAGES

### [1] RESULT: Interview Result

Validation Condition:

```
(self == 1
&& (s1q4==1 || s1q9>=18)
&& IsSectionAnswered(SecA)
&& IsSectionAnswered(SecB)
&& IsSectionAnswered(SecC)
&& IsSectionAnswered(SecD)
&& IsSectionAnswered(SecE)
&& IsSectionAnswered(SecF)
&& IsSectionAnswered(SecG)
&& IsSectionAnswered(SecH)
&& IsSectionAnswered(SecI)
&& IsSectionAnswered(SecJ)
||
self > 1
```

Validation Message: Should not select "Complete" unless all sections have been completed

Validation Condition:

```
(self == 2 && $consent) || self!=2
```

Validation Message: Should not use "Partial complete" unless interview has started (respondent has consented at A2 or A3)

Validation Condition:

```
(self == 3 && s1q3==3) || self!=3
```

Validation Message: Should not select "Language Barrier" unless language barrier selected at s1q3

Validation Condition:

```
(self == 4 && s1q3 == 2 & s1q11 == 2) || self!=4
```

Validation Message: Should not use "Refusal" unless refusal recorded at s1q3 and s1q11

## APPENDIX B — CATEGORIES

[1] **B4: B4 - In what PROVINCE are you currently living?**

Categories: 1: Chimbu Province, 2: Eastern Highlands Province, 3: Enga Province, 4: Southern Highlands Province, 5: Western Highlands Province, 6: Hela Province, 7: Jiwaka Province, 8: East New Britain Province, 9: Manus Province, 10: New Ireland Province, 11: West New Britain Province, 12: Autonomous Region of Bougainville (Bougainville Region), 13: East Sepik Province, 14: Madang Province, 15: Morobe Province, 16: Sandaun (West Sepik) Province, 17: Central Province, 18: Gulf Province, 19: Milne Bay Province, 20: Oro (Northern) Province, 21: Western (Fly) Province, 22: National Capital District

[2] **B5: B5 - In what DISTRICT are you currently living?**

Categories: 1: Chimbu Province, 2: Chuave District, 3: Gumine District, 4: Karimui-Nomane District, 5: Kerowagi District, 6: Kundiawa-Gembogl District, 7: Sina Sina-Yonggomugl District (Sinasin-Yonggomugl District), 8: Daulo District, 9: Goroka District, 10: Henganofi District, 11: Kainantu District, 12: Lufa District, 13: Obura-Wonenara District, 14: Okapa District, 15: Unggai-Benna District, 16: Kandep District, 17: Kompiani District, 18: Lagaip-Porgera District, 19: Wapenamanda District, 20: Wabag District, 21: Ialibu-Pangia District, 22: Imbonggu District, 23: Kagua-Erave District, 24: Mendi-Munihu District, 25: Nipa-Kutubu District, 26: Dei District, 27: Mount Hagen District, 28: Mul-Baiyer District, 29: Tambul-Nebilyer District, 30: Komo-Magarima District, 31: Koroba-Kopiago District, 32: Tari-Pori District, 33: Anglimp-South Waghi District, 34: Jimi District, 35: North Waghi District, 36: Gazelle District, 37: Kokopo District, 38: Pomio District, 39: Rabaul District, 40: Manus District, 41: Kavieng District, 42: Namatanai District, 43: Kandrian-Gloucester District, 44: Talasea District, 45: Central Bougainville District, 46: North Bougainville District, 47: South Bougainville District, 48: Ambunti-Dreikikier District, 49: Angoram District, 50: Maprik District, 51: Wewak District, 52: Wosera-Gawi District, 53: Yangoru-Saussia District, 54: Bogia District, 55: Madang District, 56: Middle Ramu District, 57: Rai Coast District, 58: Sumkar District, 59: Usino Bundi District, 60: Finschhafen District, 61: Huon District, 62: Kabwum District, 63: Lae District, 64: Markham District, 65: Menyamy District, 66: Nawae District, 67: Tawae-Siassi District, 68: Bulolo District, 69: Aitape-Lumi District, 70: Nuku District, 71: Telefomin District, 72: Vani mo-Green River District, 73: Abau District, 74: Goilala District, 75: Kairuku-Hiri District, 76: Rigo District, 77: Kerema District, 78: Kikori District, 79: Alotau District, 80: Esa'ala District, 81: Kiriwini-Goodenough District, 82: Samarai-Murua District, 83: Ijivitari District, 84: Sohe District, 85: North Fly District, 86: Middle Fly District, 87: South Fly District, 88: National Capital District

[3] **B9: B9 - What is the main activity of the business or organization in which you are currently working?**

Categories: 1: AGRICULTURE, 2: MINING, 3: LOGGING, 4: MANUFACTURING, 5: PROFESSIONAL/ SCIENTIFIC/TECHNICAL ACTIVITIES, 6: ELECTRICITY/WATER/GAS/WASTE, 7: CONSTRUCTION, 8: TRANSPORTATION, 9: BUYING AND SELLING, 10: FINANCIAL/INSURANCE/ REAL EST. SERVICES, 11: PERSONAL SERVICES, 12: EDUCATION, 13: HEALTH, 14: PUBLIC ADMINISTRATION, 15: TOURISM, 16: HANDICRAFTS / CULTURAL INDUSTRIES, 17: OTHER, SPECIFY

## APPENDIX C — VARIABLES

[1] [RESPTYPE\\_STRING:](#)

RESPTYPE==1? "Returning Household / Same Respondent" : RESPTYPE==2? "Returning Household / New Respondent" : RESPTYPE==3?  
"Returning Phone number / New Household / New Respondent" : RESPTYPE==4? "Replacement Household (New Number)" : "Respondent type  
not yet set"

[2] [Multiplier\\_3:](#)

Random\_3.InRange(0,16.66)? 0.14 : Random\_3.InRange(16.66,33.33)? 0.29 : Random\_3.InRange(33.33,50)? 0.43 : Random\_3.InRange(50,66.66)?  
0.57 : Random\_3.InRange(66.66,83.33)? 0.71 : Random\_3.InRange(83.33,100)? 1 : 1

[3] [Tier\\_Description:](#)

Tier == 1? "SunKing Pro 200 i ken laitim haus bilong yu wantaim wanpela laitbalb we strong bilong lait bilong em winim 20-pela kendo li lait, na i  
ken sasim mobail fon bilong yu na dispela masin i gat 2-pela yia 'warranty', na i ken givim yu lait long mak bilong 72-pela aua long wanpela taim  
yu sasim." : Tier == 2? "SunKing Home 400 with 32" TV em i wanpela solar masin we i ken pawarim wanpela TV bilong amamasim famili bilong  
yu, na laitim haus bilong yu wantaim ol brait balb na sasim mobail fon bilong yu." : ""

# LEGEND

Legend and structure of information in this file

Name of section	Enabling condition for this section	Type of question, scope	Variable name
SECTION 5: OTHER INCOME SOURCES	E s4_other_sources_which.Contains(98)	Answer options	
Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur?	<p>I This refers to family relations E s3_time_other &gt; 0 V1 s4_re1_leaders_which.Contains(98) M1 Can not be itself V2 (s3_time_other_breeding_advice &lt;= (50 - s3_time_art_insem_advice))    s3_time_other_breeding_advice == 0 M2 This person is not in the list F optioncode != s5_ignored_option_code</p>	<p>MULTI-SELECT SCOPE: PREFILLED</p> <p>01 <input type="checkbox"/> Community animal health workers 02 <input type="checkbox"/> Private 03 <input type="checkbox"/> Government 04 <input type="checkbox"/> Livestock keepers association 05 <input type="checkbox"/> NGO</p> <p>And 5 other [13]</p>	s4_re1_leaders_other
Additional information:		Link to full set in appendix	
<p>"I" – Question instruction "E" – Enabling condition "V1" – Validation condition №1 "M1" – Message for validation №1 "F" – Filter in Categorical questions</p>			

## Breadcrumbs

Type or roster	Roster Title
CHAPTER 3 IDENTIFICATION / Roster:	LEADER RELATION DETAILS generated by fixed list:
01	Ward Livestock Officer
02	Village Livestock Officer
99	Other (specify)
List items	