Survey Solutions

WB - MTF - Facility (FINAL)

A. INTERVIEW IDENTIFICATION
No sub-sections, No rosters, Questions: 8.

INFORMED CONSENT
No sub-sections, No rosters, Questions: 2, Static texts: 1.

B. FACILITY
Sub-sections: 7, Rosters: 2, Questions: 127.

C. CONTACT DETAILS
No sub-sections, No rosters, Questions: 11.

APPENDIX A — OPTIONS

APPENDIX B — OPTION FILTERS

LEGEND

A. INTERVIEW IDENTIFICATION

SURVEY_ID	TEXT SCOPE: IDENTIFYING
	SURVEYID
	....

A1 - Province	SINGLE-SELECT
	A1
	01 ◯ Banteay Meanchey
	02 ◯ Battambang
	03 ◯ Kampong Cham
	04 ◯ Kampong Chhnang
	05 ◯ Kampong Speu
	06 ◯ Kampong Thom
	07 ◯ Kampot
	08 ◯ Kandal
	09 ◯ Kep
	10 ◯ Koh Kong
	11 ◯ Kracheh
	12 ◯ Mondul Kiri
	13 ◯ Otdar Meanchey
	14 ◯ Pailin
	15 ◯ Phnom Penh
	16 ◯ Preah Sihanouk
	And 9 other [1]

A3 - District	SINGLE-SELECT: CASCADING
	A3
	001 ◯ Malai
	002 ◯ Mongkol Borei
	003 ◯ Ou Chrov
	004 ◯ Paoy Paet
	005 ◯ Phnum Srok
	006 ◯ Serei Saophoan
	007 ◯ Svay Chek
	008 ◯ Thma Puok
	009 ◯ Banan
	010 ◯ Battambang
	011 ◯ Bavel
	012 ◯ Koas Krala
	013 ◯ Moung Ruessei
	014 ◯ Phnum Proek
	015 ◯ Rotonak Mondol
	016 ◯ Sampov Lun
	And 125 other [2]

A5 - Commune	SINGLE-SELECT: CASCADING
	A5
	001 ◯ Ta Kong
	002 ◯ Kouk Ballangk
	003 ◯ Ruessei Kraok
	004 ◯ Changha
	005 ◯ Paoy Paet
	006 ◯ Phsar Kandal
	007 ◯ Ponley
	008 ◯ Srah Chik
	009 ◯ Ou Ambel
	010 ◯ Preah Ponlea
	011 ◯ Phkoam
	012 ◯ Phum Thmei
	013 ◯ Ta Kream
	014 ◯ Chamkar Samraong
	015 ◯ Kdol Doun Teav

	016 ◯ Preaek Preah Sdach
	And 204 other [3]
A6 - Village	SINGLE-SELECT: CASCADING A6
	001 ◯ Ta Kong
	002 ◯ Char Thmei
	003 ◯ Chumteav
	004 ◯ Ta Chrueng
	005 ◯ Baliley 2
	006 ◯ Chan Kiri
	007 ◯ Kbal Spean 1
	008 ◯ Kbal Spean 2
	009 ◯ Ou Chrov
	010 ◯ Poay Pet
	011 ◯ Phsar Kandal
	012 ◯ Prachea Thorm Kaeut
	013 ◯ Ponley
	014 ◯ Srah Chik
	015 ◯ Roung Masin
	016 ◯ Preah Ponlea
	And 254 other [4]
Date of 1st visit.	DATE VISIT1
Date of 2nd visit.	DATE VISIT2
Date of 3rd visit.	DATE VISIT3

INFORMED CONSENT

INTSTART - Press here when you start the interview	DATE: CURRENT TIME INTSTART

STATIC TEXT

Hello! My name is .... working with Angkor Research and Consulting. We are currently conducting a survey for the World Bank about access to energy in Cambodia. I will ask you some questions about your facility, and the sources of energy it uses. Your answers will only be used for research purposes and will be kept confidential.
You can pause or skip any questions at any time during the interview, or ask to clarify any question you do not understand. The interview will take around 45 minutes. It is not a test, and thus there is no right or wrong answer. However all your answers are important and I want you to answer correctly and tell me the truth. This will allow my team to give good information to the World Bank and help improving your village's access to energy in the future.
If you have question about this survey, you can contact to Mr. Khim Sarun via phone number: 023 222 501.
Do you have any questions for me?
questions for me?

Can I start asking my questions now?	SINGLE-SELECT CONSENT
	00 ◯ No
	01 ◯ Yes

B. FACILITY

B3 - Name of respondent	TEXT B3

I First name and last name.	....

B4 - Sex	SINGLE-SELECT B4 01 ○ Male 02 ○ Female

B5a - What is the highest grade of education you have completed?	SINGLE-SELECT B5a 000 ○ Pre-school or no education 001 ○ Grade 1 002 ○ Grade 2 003 ○ Grade 3 004 ○ Grade 4 005 ○ Grade 5 006 ○ Grade 6 007 ○ Grade 7 008 ○ Grade 8 009 ○ Grade 9 010 ○ Grade 10 011 ○ Grade 11 012 ○ Grade 12 013 ○ Some university 014 ○ Bachelors or Associates 015 ○ Masters or Doctorates And 1 other [5]

B5a_other - Other (Specify). E B5a==555	TEXT B5a_other ....

B2c - DO NOT READ: What function does this facility have?	SINGLE-SELECT B2c 01 ○ Educational 02 ○ Worship 03 ○ Government 04 ○ Health

B. FACILITY
EDUCATION FACILITY

E B2c==1

B6a - What position do you currently hold in this facility?	SINGLE-SELECT B6a 001 ○ School Director 002 ○ School teacher 003 ○ School Assistant Director 555 ○ Other, specify

B6_OTHER - Specify E B6a==555	TEXT B6_OTHER ....

B7a - For how many years have you held this position at this facility? I Years 0 = Less than one year V1 self>=0 M1 Must be higher or equal to 0.	NUMERIC: INTEGER B7a -- -- -- -- -- -- -- -- -- -- -- -- -- --

B8a - What is the contact phone number for the facility? I 99 = No phone	TEXT B8a ....

B9a - What is the name of this facility?	TEXT B9a

B10a - What is the type or level of this facility?	SINGLE-SELECT B10a 001 ◯ Public Primary school 002 ◯ Private Primary school 003 ◯ Public Secondary school 004 ◯ Private Secondary school 555 ◯ Other (Specify)
B10a_other - Other (Specify). E B10a==555	TEXT B10a other
B11a - How many people are employed at this facility? I Number of part-time and full-time employees V1 self>=0 M1 Must be higher or equal to 0.	NUMERIC: INTEGER B11a
B11a_teachers - How many teachers are employed at this facility? I Number of teachers. V1 self>=0 && self<=B11a M1 Must be lower or equal to %B11a% teachers.	NUMERIC: INTEGER B11a teachers
B12a - How many students attend this facility per day on average when the facility is open? I Number of students V1 self>0 M1 Must be higher than 0.	NUMERIC: INTEGER B12a
B13a - Does this facility operate for 24 hours per day?	SINGLE-SELECT B13a 00 ◯ No 01 ◯ Yes
B14a - What time does this facility usually open? I Opening time HH:MMam/pm E B13a==0	TEXT B14a
B15a - What time does this facility usually close? I Closing time HH:MMam/pm E B13a==0	TEXT B15a
B16a - Does this facility have electricity from any source, including grid connection, generator, solar power, or rechargeable batteries?	SINGLE-SELECT B16a 00 ◯ No 01 ◯ Yes
B17a - What is the primary lighting source for the facility? E B16a==0	SINGLE-SELECT B17a 001 ◯ No source of lighting 002 ◯ Grid-based electricity 003 ◯ Mini-grid based electricity 004 ◯ Off-grid based electricity (generator, solar, etc.) 005 ◯ Kerosene lamps 006 ◯ Candles 007 ◯ Dry cell battery 555 ◯ Other, specify

B17a_OTHER - Specify	TEXT	B17a OTHER
E `B17a==555`		

B. FACILITY
WORSHIP FACILITY

E `B2c==2`

B6b - What position do you currently hold in this facility?	SINGLE-SELECT	B6b
	001 ⭕ Religious leader 555 ⭕ Other, specify	

B6b_OTHER - Specify	TEXT	B6b OTHER
E `B6b==555`		

B7b - For how many years have you held this position at this facility?	NUMERIC: INTEGER	B7b
I Years If less than one year, code 0. V1 `self>=0` M1 Must be higher or equal to 0.		

B8b - What is the contact phone number for the facility?	TEXT	B8b
I 99 = No phone		

B9b - What is the name of this facility?	TEXT	B9b

B10b - What type of facility is this?	SINGLE-SELECT	B10b
	001 ⭕ Pagoda 002 ⭕ Mosque 003 ⭕ Church 555 ⭕ Other	

B10b_other - Other (Specify).	TEXT	B10b_other
E `B10b==555`		

B11b - How many people in total are maintaining this facility and ensuring the religious service?	NUMERIC: INTEGER	B11b
I Total number of monks, clerks, maintenance staff, etc. V1 `self>=0` M1 Must be higher or equal to 0.		

B12b - What is the average daily attendance at this facility?	NUMERIC: INTEGER	B12b
I Average daily number of visitors V1 `self>0` M1 Must be higher than 0.		

B13b - Does this facility operate for 24 hours per day?	SINGLE-SELECT	B13b
	00 ⭕ No 01 ⭕ Yes	

B14b - What time does this facility usually open?	TEXT	B14b
I Opening time HH:MMam/pm		

E `B13b==0`	

B15b - What time does this facility usually close? I Closing time HH:MMam/pm E `B13b==0`	TEXT B15b ┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄

B16b - Does this facility have electricity from any source, including grid connection, generator, solar power, or rechargeable batteries?	SINGLE-SELECT B16b 00 ◯ No 01 ◯ Yes

B17b - What is the primary lighting source for the facility? E `B16b==0`	SINGLE-SELECT B17b 001 ◯ No source of lighting 002 ◯ Grid-based electricity 003 ◯ Mini-grid based electricity 004 ◯ Off-grid based electricity (generator, solar, etc.) 005 ◯ Kerosene lamps 006 ◯ Candles 007 ◯ Dry cell battery 555 ◯ Other, specify

B17b_OTHER - Specify E `B17b==555`	TEXT B17b OTHER ┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄

B. FACILITY
GOVERNMENT FACILITY

E `B2c==3`

B6c - What position do you currently hold in this facility?	SINGLE-SELECT B6c 001 ◯ Commune chief 002 ◯ Commune clerk 003 ◯ Deputy Commune chief 555 ◯ Other, specify

B6c_OTHER - Specify E `B6c==555`	TEXT B6c OTHER ┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄

B7c - For how many years have you held this position at this facility? I Years If less than one year, code 0. V1 `self>=0` M1 Must be higher or equal to 0.	NUMERIC: INTEGER B7c ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─

B8c - What is the contact phone number for the facility? I 99 = No phone	TEXT B8c ┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄

B9c - What is the name of this facility?	TEXT B9c ┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄

B10c - What is the type or level of this facility?	SINGLE-SELECT B10c 001 ◯ Commune Council office 555 ◯ Other (Specify)

B10c_OTHER - Specify	TEXT B10c_OTHER

E B10c==555	·····························■

B11c - How many people are working in this facility?

I   Number of staff
V1 `self>=0`
M1 Must be higher or equal to 0.

NUMERIC: INTEGER   B11c

`- - - - - - - - - - - - - - - - - - - - - - - - -`

B12c - On average how many visitors per day does your facility welcome?

I   Number of visitors.
V1 `self>0`
M1 Must be higher than 0.

NUMERIC: INTEGER   B12c

`- - - - - - - - - - - - - - - - - - - - - - - - -`

B13c - Does this facility operate for 24 hours per day?

SINGLE-SELECT   B13c
00 ○ No
01 ○ Yes

B14c - What time does this facility usually open?

I   Opening time HH:MMam/pm
E   B13c==0

TEXT   B14c

·····························

B15c - What time does this facility usually close?

I   Closing time HH:MMam/pm
E   B13c==0

TEXT   B15c

·····························

B16c - Does this facility have electricity from any source, including grid connection, generator, solar power, or rechargeable batteries?

SINGLE-SELECT   B16c
00 ○ No
01 ○ Yes

B17c - What is the primary lighting source for the facility?

E   B16c==2

SINGLE-SELECT   B17c
001 ○ No source of lighting
002 ○ Grid-based electricity
003 ○ Mini-grid based electricity
004 ○ Off-grid based electricity (generator, solar, etc.)
005 ○ Kerosene lamps
006 ○ Candles
007 ○ Dry cell battery
555 ○ Other, specify

B17c_OTHER - Specify

E   B17c==555

TEXT   B17c_OTHER

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B. FACILITY
HEALTH FACILITY

E   B2c==4

B6d - What position do you currently hold in this facility?

SINGLE-SELECT   B6d
001 ○ Director
002 ○ Assistant Director
003 ○ Doctor
004 ○ Nurse
555 ○ Other, specify

B6d_OTHER - Specify	TEXT	B6d_OTHER

E `B6d==555`

B7d - For how many years have you held this position at this facility?	NUMERIC: INTEGER	B7d

I Years If less than one year, code 0.
V1 `self>=0`
M1 Must be higher or equal to 0.

B8d - What is the contact phone number for the facility?	TEXT	B8d

I 99 = No phone

B9d - What is the name of this facility?	TEXT	B9d

B10d - What type of facility is this?

SINGLE-SELECT — B10d

- 001 ◯ Health Center
- 002 ◯ Referral Hospital
- 003 ◯ Private Clinic / Hospital
- 555 ◯ Other (Specify)

B10d_OTHER - Specify	TEXT	B10d_OTHER

E `B10d==555`

B11d - How many people are working in this facility?	NUMERIC: INTEGER	B11d

I Number of staff
V1 `self>0`
M1 Must be higher than 0.

B12d - On average how many patients does this facility welcome every day?	NUMERIC: INTEGER	B12d

I Number of patients
V1 `self>=0`
M1 Must be higher or equal to 0.

B13d - Does this facility operate for 24 hours per day?

SINGLE-SELECT — B13d

- 00 ◯ No
- 01 ◯ Yes

B14d - What time does this facility usually open?

TEXT — B14d

I Opening time HH:MMam/pm
E `B13d==0`

B15d - What time does this facility usually close?

TEXT — B15d

I Closing time HH:MMam/pm
E `B13d==0`

B16d - Does this facility have electricity from any source, including grid connection, generator, solar power, or rechargeable batteries?

SINGLE-SELECT — B16d

- 00 ◯ No
- 01 ◯ Yes

B17d - What is the primary lighting source for the facility?

SINGLE-SELECT — B17d

- 001 ◯ No source of lighting

E `B16d==0`	002 ◯ Grid-based electricity
	003 ◯ Mini-grid based electricity
	004 ◯ Off-grid based electricity (generator, solar, etc.)
	005 ◯ Kerosene lamps
	006 ◯ Candles
	007 ◯ Dry cell battery
	555 ◯ Other, specify

B17d_OTHER - Specify

E `B17d==555`

TEXT `B17d_OTHER`

....

B18 - What is the primary source of electricity in the facility?

E `$ELEC`

SINGLE-SELECT `B18`

001 ◯ National grid
002 ◯ Local mini-grid
003 ◯ Generator
004 ◯ Solar
007 ◯ Rechargeable battery system
555 ◯ Other, specify

B18_OTHER - Specify

E `B18==555`

TEXT `B18_OTHER`

....

B19 - On average how many hours of electricity per day can this source provide?

I Hours
E `$ELEC`
V1 `self>=0 && self<=24`
M1 Cannot be higher than 24 hours.

NUMERIC: INTEGER `B19`

- -

B20 - In the last 12 months, has the facility experienced situations in which appliances could not be used or were damaged because of low voltage or voltage fluctuations with electricity from %B18%?

E `$ELEC`

SINGLE-SELECT `B20`

00 ◯ No
01 ◯ Yes

B21a - Did these situations cause any disruption in your facility service delivery?

I Service delivery: e.g. treatment in health facility, religious office in worship facility, education in schools and commune office services, etc.
E `B20==1`

SINGLE-SELECT `B21a`

00 ◯ No
01 ◯ Yes

B21b - How severe was that level of disruption for your facility service delivery?

I Read aloud options
E `B21a==1`

SINGLE-SELECT `B21b`

001 ◯ Little
002 ◯ Moderate
003 ◯ Severely
888 ◯ Don't know

B. FACILITY
ELECTRICITY FROM THE GRID

E `B18.InList(1,2)`

B23 - How many unscheduled interruptions of electricity does your facility experience in a typical week?

I Number of interruptions per week 0 = No interruption of electricity
V1 `self>=0`
M1 Must be higher or equal to 0.

NUMERIC: INTEGER `B23`

- -

B24 - What is the average duration of each individual unscheduled interruption? I Minutes E `B23>=1`	NUMERIC: INTEGER B24 `-------------------------------`
B25a - Do these power outages cause any disruption in your facility service delivery? I Service delivery: e.g. treatment in health facility, religious office in worship facility, education in schools and commune office services, etc. E `B23>0`	SINGLE-SELECT B25a 00 ◯ No 01 ◯ Yes
B25b - How severe was that level of disruption for your facility service delivery? I Read aloud options. E `B25a==1`	SINGLE-SELECT B25b 001 ◯ Little 002 ◯ Moderately 003 ◯ Severely 888 ◯ Don't know
B26a - In the last 12 months, has your facility paid for its electricity from %B18%? E `$ELEC`	SINGLE-SELECT B26a 00 ◯ No 01 ◯ Yes
B26b - In the last 12 months, who regularly pays for the electricity from %B18% in the facility? E `B26a==0`	SINGLE-SELECT B26b 002 ◯ Government (national) 003 ◯ Government (sub-national: district, commune, village) 004 ◯ No payment needed 555 ◯ Other, specify
B26_OTHER - Specify E `B26b==555`	TEXT B26 OTHER `.........................................`
B27 - Who receives the payment? E `B26a==1 || (IsAnswered(B26b) && B26b!=4)`	SINGLE-SELECT B27 001 ◯ Local representative / official of energy company 003 ◯ District/Commune/Village 004 ◯ Relative 005 ◯ Neighbor 006 ◯ Landlord 007 ◯ Shopkeeper for fuel purchase to power generator 555 ◯ Other, specify
B27_OTHER - Specify E `B27==555`	TEXT B27 OTHER `.........................................`
B28a - Can I see your facility electricity bill or invoice? E `B26a==1`	SINGLE-SELECT B28a 01 ◯ Respondent has energy bill and shows it 02 ◯ Respondent has energy bill but refuses to show it or could not locate it 03 ◯ Respondent does not have an energy bill
B28b - In the last 12 months, on average how much per month did the facility spend on electricity from %B18%? I In Riels. Including fuel. Check from the bill if available, ask the respondent otherwise. 888 = Don't know E `B26a==1` V1 `self==0 || self>100`	NUMERIC: INTEGER B28b `-------------------------------`

| M1 | Please enter a valid monetary value, higher or equal to 0. | |

B29 - What is the current electricity rate paid by the facility?	NUMERIC: INTEGER	B29
I In riels. Check from the bill if available, ask the respondent otherwise. 888 = Don't know	-------------------------------------
E `B26a==1`	
V1 `self==0 || self>=100`	
M1 Please enter a valid monetary value, higher or equal to 0.	

B29_unit - DO NOT READ: What is the electricity price calculation unit?	SINGLE-SELECT	B29_unit
	001 ◯ kWh	
I Check from the bill if available, ask the respondent otherwise.	002 ◯ Liter	
E `IsAnswered(B29) && B29!=888`	003 ◯ Battery recharge (per battery)	
	555 ◯ Other, specify	

B29_unit_other - Other (Specify).	TEXT	B29_unit_other
E `B29_unit==555`	....

B. FACILITY
SOLAR

E `B18==4`

B33 - How many solar lanterns does your facility have?	NUMERIC: INTEGER	B33
I Solar lanterns have only one light bulb.	-------------------------------------
V1 `self>=0`	
M1 Must be higher than 0.	

B32a - Does your facility have any other solar device of higher capacity, and which can power more than one light bulb?	SINGLE-SELECT	B32a
	00 ◯ No	
	01 ◯ Yes	

B32 - How many higher capacity solar devices does your facility have?	NUMERIC: INTEGER	B32
E `B32a==1`	-------------------------------------
V1 `self>0`	
M1 Must be higher than 0.	

B. FACILITY / SOLAR
Roster: SOLAR
generated by fixed list   SOLAR

  01   Most important solar device

  02   Second most important solar device

E `(@rowcode==1 && B32>=1) \|\| (@rowcode==2 && B32>=2)`

B33 - Can you power a fan or a TV with your %SOLAR%?	SINGLE-SELECT	B33a
	00 ◯ No	
	01 ◯ Yes	

B35 - When was the system installed or acquired?_month	SINGLE-SELECT	B35_month
	001 ◯ January	
	002 ◯ February	
	003 ◯ March	
	004 ◯ April	
	005 ◯ May	
	006 ◯ June	

	007 ⭕ July
	008 ⭕ August
	009 ⭕ September
	010 ⭕ October
	011 ⭕ November
	012 ⭕ December
	888 ⭕ Don't know

B35 - When was the system installed or acquired?_year

I 888 = Don't know
V1 `(self>=1950 && self<=2017) || self==888`
M1 Must be earlier than 2017.

NUMERIC: INTEGER   B35_year

`- - - - - - - - - - - - - - - - - - - - - - - - - - -`

B36 - Is the system still working?

SINGLE-SELECT   B36
00 ⭕ No
01 ⭕ Yes

B37 - When did it stop working?_month

I DD/MM/YYYY
E `B36==0`

SINGLE-SELECT   B37 month
001 ⭕ January
002 ⭕ February
003 ⭕ March
004 ⭕ April
005 ⭕ May
006 ⭕ June
007 ⭕ July
008 ⭕ August
009 ⭕ September
010 ⭕ October
011 ⭕ November
012 ⭕ December
888 ⭕ Don't know

B37 - When did it stop working?_year

E `B36==0`
V1 `(self>=B35_year && self<=2017) || self==888`
M1 Must be earlier than 2017 and after %B35_year%.

NUMERIC: INTEGER   B37_year

`- - - - - - - - - - - - - - - - - - - - - - - - - - -`

B38 - Is the system still working with the same capacity as when it was installed/acquired?

E `B36==1`

SINGLE-SELECT   B38
00 ⭕ No
01 ⭕ Yes

B39 - Did you purchase your %SOLAR% or was it provided for free?

SINGLE-SELECT   B39
01 ⭕ Purchase
02 ⭕ Free/part sponsored

B40 - Who gave you this device, or sponsored you to acquire this device?

E `B39==2`

SINGLE-SELECT   B40
001 ⭕ Local private organizations (NGO)
002 ⭕ Private Commercial Seller
003 ⭕ Local government
004 ⭕ Central government
005 ⭕ Politician
006 ⭕ Relative/Friend
555 ⭕ Other, specify

B40_OTHER - Specify

E `B40==555`

TEXT   B40 OTHER

`· · · · · · · · · · · · · · · · · · · · · · · · · · ·`

B41 - Have batteries been changed on your %SOLAR% ?

SINGLE-SELECT   B41
00 ⭕ No

E B33==1	01 ○ Yes

B42 - Who paid for the new batteries?

E B41==1

	SINGLE-SELECT	B42
	001 ○ Facility	
	002 ○ Local governemnt	
	003 ○ National governemnt	
	004 ○ NGO/Donors	
	555 ○ Other, specify	
	888 ○ Don't know	

B42_OTHER - Specify

E B42==555

TEXT   B42 OTHER

....

B43 - How much did the facility spend in purchasing your %SOLAR% in total?

I In riels. Don't know enter 888.
E B39==1
V1 self==0 || self>=100
M1 Please enter a valid monetary value, higher or equal to 0.

NUMERIC: INTEGER   B43

B44 - Who maintains the solar system?

I Answer for oldest still working system

	SINGLE-SELECT	B44
	001 ○ Facility staff	
	002 ○ Technician from the company that installed the system	
	003 ○ Local government	
	004 ○ NGO	
	006 ○ Nobody/system does not need maintenance	
	555 ○ Other, specify	

B44_other - Other (Specify).

E B44==555

TEXT   B44_other

....

B45 - Did the company/ organization that installed / provided the system provide training for maintenance?

I Answer for oldest still working system

	SINGLE-SELECT	B45
	00 ○ No	
	01 ○ Yes	

B46 - Whom would you call if the system is not working properly?

I Answer for oldest still working system

	SINGLE-SELECT	B46
	001 ○ Facility staff	
	002 ○ Technician from the company that installed the system	
	003 ○ Local government	
	004 ○ NGO	
	005 ○ Nobody	
	555 ○ Other, specify	

B46_OTHER - Specify

E B46==555

TEXT   B46_OTHER

....

B47 - How many times did you call them since the system was installed / acquired?

I Answer for oldest still working system Times 0 = Never called
E IsAnswered(B46) && B46!=5

NUMERIC: INTEGER   B47

B48 - Did they fix the problem?

I Answer for oldest still working system
E B47>0

	SINGLE-SELECT	B48
	00 ○ No	
	01 ○ Yes	

B49 - How is maintenance and spare parts paid for?

I Answer for oldest still working system

SINGLE-SELECT   B49

- 001 ◯ Regular budget of the facility
- 002 ◯ Special budget for maintenance
- 003 ◯ By local government
- 004 ◯ By national government
- 005 ◯ No funds available/no need
- 555 ◯ Other, specify

B49_OTHER - Specify

E B49==555

TEXT   B49 OTHER

....

B50 - Are the working hours of the facility limited by the energy supply available?

SINGLE-SELECT   B50

- 00 ◯ No
- 01 ◯ Yes

B51 - In the last 12 months, has anybody in the facility been injured because of electricity from %B18%?

E $ELEC

SINGLE-SELECT   B51

- 00 ◯ No
- 01 ◯ Yes

B52 - What is the most severe level of injury ever caused by %B18% in the last 12 months?

E B51==1

SINGLE-SELECT   B52

- 01 ◯ Death or permanent limb damage
- 02 ◯ Other major injury
- 03 ◯ Minor injury

B53 - Does the facility have a back-up source of electricity to use when the primary source fails?

E $ELEC

SINGLE-SELECT   B53

- 00 ◯ No
- 01 ◯ Yes

B54 - What is the back-up source of electricity in the facility?

E B53==1

SINGLE-SELECT   B54

- 001 ◯ National grid
- 002 ◯ Local mini-grid
- 003 ◯ Generator
- 004 ◯ Solar
- 007 ◯ Rechargeable battery system
- 008 ◯ Not applicable
- 555 ◯ Other, specify

B54_OTHER - Specify

E B54==555

TEXT   B54 OTHER

....

B55 - What is the most important constraint that the facility experiences with the primary source of electricity?

E $ELEC

SINGLE-SELECT   B55

- 001 ◯ Duration of supply (hours per day)
- 002 ◯ Low voltage problems or voltage fluctuations
- 003 ◯ Unpredictable interruptions
- 004 ◯ Unpredictable bills
- 005 ◯ Too expensive
- 006 ◯ Cannot power large appliances
- 007 ◯ No constraints
- 555 ◯ Other, specify

B55_OTHER - Specify

E B55==555

TEXT   B55 OTHER

....

B. FACILITY

USAGE OF APPLIANCES

E `$ELEC`

B63 - Does your facility use any of the following items?

I Multiple answers. Prompt.

F `(@optioncode>=11 && @optioncode<=20 && B2c==4) || (@optioncode<=10 && B2c>=1 && B2c<=4) || @optioncode==111`

V1 `self.ContainsOnly(111) || (self.ContainsAny(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20) && !self.Contains(111))`

M1 Cannot select any other code with "None".

	MULTI-SELECT	B63
001	☐	Electric Lighting
002	☐	Television, DVD, VHS, Karaoke
003	☐	Computer or Printer
004	☐	Internet
005	☐	Fans or Evaporative Air Cooling
006	☐	Air Conditioning
007	☐	Refrigeration or Drinking Water Coolers
008	☐	Mobile money agents/kiosks
009	☐	Water Pump
010	☐	Water Tank
011	☐	Sterilizer
012	☐	X-Ray Machines
013	☐	Microscope
014	☐	Centrifuge
015	☐	Refrigerator for vaccination
016	☐	Ultrasound

And 5 other [6]

B. FACILITY / USAGE OF APPLIANCES

Roster: APPLIANCES ROSTER

generated by multi-select question B63   APPLIROSTER

E `IsAnswered(B63) && !B63.Contains(111)`

B64 - How many %rostertitle% does the facility use?

E `@rowcode!=1 && @rowcode!=4 && @rowcode!=8`

V1 `self>=1`

M1 Must be higher or equal to 1.

NUMERIC: INTEGER   B64

`- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -`

B65 - Is %rostertitle% working on AC, DC, or is portable?

E `B2c==4 && @rowcode>=9 && @rowcode<=18`

	SINGLE-SELECT	B65
001	○	AC
002	○	DC
003	○	Portable
888	○	Don't know

B73 - Of the items listed and NOT USED, which of them would enhance the quality of the services in the facility most significantly?

F `(@optioncode==1 && !B63.Contains(1)) || (@optioncode==2 && !B63.Contains(2)) || (@optioncode==3 && !B63.Contains(3)) || (@optioncode==4 && !B63.Contains(4)) || (@optioncode==5 && !B63.Contains(5)) ||` And 738 other symbols [1]

	SINGLE-SELECT	B73
001	○	Electric Lighting
002	○	Television, DVD, VHS, Karaoke
003	○	Computer or Printer
004	○	Internet
005	○	Fans or Evaporative Air Cooling
006	○	Air Conditioning
007	○	Refrigeration or Drinking Water Coolers
008	○	Mobile money agents/kiosks
009	○	Water Pump
010	○	Water Tank
011	○	Sterilizer
012	○	X-Ray Machines
013	○	Microscope
014	○	Centrifuge
015	○	Refrigerator for vaccination
016	○	Ultrasound

And 5 other [7]

B74 - What is the main reason why the facility

SINGLE-SELECT   B74

does not use this item?	001 ◯ Appliance Is Not Available 002 ◯ Appliance Is Not Affordable 003 ◯ No energy to power the appliance 004 ◯ Energy to power the appliance would be too expensive 005 ◯ Due to power system capacity 555 ◯ Other
B74_other - Other (Specify). E B74==555	TEXT B74 other ....
B75 - Is electricity from %B18% sufficient to run all electrical appliances needed in the facility simultaneously?	SINGLE-SELECT B75 00 ◯ No 01 ◯ Yes

C. CONTACT DETAILS

Q5_1 - Could you please give me your cellphone number, so that we can contact you again if we need to follow up with you? E CONSENT==1	SINGLE-SELECT Q5_1 00 ◯ No 01 ◯ Yes
Q5_2 - Record Phone number I Number: E Q5_1 == 1	NUMERIC: INTEGER Q5 2 –
Q5_3 - Do you have a second phone number? E Q5_1==1	SINGLE-SELECT Q5 3 00 ◯ No 01 ◯ Yes
Q5_4 - Record Phone number I Number: E Q5_3 == 1	NUMERIC: INTEGER Q5_4 –
Q5_5 - Thank you very much for your time today. We might need to contact you again in the future to confirm your answers or find out some more details. Would it be ok if we contact you on one of these phone numbers? E Q5_1==1	SINGLE-SELECT Q5_5 00 ◯ No 01 ◯ Yes
INTSTOP - Press here when you complete the interview	DATE: CURRENT TIME INTSTOP ....
INTCOMMENTS - Enumerators comments	TEXT INTCOMMENTS ....
RESULT	SINGLE-SELECT RESULT 01 ◯ Completed 02 ◯ Incomplete-respondent termination 03 ◯ Incomplete-third party interruption 04 ◯ Respondent refusal 05 ◯ Parent/ administrator/ husband refusal

	06 ◯ Respondent absent at 2nd appointment
	07 ◯ Cannot interview respondent. e.g. mute/deaf/mental health etc

A9 - Press here to record GPS	GPS A9
	N
	- -
	W
	- -
	A
	- -

A9 - If tablet GPS is not working please enter x co-ordinate from yellow handheld device I ENTER LIKE XX.XXXXX	TEXT GPSLAT ....
A9 - If tablet GPS is not working please enter y co-ordinate from yellow handheld device I ENTER LIKE XXX.XXXXX	TEXT GPSLONG ....

APPENDIX A — OPTIONS

[1] A1: A1 - Province

Options: 1:Banteay Meanchey, 2:Battambang, 3:Kampong Cham, 4:Kampong Chhnang, 5:Kampong Speu, 6:Kampong Thom, 7:Kampot, 8:Kandal, 9:Kep, 10:Koh Kong, 11:Kracheh, 12:Mondul Kiri, 13:Otdar Meanchey, 14:Pailin, 15:Phnom Penh, 16:Preah Sihanouk, 17:Preah Vihear, 18:Prey Veng, 19:Pursat, 20:Ratanak Kiri, 21:Siem Reap, 22:Stung Treng, 23:Svay Rieng, 24:Takeo, 25:Tboung Khmum,

[2] A3: A3 - District

Options: 1:Malai, 2:Mongkol Borei, 3:Ou Chrov, 4:Paoy Paet, 5:Phnum Srok, 6:Serei Saophoan, 7:Svay Chek, 8:Thma Puok, 9:Banan, 10:Battambang, 11:Bavel, 12:Koas Krala, 13:Moung Ruessei, 14:Phnum Proek, 15:Rotonak Mondol, 16:Sampov Lun, 17:Sangkae, 18:Thma Koul, 19:Batheay, 20:Chamkar Leu, 21:Cheung Prey, 22:Kampong Cham, 23:Kampong Siem, 24:Kang Meas, 25:Prey Chhor, 26:Srei Santhor, 27:Stueng Trang, 28:Baribour, 29:Chol Kiri, 30:Kampong Chhnang, 31:Kampong Tralach, 32:Sameakki Mean Chey, 33:Basedth, 34:Chbar Mon, 35:Kong Pisei, 36:Odongk, 37:Phnum Sruoch, 38:Samraong Tong, 39:Baray, 40:Kampong Svay, 41:Prasat Ballangk, 42:Sandan, 43:Santuk, 44:Stoung, 45:Stueng Saen, 46:Angkor Chey, 47:Banteay Meas, 48:Chhuk, 49:Chum Kiri, 50:Kampong Trach, 51:Kampot, 52:Tuek Chhou, 53:Angk Snuol, 54:Kandal Stueng, 55:Kaoh Thum, 56:Khsach Kandal, 57:Kien Svay, 58:Lvea Aem, 59:Ponhea Lueu, 60:S'ang, 61:Ta Khmau, 62:Damnak Chang'aeur, 63:Kaeb, 64:Srae Ambel, 65:Chetr Borei, 66:Chhloung, 67:Kracheh, 68:Sambour, 69:Pech Chreada, 70:Banteay Ampil, 71:Samraong, 72:Pailin, 73:Sala Krau, 74:Chamkar Mon, 75:Chbar Ampov, 76:Chraoy Chongvar, 77:Dangkao, 78:Doun Penh, 79:Mean Chey, 80:Prampir Meakkakra, 81:Pur SenChey, 82:Russey Keo, 83:Saensokh, 84:Tuol Kouk, 85:Preah Sihanouk, 86:Prey Nob, 87:Choam Ksant, 88:Kuleaen, 89:Preah Vihear, 90:Rovieng, 91:Ba Phnum, 92:Kamchay Mear, 93:Kampong Trabaek, 94:Kanhchriech, 95:Me Sang, 96:Pea Reang, 97:Peam Chor, 98:Peam Ro, 99:Preah Sdach, 100:Pur Rieng, 101:Sithor Kandal, 102:Svay Antor, 103:Bakan, 104:Krakor, 105:Phnum Kravanh, 106:Pursat, 107:Lumphat, 108:Ou Ya Dav, 109:Veun Sai, 110:Banteay Srei, 111:Chi Kraeng, 112:Kralanh, 113:Prasat Bakong, 114:Puok, 115:Siem Reap, 116:Soutr Nikom, 117:Svay Leu, 118:Siem Bouk, 119:Siem Pang, 120:Stueng Traeng, 121:Kampong Rou, 122:Romeas Haek, 123:Rumduol, 124:Svay Chrum, 125:Svay Rieng, 126:Svay Teab, 127:Angkor Borei, 128:Bati, 129:Doun Kaev, 130:Kaoh Andaet, 131:Kiri Vong, 132:Prey Kabbas, 133:Samraong, 134:Tram Kak, 135:Treang, 136:Dambae, 137:Krouch Chhmar, 138:Memot, 139:Ponhea Kraek, 140:Suong, 141:Tboung Khmum,

[3] A5: A5 - Commune

Options: 1:Ta Kong, 2:Kouk Ballangk, 3:Ruessei Kraok, 4:Changha, 5:Paoy Paet, 6:Phsar Kandal, 7:Ponley, 8:Srah Chik, 9:Ou Ambel, 10:Preah Ponlea, 11:Phkoam, 12:Phum Thmei, 13:Ta Kream, 14:Chamkar Samraong, 15:Kdol Doun Teav, 16:Preaek Preah Sdach, 17:Rotanak, 18:Svay Pao, 19:Ampil Pram Daeum, 20:Boeung Pram, 21:Doun Ba, 22:Kear, 23:Bour, 24:Phlov Meas, 25:Serei Mean Chey, 26:Ou Dambang Pir, 27:Bansay Traeng, 28:Sandaek, 29:Svay Teab, 30:Ta Ong, 31:Sramar, 32:Boeng Kok, 33:Veal Vong, 34:Trean, 35:Sour Kong, 36:Chrey Vien, 37:Baray, 38:Dang Kdar, 39:Tuol Sambuor, 40:Phsar, 41:Peam Chhkaok, 42:Kampong Chhnang, 43:Khsam, 44:Phsar Chhnang, 45:Ta Ches, 46:Peam, 47:Tbaeng Khpos, 48:Pou Angkrang, 49:Rokar Thum, 50:Prey Nheat, 51:Preah Srae, 52:Prey Krasang, 53:Veang Chas, 54:Tang Samraong, 55:Thummoda Ar, 56:Trapeang Kong, 57:Chaeung Daeung, 58:Triel, 59:Chey, 60:Sakream, 61:Sala Visai, 62:Sochet, 63:Prasat, 64:Popok, 65:Achar Leak, 66:Champei, 67:Sdach Kong Khang Cheung, 68:Krang Snay, 69:Trapeang Reang, 70:Ang Sophy, 71:Andoung Khmer, 72:Stueng Kaev, 73:Trapeang Thum, 74:Baek Chan, 75:Krang Mkak, 76:Trapeang Veaeng, 77:Chheu Kmau, 78:Chrouy Ta Kaev, 79:Sampov Pun, 80:Preaek Ampil, 81:Kokir, 82:Preaek Ruessei, 83:Kaoh Chen, 84:Phsar Daek, 85:Roka Khpos, 86:Daeum Mien, 87:Kampong Samnanh, 88:Pong Tuek, 89:Kaeb, 90:Srae Ambel, 91:Bos Leav, 92:Sambok, 93:Kampong Damrei, 94:Preaek Saman, 95:Kracheh, 96:Voadthonak, 97:Bu Sra, 98:Kouk Khpos, 99:Koun Kriel, 100:Samraong, 101:Pailin, 102:Ou Andoung, 103:Boeng Keng Kang Ti Bei, 104:Boeng Keng Kang Ti Muoy, 105:Tonle Basak, 106:Tuol Svay Prey Ti Pir, 107:Tuol Tumpung Ti Muoy, 108:Chhbar Ampov Ti Muoy, 109:Chhbar Ampov Ti Pir, 110:Kbal Kaoh, 111:Nirouth, 112:Preaek Aeng, 113:Preaek Pra, 114:Veal Sbov, 115:Chrouy Changvar, 116:Kaoh Dach, 117:Preaek Ta Sek, 118:Dangkao, 119:Phsar Chas, 120:Phsar Kandal Ti Muoy, 121:Phsar Thmei Ti Muoy, 122:Voat Phnum, 123:Boeng Tumpun, 124:Chak Angrae Kraom, 125:Chak Angrae Leu, 126:Stueng Mean chey, 127:Ou Ruessei Ti Buon, 128:Veal Vong, 129:Chaom Chau, 130:Kakab, 131:Kamboul, 132:Trapeang Krasang, 133:Chrang Chamreh Ti Muoy, 134:Kilomaetr Lekh Prammuoy, 135:Ruessei Kaev, 136:Tuol Sangkae, 137:Khmuonh, 138:Phnom Penh Thmei, 139:Tuek Thla, 140:Boeng Kak Ti Muoy, 141:Boeng Salang, 142:Phsar Daeum Kor, 143:Phsar Depou Ti Muoy, 144:Tuek L'ak Ti Bei, 145:Tuek L'ak Ti Muoy, 146:Buon, 147:Muoy, 148:Pir, 149:Prey Nob, 150:Choam Ksant, 151:Kuleaen Cheung, 152:Kampong Pranak, 153:Reaksa, 154:Sdau Kaong, 155:Kranhung, 156:Ansaong, 157:Prey Chhor, 158:Chong Ampil, 159:Prey Khnes, 160:Prey Sralet, 161:Ruessei Srok, 162:Peam Mean Chey, 163:Preaek Khsay Kha, 164:Kampong Soeng, 165:Preaek Anteah, 166:Chrey Khmum, 167:Angkor Tret, 168:Boeng Khnar, 169:Trapeang chorng, 170:Kampong Pou, 171:Phteah Rung, 172:Chamraeun Phal, 173:Phteah Prey, 174:Chey Otdam, 175:Saom Thum, 176:Phnum Kok, 177:Tbaeng, 178:Kouk Thlok Kraom, 179:Chanleas Dai, 180:Roung Kou, 181:Ballangk, 182:Trapeang Thum, 183:Lvea, 184:Kouk Chak, 185:Siem Reab, 186:Sla Kram, 187:Svay Dankum, 188:Kien Sangkae, 189:Kantuot, 190:Srae Krasang, 191:Sekong, 192:Stueng Traeng, 193:Prey Thum, 194:Tnaot, 195:Mream, 196:Svay Chek, 197:Chambak, 198:Kruos, 199:Chek, 200:Monourom, 201:Preaek Phtoul, 202:Pot Sar, 203:Roka Knong, 204:Prey Khla, 205:Kampeaeng, 206:Prey Phdau, 207:Khvav, 208:Samraong, 209:Leay Bour, 210:Angk Khnor, 211:Chong Cheach, 212:Seda, 213:Roka Khnor, 214:Rumchek, 215:Kak, 216:Kaong Kang, 217:Suong, 218:Anhchaeum, 219:Chob, 220:Roka Po Pram,

[4] A6: A6 - Village

Options: 1:Ta Kong, 2:Char Thmei, 3:Chumteav, 4:Ta Chrueng, 5:Baliley 2, 6:Chan Kiri, 7:Kbal Spean 1, 8:Kbal Spean 2, 9:Ou Chrov, 10:Poay Pet, 11:Phsar Kandal, 12:Prachea Thorm Kaeut, 13:Ponley, 14:Srah Chik, 15:Roung Masin, 16:Preah Ponlea, 17:Yeang, 18:Thmei Lech, 19:Ta Ngaen, 20:Chamkar Samraong Muoy, 21:Kantuot, 22:Ta Pruoch, 23:Preaek Ta Tan, 24:Souphi Pir, 25:Mphey Osakphea, 26:Siem, 27:Boeung Thung, 28:Prey Phnheas, 29:Kear Bei, 30:Ouda, 31:Sek Sak, 32:Kumnor Beng, 33:Dambouk Khpos, 34:Ta Kay, 35:Kampal, 36:Tang Krang, 37:Chamraeun Phal, 38:Andoung Treang, 39:Chrouy Thma, 40:Phum Pir, 41:Paen, 42:Boeng Sang Kaeut, 43:Banteay Rueng, 44:Tuol Bak Koam, 45:Kamphlak, 46:Ou Pir, 47:Tuol Sambuor, 48:Phsar, 49:Anlong Metrei, 50:La Tuek Trei, 51:Ti Muoy, 52:Chong Kaoh, 53:Banteay Meas, 54:Voat Thmei, 55:Chanva riel, 56:Roleang, 57:Kandaol, 58:Prey Sroul, 59:Snao Ti Muoy, 60:Prey Rongieng, 61:Pou Kaong, 62:Trapeang Chrov, 63:Vihear Khpos, 64:Krang thum, 65:Dei Kraham, 66:Srae Ambel, 67:Ta Aong, 68:Kiri Andaet, 69:Prey Tob, 70:Kien Teak, 71:Ruessei Duoch, 72:Pou Roung, 73:Banteay Yumreach, 74:Sambuor, 75:Krachab, 76:Tonle Neam, 77:Kanlang, 78:Touch, 79:Trapeang Veaeng, 80:Boeng Thum Khang Kaeut, 81:Tvi Khang tboung, 82:Anlong Meakprang, 83:Trapeang Chrey, 84:Trach Toul, 85:Angk Popeay, 86:Trapeang Barku, 87:Tuol Svay, 88:Lekh Buon, 89:Preaek Sueng, 90:Preaek Krabau muoy, 91:Chanlak Kraw, 92:Peam Sdei, 93:Ta Pov, 94:Thommeak Treiy, 95:Kaoh Kor, 96:Preaek Ta Pov, 97:Krabaou, 98:Ou Doung, 99:Kaeb, 100:Srae Ambel, 101:Bos Leav Kraom, 102:Boeng Run, 103:Veal Kansaeng, 104:Chheu Teal Phluoh, 105:Voat, 106:Vodthonak, 107:Pu Til, 108:Chheu Slab, 109:Khtum, 110:Phniet, 111:Pul, 112:Pa Hi Choeng, 113:O Andoang, 114:Phum8, 115:Phum2, 116:Phum14, 117:Phum8, 118:Phum4, 119:Daeum Meakkloea, 120:Daeum Chan1, 121:Daeum Slaeng1, 122:Kandal1, 123:Chrouy Ampil 1, 124:Chrouy Ampil 2, 125:Preaek Thum 1, 126:Preaek Thum 2, 127:Ruessei Sros, 128:Ta Ngov Kandal, 129:Ta Ngov Krom, 130:Chong Preaek 1, 131:Ta Prum, 132:Chrouy Basak1, 133:Ou Andoung1, 134:Preaek Cheang Prum, 135:Phum Ti Pir, 136:Lvea, 137:Preaek Ta Roatn, 138:Khva, 139:Phum6, 140:Phum13, 141:Phum4, 142:Phum3, 143:Chamraeun Phal, 144:Chamra eun Phal1, 145:Kbal Tumnob1, 146:Sansam Kosal 3, 147:Sansam Kosal 4, 148:Tnaot Chrum1, 149:Tnaot Chrum2, 150:Tnaot Chrum3, 151:Tnaot Chrum4, 152:Preaek Ta Long1, 153:Preaek Ta Long2, 154:Tuol Roka1, 155:Tuol Roka2, 156:Preaek Ta Kong2, 157:Preaek Ta Kong3, 158:Preaek Ta Nu, 159:Preaek Ta Nu1, 160:Damnak Thum1, 161:Damnak Thum3, 162:Ruessei1, 163:Trea, 164:Trea1, 165:Trea2, 166:Trea3, 167:Trea4, 168:Phum1, 169:Phum2, 170:Chrey Kaong, 171:Thma Koul, 172:Trapeang Thloeng, 173:Chamkar Ovloek, 174:Ta Ke, 175:Samaki4, 176:Phum 1, 177:Kraol Kou, 178:Mittakpheap, 179:Tuol Kouk, 180:Tuol Sangkae, 181:Trapeagragthmei, 182:Damnak, 183:Tumnob, 184:Se Pe Se, 185:Trapeang Chhuk, 186:Phum11, 187:Phum8, 188:Phum2, 189:Phum2, 190:Phum7, 191:Phum7, 192:Mondol Muoy, 193:Mondol Pir, 194:Mondol Bei, 195:Prey Nob Bei, 196:Chheu Teal Kong, 197:Kuleaeng Cheung, 198:Samraong, 199:Sanlung Chey, 200:Prey Phdau, 201:Angkrong Ti Pir, 202:Ansaong, 203:A Kreach, 204:Prey Svay, 205:Ruessei Chak, 206:Krang, 207:Ta Pung, 208:Boeng K'aek, 209:Phum Buon, 210:Kandal, 211:Ta Mao, 212:Chrey Khmum, 213:Sraloung Pir, 214:Sakar, 215:Kaoh Kaev, 216:Pou Robang, 217:Chreykrem, 218:Ou Tong, 219:Peal Nheaek Pir, 220:Srae Chhuk, 221:Saom Klueng, 222:Phnum Kok Lav, 223:Srah Khvav, 224:Thnal Ta Set, 225:Kambaor, 22

6:Lbaeuk Prei, 227:Sna TeChour 317, 228:Lvea, 229:Chreas, 230:Kouk Beng, 231:Nokor Krau, 232:Teaksen Tboung, 233:Trapeang Seh, 234:Pou, 235:Dak Pou, 236:Thmei, 237:Thnal Chaek, 238:Khnar Krau, 239:Srae Krasang, 240:Ban huoy, 241:Phomrachea Nukol, 242:Prey Sak um, 243:Kandal, 244:Boeng Phe, 245:Popul, 246:Ampov Prey, 247:Lvea, 248:Thmol, 249:Monourom, 250:Angkor, 251:Kleang Sambatt, 252:Chak, 253:Kaev Kamphleung, 254:Ta Pov, 255:Dong, 256:Tram Kol, 257:Svay, 258:Thnong Roleung, 259:Prey Meas, 260:Ponleak, 261:Chi Theang, 262:Phum Ti Pir, 263:Khpob, 264:Sambour, 265:Kandaol Kaong, 266:Cheung Lang, 267:Phum Bei Roy Dob, 268:Ta Trav, 269:Tuol T rea Cheung, 270:Pong Tuek,

[5] B5a: B5a - What is the highest grade of education you have completed?

Options: 0:Pre-school or no education, 1:Grade 1, 2:Grade 2, 3:Grade 3, 4:Grade 4, 5:Grade 5, 6:Grade 6, 7:Grade 7, 8:Grade 8, 9:Grade 9, 10:Grade 10, 11:Grade 11, 12:Grade 12, 13:Some university, 14:Bachelors or Associates, 15:Masters or Doctorates, 555:Other,

[6] B63: B63 - Does your facility use any of the following items?

Options: 1:Electric Lighting, 2:Television, DVD, VHS, Karaoke, 3:Computer or Printer, 4:Internet, 5:Fans or Evaporative Air Cooling, 6:Air Cond itioning, 7:Refrigeration or Drinking Water Coolers, 8:Mobile money agents/kiosks, 9:Water Pump, 10:Water Tank, 11:Sterilizer, 12:X-Ray Ma chines, 13:Microscope, 14:Centrifuge, 15:Refrigerator for vaccination, 16:Ultrasound, 17:Nebulizer and Pulse Oximeter, 18:Electro Cardiogr am machine, 19:Blood glucose monitor, 20:Suction apparatus, Anesthesia, 111:None,

[7] B73: B73 - Of the items listed and NOT USED, which of them would enhance the quality of the services in the facility most significantly?

Options: 1:Electric Lighting, 2:Television, DVD, VHS, Karaoke, 3:Computer or Printer, 4:Internet, 5:Fans or Evaporative Air Cooling, 6:Air Cond itioning, 7:Refrigeration or Drinking Water Coolers, 8:Mobile money agents/kiosks, 9:Water Pump, 10:Water Tank, 11:Sterilizer, 12:X-Ray Ma chines, 13:Microscope, 14:Centrifuge, 15:Refrigerator for vaccination, 16:Ultrasound, 17:Nebulizer and Pulse Oximeter, 18:Electro Cardiogr am machine, 19:Blood glucose monitor, 20:Suction apparatus, Anesthesia, 111:None,
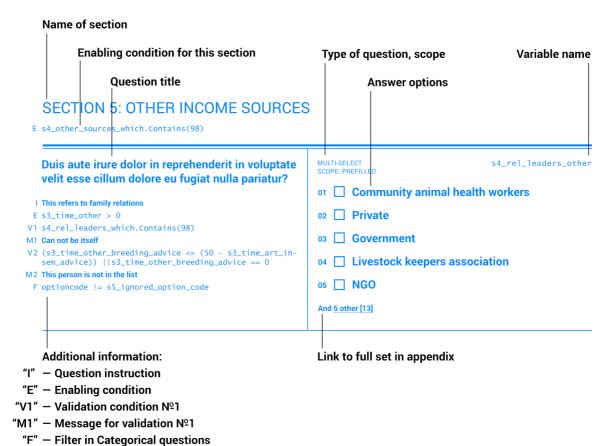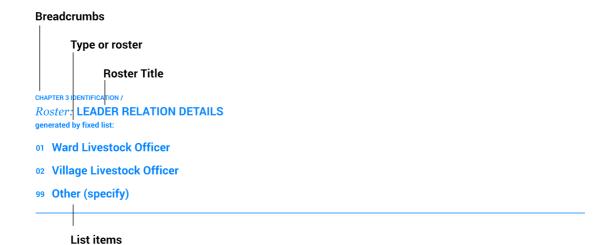
APPENDIX B — OPTIONS FILTERS

[1] B73: B73 - Of the items listed and NOT USED, which of them would enhance the quality of the services in the facility most significantly?
(@optioncode==1 && !B63.Contains(1)) || (@optioncode==2 && !B63.Contains(2)) || (@optioncode==3 && !B63.Contains(3)) || (@optioncode==4 && !B63.Contains(4)) || (@optioncode==5 && !B63.Contains(5)) || (@optioncode==6 && !B63.Contains(6)) || (@optioncode==7 && !B63.Contains(7)) || (@optioncode==8 && !B63.Contains(8)) || (@optioncode==9 && !B63.Contains(9)) || (@optioncode==10 && !B63.Contains(10)) || (@optioncode==11 && !B63.Contains(11) && B2c==4) || (@optioncode==12 && !B63.Contains(12) && B2c==4) || (@optioncode==13 && !B63.Contains(13) && B2c==4) || (@optioncode==14 && !B63.Contains(14) && B2c==4) || (@optioncode==15 && !B63.Contains(15) && B2c==4) || (@optioncode==16 && !B63.Contains(16) && B2c==4) || (@optioncode==17 && !B63.Contains(17) && B2c==4) || (@optioncode==18 && !B63.Contains(18) && B2c==4) || (@optioncode==19 && !B63.Contains(19) && B2c==4) || (@optioncode==20 && !B63.Contains(20) && B2c==4) || @optioncode==111

LEGEND

Legend and structure of information in this file

Name of section

Enabling condition for this section

Type of question, scope

Variable name

Question title

Answer options

SECTION 5: OTHER INCOME SOURCES
E `s4_other_sources_which.Contains(98)`

Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur?

I **This refers to family relations**
E `s3_time_other > 0`
V1 `s4_rel_leaders_which.Contains(98)`
M1 **Can not be itself**
V2 `(s3_time_other_breeding_advice <= (50 - s3_time_art_in-sem_advice)) ||s3_time_other_breeding_advice == 0`
M2 **This person is not in the list**
F `optioncode != s5_ignored_option_code`

MULTI-SELECT
SCOPE: PREFILLED
`s4_rel_leaders_other`

01 ☐ **Community animal health workers**

02 ☐ **Private**

03 ☐ **Government**

04 ☐ **Livestock keepers association**

05 ☐ **NGO**

And **5 other [13]**

Additional information:
"I" — **Question instruction**
"E" — **Enabling condition**
"V1" — **Validation condition №1**
"M1" — **Message for validation №1**
"F" — **Filter in Categorical questions**

Link to full set in appendix

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