Survey Solutions

RADZ survey - Dry Zone Community Questionnaire

A. & B. IDENTIFICATION
No sub-sections, Rosters: 1, Questions: 12, Static texts: 1.

C1 & C2. POPULATION AND SCHOOLS
Sub-sections: 2, No rosters, Questions: 16.

C3. - C5. INFRASTRUCTURE
Sub-sections: 10, No rosters, Questions: 51.

D1. FARMERS
Sub-sections: 3, No rosters, Questions: 25.

D2. LAND PREPARATION
Sub-sections: 2, No rosters, Questions: 18, Static texts: 1.

D3. COMBINE HARVESTER SERVICES
Sub-sections: 3, No rosters, Questions: 30, Static texts: 1.

D4. WAGES AND LABOR COST
Sub-sections: 2, No rosters, Questions: 12, Static texts: 2.

D5. LABOR AVAILABILITY
Sub-sections: 4, No rosters, Questions: 18.

E. AG BUSINESS INVENTORY
Sub-sections: 2, Rosters: 2, Questions: 8.

F. LAND OWNERSHIP
Sub-sections: 1, No rosters, Questions: 11.

G - CREDIT
No sub-sections, Rosters: 2, Questions: 19.

H - NON-FARM BUSINESS INVENTORY
No sub-sections, Rosters: 1, Questions: 4.

I. FARMER ASSOCIATIONS
No sub-sections, Rosters: 1, Questions: 4.

J. PRICES AND UNITS
No sub-sections, Rosters: 1, Questions: 6.

K. CLIMATE CHANGE
No sub-sections, Rosters: 2, Questions: 27.

END THE INTERVIEW

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

APPENDIX A — OPTIONS

LEGEND

A. & B. IDENTIFICATION

a101. Enter township code

SINGLE-SELECT a101

- 01 ○ Township 1 - Budalin
- 02 ○ Township 2 - Magway
- 03 ○ Township 3 - Pwintbyu
- 04 ○ Township 4 - Myittha
- 09 ○ Other township

a102. Enumeration Area (EA) RADZ code

NUMERIC: INTEGER a102

I This is the RADZ 3-digit code for the EA. It is provided on your EA info s heet. Example: 001, 002, 003 etc.

V1 `self.InRange(0,999) && ( (a101==1 && self.InRange(1,25)) || (a101==2 && self.InRange(26,50)) || (a101==3 && self.InRange(51,75)) || (a101==4 && self.InRange(76,100)) || (a101==9))`

M1 This code does not correspond to an EA in the selected township

a103. Please enter the code of this village tract or ward

NUMERIC: INTEGER a103

I This is the 3-digit code for the village tract or ward. It is provided on yo ur EA info sheet. Example: 709, 723, 782, etc.

V1 `self.InRange(0,999)`

M1 This code cannot have more than three digits

a104. Please enter the village name(s)

TEXT a104

I If two villages in this EA, please separate by a comma (,)

a105. What is the gps location?

GPS a105

N

W

A

a106. Does this ennumeration area...

SINGLE-SELECT A106

- 01 ○ Form part of a village that includes other enumeration areas
- 02 ○ Cover more than one village
- 03 ○ Have boundaries that coincide exactly with the village boundaries

a107. Date and time of interview start

DATE: CURRENT TIME a107

STATIC TEXT

End time will be recorded at the end of the interview.

a110. Enter your enumerator code:

TEXT a110

I This is your personal identifier. Example: 010, 020, 030,.., 100, 110, 120 , etc.

b101. Enter respondent names (maximum 6):

LIST b101

	○ ○
	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
	.....

C1 & C2. POPULATION AND SCHOOLS

C1 & C2. POPULATION AND SCHOOLS

C1 POPULATION

c101. In what year was this village formed?	SINGLE-SELECT c101 01 ○ Less than 10 years ago 02 ○ 10-19 years ago 03 ○ 20-29 years ago 04 ○ 30-49 years ago 05 ○ 50-100 years ago 06 ○ More than 100 years ago
c102a How many registered households are there in this village currently?	NUMERIC: INTEGER c102a -
c102b How many registered households were there in this village 5 years ago? V1 $hh M1 Check your number and confirm !!!!	NUMERIC: INTEGER c102b -
c102c How many registered households were there in this village 10 years ago? V1 $hh M1 Check your number and confirm !!!!	NUMERIC: INTEGER c102c -
c103. How many households have migrated	NUMERIC: INTEGER c103

into the village during the past 5 years?

V1 self<=c102b

M1 Number of migrants who moved in should be <= number of registered households

c104. How many households have permanently moved away from the village in the past 5 years?

NUMERIC: INTEGER c104

V1 self<=c102b

M1 Check your answer, this value is not likely!

c105. How many households own agricultural land in this village now?

NUMERIC: INTEGER c105

V1 self <= c102a

M1 Number of household who own land should be <= number of registered households in village

c106a. In 2016, how many hhs in this village had a long-term migrant (>6 mo)?

NUMERIC: INTEGER c106a

V1 self<=c102a

M1 Number of household with migrants should be <= number of registered households

c106b. In 2014, how many hhs in this village had a long-term migrant (>6 mo)?

NUMERIC: INTEGER c106b

V1 self<=c102b

M1 Number of household with migrants should be <= number of registered households

c106c. In 2012, how many hhs in this village had a long-term migrant (>6 mo)?

NUMERIC: INTEGER c106c

V1 self<=c102c

M1 Number of household with migrants should be <= number of registered households

C1 & C2. POPULATION AND SCHOOLS

C2 SCHOOLS

c201. Is the village served by a primary school?

SINGLE-SELECT c201

01 ○ Yes

02 ○ No

c202. In which year did the primary school first open?

NUMERIC: INTEGER c202

E c201==1

V1 $year

M1 Please answer in YYYY format or 9997 for do not know

c203. Is the village served by a junior high school?

SINGLE-SELECT c203

01 ○ Yes

02 ○ No

c204. In which year did the junior high school first open?

NUMERIC: INTEGER c204

E c203==1

V1 $year

M1 Please answer in YYYY format or 9997 for do not know

c205. Is the village served by an upper high

SINGLE-SELECT c205

school?	01 ○ Yes 02 ○ No
c206. In which year did the upper high school first open? E c205==1 V1 $year M1 Please answer in YYYY format or 9997 for do not know	NUMERIC: INTEGER c206

C3. - C5. INFRASTRUCTURE

C3. - C5. INFRASTRUCTURE

C3 ACCESS TO VILLAGE

c301. What is the primary mode of access to the village?	SINGLE-SELECT c301 01 ○ Road 02 ○ Waterway 03 ○ Railway 99 ○ Other (Specify)
c301s. Specify the other primary mode of access to the village E c301==99	TEXT c301s
c302. Is there a paved road leading to this village?	SINGLE-SELECT c302 01 ○ Yes 02 ○ No
c303. In what year did the village receive a paved road? (dnk = 9997) E c302==1 V1 $year M1 Please answer with a four-digit number or 9997 for do not know	NUMERIC: INTEGER c303
c304. How far is the nearest paved road (miles)? E c302==2	NUMERIC: INTEGER c304
c305. Is this village accessible by car in the dry season?	SINGLE-SELECT c305 01 ○ Yes 02 ○ No
c306. Is this village accessible by car in the monsoon season?	SINGLE-SELECT c306 01 ○ Yes 02 ○ No
c307. Is there publicly provided electricity in the village?	SINGLE-SELECT c307 01 ○ Yes 02 ○ No
c308. In which year did this village receive public electricity? (dnk = 9997) E c307==1 V1 $year	NUMERIC: INTEGER c308

M1 Please answer with four-digit number or 9997 for do not know

c309. How many households in this village have access to public electricity? (dnk = 9997)

NUMERIC: INTEGER c309

E c307==1
V1 self<=c102a
M1 Higher than current households in village, Check your answer!!!

c310. Is this electricity supplied via a transformer that the community paid for?

SINGLE-SELECT c310

E c307==1

01 ○ Yes
02 ○ No
97 ○ Do not know

C3. - C5. INFRASTRUCTURE

C4 ACCESS TO URBAN CENTERS

c400a. What is the name of the nearest town?

TEXT c400a

c400b. What is the name of the nearest city?

TEXT c400b

C3. - C5. INFRASTRUCTURE / C4 ACCESS TO URBAN CENTERS

NEAREST TOWN

c401a. How far is %c400a% located (miles)?

NUMERIC: INTEGER c401a

V1 $mile
M1 Distance is more than 50 miles !!!!!

c402a. What is the most common mode of transport people use to go from this village to %c400a%?

SINGLE-SELECT c402a

01 ○ Motorcycle
02 ○ Ox cart
03 ○ Trawelerji
04 ○ Boat
05 ○ Bus
06 ○ Car
07 ○ Bicycle
08 ○ Truck
99 ○ Other (specify)

c402as. Specify (if answered 99)

TEXT c402as

E c402a==99

c403a1. How long does it take to reach %c400a% in the dry season using %c402a%?

TEXT c403a1

I Please answer in HH:MM format

c403a2. How long does it take to reach %c400a% in the wet season using %c402a%?

TEXT c403a2

I Please answer in HH:MM format

c404a. What was the most common mode of transport people used to go from this village to %c400a% 5 years ago?

SINGLE-SELECT c404a

01 ○ Motorcycle
02 ○ Ox cart

	03 ○ Trawelerji 04 ○ Boat 05 ○ Bus 06 ○ Car 07 ○ Bicycle 08 ○ Truck 99 ○ Other (specify)
c404as. Specify (if answered 99) E c404a==99	TEXT c404as .....
c405a1. How long did it take to reach %c400a% using %c404a% in the dry season 5 years ago? I Please answer in HH:MM format	TEXT c405a1 .....
c405a2. How long did it take to reach %c400a% using %c404a% in the wet season 5 years ago? I Please answer in HH:MM format	TEXT c405a2 .....

C3. - C5. INFRASTRUCTURE / C4 ACCESS TO URBAN CENTERS

NEAREST CITY

c401b. How far is %c400b% located (miles)?	NUMERIC: INTEGER c401b -
c402b. What is the most common mode of transport people use to go from this village to %c400b%?	SINGLE-SELECT c402b 01 ○ Motorcycle 02 ○ Ox cart 03 ○ Trawelerji 04 ○ Boat 05 ○ Bus 06 ○ Car 07 ○ Bicycle 08 ○ Truck 99 ○ Other (specify)
c402bs. Specify (if answered 99) E c402b==99	TEXT c402bs .....
c403b1. How long does it take to reach %c400b% in the dry season using %c402b%? I Please answer in HH:MM format	TEXT c403b1 .....
c403b2. How long does it take to reach %c400b% in the wet season using %c402b%? I Please answer in HH:MM format	TEXT c403b2 .....
c404b. What was the most common mode of transport people use to go from this village to %c400b% 5 years ago?	SINGLE-SELECT c404b 01 ○ Motorcycle 02 ○ Ox cart 03 ○ Trawelerji 04 ○ Boat 05 ○ Bus 06 ○ Car

07 ○ Bicycle
08 ○ Truck
99 ○ Other (specify)

c404bs. Specify (if answered 99)

E c404b==99

TEXT c404bs

c405b1. How long did it take to reach %c400b% using %c404b% in the dry season 5 years ago?

I Please answer in HH:MM format

TEXT c405b1

c405b2. How long did it take to reach %c400b% using %c404b% in the wet season 5 years ago?

I Please answer in HH:MM format

TEXT c405b2

C3. - C5. INFRASTRUCTURE

C5 IRRIGATION

c501. Is the village within the catchment area of a dam irrigation scheme?

SINGLE-SELECT c501

01 ○ Yes
02 ○ No
97 ○ Do not know

C3. - C5. INFRASTRUCTURE / C5 IRRIGATION

DAM IRRIGATION

E c501==1

c502. In what year did the village first receive water from the dam irrigation scheme?

V1 $year
M1 Please enter a four-digit year YYYY or 9997 for "do not know"

NUMERIC: INTEGER c502

c503. How many households currently have access to water from the dam?

V1 self<c102a
M1 Number is higher than village household, Check again!!!

NUMERIC: INTEGER c503

c504. How many households had access to water from the dam 5 years ago?

V1 $hh
M1 Check your number again, High value!!!!

NUMERIC: INTEGER c504

c505. Is the village within the catchment area of any river water pumping scheme?

SINGLE-SELECT c505

01 ○ Yes
02 ○ No
97 ○ Do not know

C3. - C5. INFRASTRUCTURE / C5 IRRIGATION

RIVER WATER PUMPING SCHEME

E c505==1

c506. In what year did the village first receive water from the pumping scheme?

NUMERIC: INTEGER c506

V1 $year
M1 Please enter a four-digit year YYYY or 9997 for "do not know"

c507. How many households currently have access to water from the pumping scheme?

NUMERIC: INTEGER c507

V1 self<c102a
M1 Number is higher than village household, Check again!!!

c508. How many households had access to water from the pumping scheme 5 years ago?

NUMERIC: INTEGER c508

V1 $hh
M1 Check your number again, High value!!!!

c509. Is the village served by any privately or community operated irrigation tubewells?

SINGLE-SELECT c509
01 ○ Yes
02 ○ No
97 ○ Do not know

C3. - C5. INFRASTRUCTURE / C5 IRRIGATION

PRIVATE TUBEWELL IRRIGATION

E c509==1

c510. In what year did the village first receive water from privately operated irrigation tubewells?

NUMERIC: INTEGER c510

V1 $year
M1 correction: Please enter a valid year in YYYY format, or 9997 for do not know

c511. How many households currently have access to water from the privately operated irrigation tubewells?

NUMERIC: INTEGER c511

V1 self<c102a
M1 Number is higher than village household, Check again!!!

c512. How many households had access to water from the private irrigation tubewell 5 years ago?

NUMERIC: INTEGER c512

V1 $hh
M1 Check your number again, High value!!!!

c513. Is the village served by any publically operated irrigation tubewells?

SINGLE-SELECT c513
01 ○ Yes
02 ○ No
97 ○ Do not know

C3. - C5. INFRASTRUCTURE / C5 IRRIGATION

PUBLIC TUBEWELL IRRIGATION

E c513==1

c514. In what year did the village first receive water from the public irrigation tubewell?

NUMERIC: INTEGER c514

V1 $year
M1 Please enter a four-digit year YYYY or 9997 for "do not know"

c515. How many households currently have

NUMERIC: INTEGER c515

access to water from the public irrigation tubewell?

V1 self<c102a
M1 Number is higher than village household, Check again!!!

c516. How many households had access to water from the public irrigation tubewell 5 years ago?

NUMERIC: INTEGER c516

V1 $hh
M1 Check your number again, High value!!!!

c517. Is the village served by any community irrigation tubewells?

SINGLE-SELECT c517
01 ○ Yes
02 ○ No
97 ○ Do not know

C3. - C5. INFRASTRUCTURE / C5 IRRIGATION
COMMUNITY TUBEWELL IRRIGATION

E c517==1

c518. In what year did the village first receive water from community irrigation tubewells?

NUMERIC: INTEGER c518

V1 $year
M1 correction: Please enter a valid year in YYYY format, or 9997 for do not know

c519. How many households currently have access to water from community irrigation tubewells?

NUMERIC: INTEGER c519

V1 self<c102a
M1 Number is higher than village household, Check again!!!

c520. How many households had access to water from the community tubewell 5 years ago?

NUMERIC: INTEGER c520

V1 $hh
M1 Check your number again, High value!!!!

D1. FARMERS

d101a. Did any household in this village grow paddy in 2016?

SINGLE-SELECT d101a
01 ○ Yes
02 ○ No

d101b. Did any household in this village grow paddy in 2014?

SINGLE-SELECT d101b
01 ○ Yes
02 ○ No

d101c. Did any household in this village grow paddy in 2012?

SINGLE-SELECT d101c
01 ○ Yes
02 ○ No

D1. FARMERS
MONSOON PADDY

E d101a==1 || d101b==1 || d101c==1

d103a. How many HH grew monsoon paddy in 2016?

NUMERIC: INTEGER d103a

E d101a==1
V1 self<=c102a
M1 Cannot be more than the number of registered households in that yea r. Please check.

d103b. How many HH grew monsoon paddy in 2014?

NUMERIC: INTEGER d103b

E d101b==1
V1 self<=c102a
M1 Cannot be more than the number of registered households in 2016. Pl ease check.

d103c. How many HH grew monsoon paddy in 2012?

NUMERIC: INTEGER d103c

E d101c==1
V1 self<=c102b
M1 Cannot be more than the number of registered households 5 years ag o. Please check.

d104a. What was the area of land under monsoon paddy in 2016? [acres]

NUMERIC: INTEGER d104a

E d103a>0
V1 $under100k
M1 Land area over 100000 acres unlikely. Please check.

d104b. What was the area of land under monsoon paddy in 2014? [acres]

NUMERIC: INTEGER d104b

E d103b>0
V1 $under100k
M1 Land area over 100000 acres unlikely. Please check.

d104c. What was the area of land under monsoon paddy in 2012? [acres]

NUMERIC: INTEGER d104c

E d103c>0
V1 $under100k
M1 Land area over 100000 acres unlikely. Please check.

D1. FARMERS

DRY SEASON PADDY

E d101a == 1|| d101b==1|| d101c==1

d105a. How many HH grew dry season paddy in 2016?

NUMERIC: INTEGER d105a

E d101a==1
V1 self<=c102a
M1 Cannot be more than the number of registered households in that yea r. Please check.

d105b. How many HH grew dry season paddy in 2014?

NUMERIC: INTEGER d105b

E d101b==1
V1 self <=c102a
M1 Cannot be more than the number of registered households in 2016. Pl ease check.

d105c. How many HH grew dry season paddy in 2012?

NUMERIC: INTEGER d105c

E d101c==1
V1 self <= c102b
M1 Cannot be more than the number of registered households 5 years ago. Please check.

d106a. What was the area of land under dry season paddy in 2016? [acres]

NUMERIC: INTEGER d106a

E d105a>0
V1 $under100k
M1 Land area over 100000 acres unlikely. Please check.

d106b. What was the area of land under dry season paddy in 2014? [acres]

NUMERIC: INTEGER d106b

E d105b>0
V1 $under100k
M1 Land area over 100000 acres unlikely. Please check.

d106c. What was the area of land under dry season paddy in 2012? [acres]

NUMERIC: INTEGER d106c

E d105c>0
V1 $under100k
M1 Land area over 100000 acres unlikely. Please check.

d107. Among the following crops, which is the most commonly grown in this village?

SINGLE-SELECT d107
01 ○ Groundnut
02 ○ Green Gram
03 ○ Sesame

d107a. Did any household in this village grow %d107% in 2016?

SINGLE-SELECT d107a
01 ○ Yes
02 ○ No

d107b. Did any household in this village grow %d107% in 2014?

SINGLE-SELECT d107b
01 ○ Yes
02 ○ No

d107c. Did any household in this village grow %d107% in 2012?

SINGLE-SELECT d107c
01 ○ Yes
02 ○ No

D1. FARMERS

NON-RICE CROP LAND

E d107a==1 || d107b==1 || d107c==1

d108a. How many HH farmed %d107% in 2016?

NUMERIC: INTEGER d108a

E d107a==1
V1 self<=c102a
M1 Cannot be more than the number of registered households in that year. Please check.

d108b. How many HH farmed %d107% in 2014?

NUMERIC: INTEGER d108b

E d107b==1
V1 self<=c102a
M1 Cannot be more than the number of registered households in that year. Please check.

d108c. How many HH farmed %d107% in 2012?

NUMERIC: INTEGER d108c

E d107c==1
V1 self<=c102b
M1 Cannot be more than the number of registered households in that yea r. Please check.

d109a. What was the area of land under %d107% in 2016? [acres]

NUMERIC: INTEGER d109a

E d108a>0
V1 $under100k
M1 Land area over 100000 acres unlikely. Please check.

d109b. What was the area of land under %d107% in 2014? [acres]

NUMERIC: INTEGER d109b

E d108b>0
V1 $under100k
M1 Land area over 100000 acres unlikely. Please check.

d109c. What was the area of land under %d107% in 2012? [acres]

NUMERIC: INTEGER d109c

E d108c>0
V1 $under100k
M1 Land area over 100000 acres unlikely. Please check.

D2. LAND PREPARATION

STATIC TEXT

Note: These questions are only asked if there exist farmers (section C1).

d201a. Did any farmer use draft animals for paddy land preparation in 2016?

SINGLE-SELECT d201a
01 ○ Yes
02 ○ No

E d101a==1

d201b. Did any farmer use draft animals for paddy land preparation in 2014?

SINGLE-SELECT d201b
01 ○ Yes
02 ○ No

E d101b==1

d201c. Did any farmer use draft animals for paddy land preparation in 2012?

SINGLE-SELECT d201c
01 ○ Yes
02 ○ No

E d101c==1

d202a. Did any farmer use draft animals for %d107% land preparation in 2016?

SINGLE-SELECT d202a
01 ○ Yes
02 ○ No

E d107a==1

d202b. Did any farmer use draft animals for %d107% land preparation in 2014?

SINGLE-SELECT d202b
01 ○ Yes
02 ○ No

E d107b==1

d202c. Did any farmer use draft animals for %d107% land preparation in 2012?

SINGLE-SELECT d202c
01 ○ Yes
02 ○ No

E d107c==1

RICE

E d201a==1 || d201b==1 || d201c==1

d203a. How many HH prepared paddy land with draft animals in 2016?

NUMERIC: INTEGER d203a

E d201a==1

V1 self<=d103a || self<=d105a

M1 Stated number is larger than total number of farmers that year. Please check.

d203b. How many HH prepared paddy land with draft animals in 2014?

NUMERIC: INTEGER d203b

E d201b==1

V1 self<=d103b || self <=d105b

M1 Stated number is larger than total number of farmers that year. Please check.

d203c. How many HH prepared paddy land with draft animals in 2012?

NUMERIC: INTEGER d203c

E d201c==1

V1 self<=d103c || self <=d105c

M1 Stated number is larger than total number of farmers that year. Please check.

d204a. What was the area of paddy land prepared with draft animals in 2016?

NUMERIC: INTEGER d204a

E d203a>0

V1 self<=d106a || self <=d104a

M1 Stated area is larger than stated area that year. Please check.

d204b. What was the area of paddy land prepared with draft animals in 2014?

NUMERIC: INTEGER d204b

E d203b>0

V1 self<=d106b || self<=d104b

M1 Stated area is larger than stated area that year. Please check.

d204c. What was the area of paddy land prepared with draft animals in 2012?

NUMERIC: INTEGER d204c

E d203c>0

V1 self<=d106c || self<=d104c

M1 Stated area is larger than stated area that year. Please check.

D2. LAND PREPARATION

NON-RICE CROP

E d202a==1 || d202b==1 || d202c==1

d207a. How many HH prepared %d107% land with draft animals in 2016?

NUMERIC: INTEGER d207a

E d202a==1

V1 self<=d108a

M1 Stated number is larger than total number of farmers that year. Please check.

d207b. How many HH prepared %d107% land with draft animals in 2014?

NUMERIC: INTEGER d207b

E d202b==1

V1 self<=d108b

M1 Stated number is larger than total number of farmers that year. Please check.

d207c. How many HH prepared %d107% land with draft animals in 2012?

NUMERIC: INTEGER d207c

E d202c==1
V1 self<=d108c
M1 Stated number is larger than total number of farmers that year. Please check.

d208a. What was the area of %d107% land prepared with draft animals in 2016?

NUMERIC: INTEGER d208a

E d207a>0
V1 self<=d109a
M1 Stated area is larger than stated area that year. Please check.

d208b. What was the area of %d107% land prepared with draft animals in 2014?

NUMERIC: INTEGER d208b

E d207b>0
V1 self<=d109b
M1 Stated area is larger than stated area that year. Please check.

d208c. What was the area of %d107% land prepared with draft animals in 2012?

NUMERIC: INTEGER d208c

E d207c>0
V1 self<=d109c
M1 Stated area is larger than stated area that year. Please check.

D3. COMBINE HARVESTER SERVICES

STATIC TEXT

Note: These questions are only asked if there exist paddy farmers (section C1).

d301a. Did any farmer in this village harvest paddy with a combine harvester in 2016?

SINGLE-SELECT d301a
01 ○ Yes
02 ○ No

E d101a==1

d301b. Did any farmer in this village harvest paddy with a combine harvester in 2014?

SINGLE-SELECT d301b
01 ○ Yes
02 ○ No

E d101b==1

d301c. Did any farmer in this village harvest paddy with a combine harvester in 2012?

SINGLE-SELECT d301c
01 ○ Yes
02 ○ No

E d101c==1

D3. COMBINE HARVESTER SERVICES

MONSOON SEASON

E d301a==1 || d301b==1 || d301c==1

d303a. How many HH harvested paddy in monsoon season using a combine in 2016?

NUMERIC: INTEGER d303a

E d301a==1
V1 self<=d103a
M1 Stated number is larger than total number of paddy farmers that year. Please check.

d303b. How many HH harvested paddy in

NUMERIC: INTEGER d303b

monsoon season using a combine in 2014?

E d301b==1
V1 self<=d103b
M1 Stated number is larger than total number of farmers that year. Please check.

d303c. How many HH harvested paddy in monsoon season using a combine in 2012?

NUMERIC: INTEGER d303c

E d301c==1
V1 self<=d103c
M1 Stated number is larger than total number of farmers that year. Please check.

d304a. What was the area of land under monsoon paddy harvested by combine in 2016?

NUMERIC: INTEGER d304a

E d303a>0
V1 self<=d104a
M1 Stated area is larger than stated area that year. Please check.

d304b. What was the area of land under monsoon paddy harvested by combine in 2014?

NUMERIC: INTEGER d304b

E d303b>0
V1 self<=d104b
M1 Stated area is larger than total area that year. Please check.

d304c. What was the area of land under monsoon paddy harvested by combine in 2012?

NUMERIC: INTEGER d304c

E d303c>0
V1 self<=d104c
M1 Stated area is larger than total area that year. Please check.

D3. COMBINE HARVESTER SERVICES

DRY SEASON

E d301a==1 || d301b==1 || d301c==1

d307a. How many HH harvested paddy in dry season using a combine in 2016?

NUMERIC: INTEGER d307a

E d301a==1
V1 self<=d105a
M1 Stated number is larger than total number of farmers that year. Please check.

d307b. How many HH harvested paddy in dry season using a combine in 2014?

NUMERIC: INTEGER d307b

E d301b==1
V1 self<=d105b
M1 Stated number is larger than total number of farmers that year. Please check.

d307c. How many HH harvested paddy in dry season using a combine in 2012?

NUMERIC: INTEGER d307c

E d301c==1
V1 self<=d105c
M1 Stated number is larger than total number of farmers that year. Please check.

d308a. What was the area of land under dry

NUMERIC: INTEGER d308a

season paddy harvested by combine in 2016?

E d307a>0
V1 self<=d106a
M1 Stated area is larger than stated area that year. Please check.

d308b. What was the area of land under dry season paddy harvested by combine in 2014?

NUMERIC: INTEGER d308b

E d307b>0
V1 self<=d106b
M1 Stated area is larger than total area that year. Please check.

d308c. What was the area of land under dry season paddy harvested by combine in 2012?

NUMERIC: INTEGER d308c

E d307c>0
V1 self<=d106c
M1 Stated area is larger than total area that year. Please check.

D3. COMBINE HARVESTER SERVICES

COMBINE COST

E d301a==1 || d301b==1 || d301c==1

d309a. What was the cost per acre of hiring a combine for harvesting monsoon paddy in 2016? [kyat]

NUMERIC: INTEGER d309a

E d303a>0
V1 $v1kto100k
M1 Cost per acre should be between 1,000 and 100,000 kyats. Please chec k.

d309b. What was the cost per acre of hiring a combine for harvesting monsoon paddy in 2014? [kyat]

NUMERIC: INTEGER d309b

E d303b>0
V1 $v1kto100k
M1 Cost per acre should be between 1,000 and 100,000 kyats. Please chec k.

d309c. What was the cost per acre of hiring a combine for harvesting monsoon paddy in 2012? [kyat]

NUMERIC: INTEGER d309c

E d303c>0
V1 $v1kto100k
M1 Cost per acre should be between 1,000 and 100,000 kyats. Please chec k.

d310a. What was the cost per acre of hiring a combine for harvesting dry season paddy in 2016? [kyat]

NUMERIC: INTEGER d310a

E d307a>0
V1 $v1kto100k
M1 Cost per acre should be between 1,000 and 100,000 kyats. Please chec k.

d310b. What was the cost per acre of hiring a combine for harvesting dry season paddy in 2014? [kyat]

NUMERIC: INTEGER d310b

E d307b>0
V1 $v1kto100k
M1 Cost per acre should be between 1,000 and 100,000 kyats. Please chec k.

d310c. What was the cost per acre of hiring a combine for harvesting dry season paddy in 2012? [kyat]

NUMERIC: INTEGER d310c

E d307c>0
V1 $v1kto100k
M1 Cost per acre should be between 1,000 and 100,000 kyats. Please chec k.

d311a. How far away was the nearest combine rental service provider in 2016? [miles]

NUMERIC: INTEGER d311a

E d301a==1 || d301b==1 || d301c==1

d311b. How far away was the nearest combine rental service provider in 2014?[miles]

NUMERIC: INTEGER d311b

E d301a==1 || d301b==1 || d301c==1

d311c. How far away was the nearest combine rental service provider in 2012?[miles]

NUMERIC: INTEGER d311c

E d301a==1 || d301b==1 || d301c==1

d312a. How did the majority of farmers in this village usually hire a combine harvester in 2016?

SINGLE-SELECT d312a

E d301a==1

- 01 ○ Farmer contacts a combine owner individually
- 02 ○ Representative of a group of farmers contacts a combine owner
- 03 ○ Combine owner or his representative contacts individual farmers
- 99 ○ Other (Specify)

d312as. Please specify:

TEXT d312as

E d312a==99

d312b. How did the majority of farmers in this village usually hire combine harvester in 2014?

SINGLE-SELECT d312b

E d301b==1

- 01 ○ Farmer contacts a combine owner individually
- 02 ○ Representative of a group of farmers contacts a combine owner
- 03 ○ Combine owner or his representative contacts individual farmers
- 99 ○ Other (Specify)

d312bs. Please specify:

TEXT d312bs

E d312b==99

d312c. How did the majority of farmers in this village usually hire a combine harvester in 2012?

SINGLE-SELECT d312c

E d301c==1

- 01 ○ Farmer contacts a combine owner individually
- 02 ○ Representative of a group of farmers contacts a combine owner
- 03 ○ Combine owner or his representative contacts individual farmers
- 99 ○ Other (Specify)

d312cs. Please specify:

TEXT d312cs

E d312c==99

D4. WAGES AND LABOR COST

d401ma. What was the average daily wage for MALE unskilled agricultural workers in 2016? (in Kyat)

NUMERIC: INTEGER d401ma

V1 $v100_to_10k
M1 Check your daily wage; it is less than 100 kyat or more than 10000 Kyat .

d401fa. What was the average daily wage for FEMALE unskilled agricultural workers in 2016? (In Kyat)

NUMERIC: INTEGER d401fa

V1 $v100_to_10k
M1 Check your daily wage; it is less than 100 kyat or more than 10000 Kyat .

d401mb. What was the average daily wage for MALE unskilled agricultural workers in 2014? (in Kyat)

NUMERIC: INTEGER d401mb

V1 $v100_to_10k
M1 Check your daily wage; it is less than 100 kyat or more than 10000 Kyat .

d401fb. What was the average daily wage for FEMALE unskilled agricultural workers in 2014? (in Kyat)

NUMERIC: INTEGER d401fb

V1 $v100_to_10k
M1 Check your daily wage; it is less than 100 kyat or more than 10000 Kyat .

d401mc. What was the average daily wage for MALE unskilled agricultural workers in 2012? (In Kyat)

NUMERIC: INTEGER d401mc

V1 $v100_to_10k
M1 Check your daily wage; it is less than 100 kyat or more than 10000 Kyat .

d401fc. What was the average daily wage for FEMALE unskilled agricultural workers in 2012? (In Kyat)

NUMERIC: INTEGER d401fc

V1 $v100_to_10k
M1 Check your daily wage; it is less than 100 kyat or more than 10000 Kyat .

D4. WAGES AND LABOR COST

HARVESTING

STATIC TEXT

Note: These questions are only asked if there exist paddy farmers (section C1).

d403a. What was the average total labor cost for harvesting ONE ACRE of monsoon paddy in 2016? [Kyats]

NUMERIC: INTEGER d403a

E d103a>0
V1 $v1kto100k
M1 Check your per acre cost, Please confirm.

d403b. What was the average total labor cost for harvesting ONE ACRE of monsoon paddy in 2014? [Kyats]

NUMERIC: INTEGER d403b

E d103b>0
V1 $v1kto100k
M1 Check your per acre cost, Please confirm.

d403c. What was the average total labor cost for harvesting ONE ACRE of monsoon paddy in 2012? [Kyats]

NUMERIC: INTEGER d403c

E d103c>0
V1 $v1kto100k
M1 Check your per acre cost, Please confirm.

D4. WAGES AND LABOR COST

THRESHING

STATIC TEXT

Note: These questions are only asked if there exist paddy farmers (section C1).

d404a. What was the average total labor cost for threshing ONE ACRE of monsoon paddy in 2016? [Kyats]

NUMERIC: INTEGER d404a

E d103a>0
V1 $v1kto100k
M1 Check your per acre cost, Please confirm.

d404b. What was the average total labor cost for threshing ONE ACRE of monsoon paddy in 2014? [Kyats]

NUMERIC: INTEGER d404b

E d103b>0
V1 $v1kto100k
M1 Check your per acre cost, Please confirm.

d404c. What was the average total labor cost for threshing ONE ACRE of monsoon paddy in 2012? [Kyats]

NUMERIC: INTEGER d404c

E d103c>0
V1 $v1kto100k
M1 Check your per acre cost, Please confirm.

D5. LABOR AVAILABILITY

D5. LABOR AVAILABILITY

MODE OF HIRING

d502a. How did the majority of farmers hire agricultral labor to harvest the main monsoon season crop in this village in 2016?

SINGLE-SELECT d502a

01 ○ Farmer contacts laborers directly
02 ○ Farmer hires through a labor broker
03 ○ Mix of direct hire & labor broker

d502b. How did the majority of farmers hire agricultral labor to harvest the main monsoon

SINGLE-SELECT d502b

season crop in this village in 2014?

01 ○ Farmer contacts laborers directly
02 ○ Farmer hires through a labor broker
03 ○ Mix of direct hire & labor broker

d502c. How did the majority of farmers hire agricultral labor to harvest the main monsoon season crop in this village in 2012?

SINGLE-SELECT d502c

01 ○ Farmer contacts laborers directly
02 ○ Farmer hires through a labor broker
03 ○ Mix of direct hire & labor broker

D5. LABOR AVAILABILITY

ADVANCE PAYMENT

d503a. What percentage of farmers gave advance payment to workers to harvest the main monsoon season crop in 2016 (%)?

NUMERIC: INTEGER d503a

V1 $percent
M1 Please enter a percentage in the range 0-100

d503b. What percentage of farmers gave advance payment to workers to harvest the main monsoon season crop in 2014 (%)?

NUMERIC: INTEGER d503b

V1 $percent
M1 Please enter a percentage in the range 0-100

d503c. What percentage of farmers gave advance payment to workers to harvest the main monsoon season crop in 2012 (%)?

NUMERIC: INTEGER d503c

V1 $percent
M1 Please enter a percentage in the range 0-100

D5. LABOR AVAILABILITY

WAIT - MONSOON

d504a. If a farming household decided to hire ten men to harvest the main monsoon season crop, how many days would they usually have to wait in order to do so in 2016 [days]?

NUMERIC: INTEGER d504a

V1 self<50 || self==9997
M1 Wait over 50 days?

d505a. If a farming household decided to hire ten women to harvest the main monsoon season crop, how many days would they usually have to wait in order to do so in 2016 [days]?

NUMERIC: INTEGER d505a

V1 self<50 || self==9997
M1 Wait over 50 days?

d504b. If a farming household decided to hire ten men to harvest the main monsoon season crop, how many days would they usually have to wait in order to do so in 2014 [days]?

NUMERIC: INTEGER d504b

V1 self<50 || self==9997
M1 Wait over 50 days?

d505b. If a farming household decided to hire ten women to harvest the main monsoon season crop, how many days would they usually have to wait in order to do so in 2014 [days]?

NUMERIC: INTEGER d505b

V1 `self<50 || self==9997`
M1 Wait over 50 days?

d504c. If a farming household decided to hire ten men to harvest the main monsoon season crop, how many days would they usually have to wait in order to do so in 2012 [days]?

NUMERIC: INTEGER d504c

V1 `self<50 || self==9997`
M1 Wait over 50 days?

d505c. If a farming household decided to hire ten women to harvest the main monsoon season crop, how many days would they usually have to wait in order to do so in 2012 [days]?

NUMERIC: INTEGER d505c

V1 `self<200 || self == 9997`
M1 Wait over 200 days?

D5. LABOR AVAILABILITY

FIND JOB - MONSOON SEASON

d508a. If a man wished to find agricultural work during the harvest of the main monsoon season crop, how many days would they usually have to wait in order to do so in year 2016?

NUMERIC: INTEGER d508a

V1 `self<200 || self==9997`
M1 Wait over 200 days?

d509a. If a woman wished to find agricultural work during the harvest of the main monsoon season crop, how many days would they usually have to wait in order to do so in year 2016?

NUMERIC: INTEGER d509a

V1 `self<200 || self==9997`
M1 Wait over 200 days?

d508b. If a man wished to find agricultural work during the harvest of the main monsoon season crop, how many days would they usually have to wait in order to do so in year 2014?

NUMERIC: INTEGER d508b

V1 `self<200 || self==9997`
M1 Wait over 200 days?

d509b. If a woman wished to find agricultural work during the harvest of the main monsoon season crop, how many days would they usually have to wait in order to do so in year 2014?

NUMERIC: INTEGER d509b

V1 `self<200 || self==9997`
M1 Wait over 200 days?

d508c. If a man wished to find agricultural work during the harvest of the main monsoon season crop, how many days would they

NUMERIC: INTEGER d508c

usually have to wait in order to do so in year 2012?

V1 `self<200 || self == 9997`
M1 Wait over 200 days?

d509c. If a woman wished to find agricultural work during the harvest of the main monsoon season crop, how many days would they usually have to wait in order to do so in year 2012?

NUMERIC: INTEGER d509c

V1 `self<200 || self==9997`
M1 Wait over 200 days?

E. AG BUSINESS INVENTORY

E. AG BUSINESS INVENTORY
E1. VILLAGE LEVEL AGRICULTURE BUSINESS INVENTORY

e101. Have there been any [...business...] operating in the village during the past ten years?

MULTI-SELECT: YES/NO e101

- 01 ☐ / ☐ Rice mill (Huller)
- 02 ☐ / ☐ Oil mill (Small)
- 03 ☐ / ☐ Thresher (Peanut)
- 04 ☐ / ☐ Thresher (Paddy & Pulses)
- 05 ☐ / ☐ Households with two wheel tractors for hire
- 06 ☐ / ☐ Households with four wheel tractors for hire
- 07 ☐ / ☐ Households with combine harvesters for hire
- 08 ☐ / ☐ Households with trawlerji for hire
- 09 ☐ / ☐ Truck transport services for hire
- 10 ☐ / ☐ Tree nursery
- 11 ☐ / ☐ Fish farm
- 12 ☐ / ☐ Commercial Melon Farm
- 13 ☐ / ☐ Piglet rearing
- 14 ☐ / ☐ Bee keeping
- 15 ☐ / ☐ Agricultral inputs shop

E. AG BUSINESS INVENTORY / E1. VILLAGE LEVEL AGRICULTURE BUSINESS INVENTORY
Roster: AGRICULTURE RELATED BUSINESSES IN VILLAGE
generated by multi-select question e101 E_AgBus1

e102a How many of [%rostertitle%] are there currently in the village?

NUMERIC: INTEGER e102a

V1 `self<=c102a & self>=0`
M1 Your value is higher than number of Household, Check again!!!!

e102b How many of [%rostertitle%] were there 5 years ago in the village?

NUMERIC: INTEGER e102b

V1 `self<=c102b`
M1 Your value is higher than number of household 5 year ago, Check agai n!!!

e102c How many of [%rostertitle%] were there 10 years ago in the village?

NUMERIC: INTEGER e102c

V1 self<=c102c

M1 Your value is higher than number of household 10 year ago, Check aga in!!!

E. AG BUSINESS INVENTORY

E2. NEAREST URBAN AREA AGRICULTURE BUSINESS INVENTORY

e103 Have there been any [...business...] operating in [%c400a%] during the past ten years?

MULTI-SELECT: YES/NO e103

15 ☐ / ☐ Rice mill (Medium/Large)

16 ☐ / ☐ Oil mill (Medium/Large)

17 ☐ / ☐ Agricultural machinery supplier

E. AG BUSINESS INVENTORY / E2. NEAREST URBAN AREA AGRICULTURE BUSINESS INVENTORY

Roster: AGRICULTURE RELATED BUSINESSES IN URBAN AREA

generated by multi-select question e103 E_AgBus2

e104a How many of [%rostertitle%] are there currently in [%c400a%]?

NUMERIC: INTEGER e104a

e104b How many of [%rostertitle%] were there 5 years ago in [%c400a%]?

NUMERIC: INTEGER e104b

e104c How many of [%rostertitle%] were there 10 years ago in [%c400a%]?

NUMERIC: INTEGER e104c

F. LAND OWNERSHIP

f100 Is there any agricultural land within this village operated by people who live outside of the village?

SINGLE-SELECT f100

01 ○ Yes

02 ○ No

F. LAND OWNERSHIP

FARMS OPERATED BY PEOPLE FROM OUTSIDE THE VILLAGE

E f100==1

f101a. How many farms are there operated by people who live outside the village now?

E f100==1

NUMERIC: INTEGER f101a

f102a. What area of agricultural land is operated by people from outside the village now?

E f100==1

V1 $under100k

M1 Value higher than 100000 not likely. Check your answer!

NUMERIC: INTEGER f102a

f103a. What were the main crops grown on these farms? (List up to 4 crops, in order of importance)

E f100==1

MULTI-SELECT: ORDERED f103a

01 ☐ Melon

02 ☐ Cucumber

03 ☐ Bottle gourd

04 ☐ Sweetcorn

05 ☐ Other vegetables

06 ☐ Groundnuts (edible)
07 ☐ Paddy
99 ☐ Other (specify)

f103as. Specify if other

E f103a.Contains(99)

TEXT f103as

f101b. How many farms were there operated by people who live outside the village 5 years ago?

E f100==1

NUMERIC: INTEGER f101b

f102b. What area of agricultural land was operated by people from outside the village five years ago?

E f101b!=0
V1 $vland
M1 Value higher than 5000 not likely. Check your answer!

NUMERIC: INTEGER f102b

f103b. What was the main crop grown on these farms five years ago? (List up to 4 crops, in order of importance)

F f101b<0 || f101b != 9997
E f101b!=0

MULTI-SELECT: ORDERED f103b
01 ☐ Melon
02 ☐ Cucumber
03 ☐ Bottle gourd
04 ☐ Sweetcorn
05 ☐ Other vegetables
06 ☐ Groundnut
07 ☐ Paddy
99 ☐ Other (specify)

f103bs. Specify if other

E f103b.Contains(99)

TEXT f103bs

f104. Where do people from outside the village who operate land in this village originate from (list up to three in order of importance)?

E f100==1

MULTI-SELECT: ORDERED f104
01 ☐ Mandalay
02 ☐ Magwe
03 ☐ Monywa
04 ☐ China
05 ☐ Nearby village
99 ☐ Other (Specify)
97 ☐ Do not know

f104s. specify (if answered 99)

E f104.Contains(99)

TEXT f104s

G - CREDIT

g101 Did households in the village ever take credit from any of the following?

MULTI-SELECT g101
01 ☐ Myanmar Agricultural Development Bank (MADB)
02 ☐ Private banks
03 ☐ Microfinance institutions/ NGOs
04 ☐ Cooperatives (through Ministry of Cooperatives)
05 ☐ Revolving fund

06 ☐ Private moneylenders
07 ☐ Gold shop/pawn shop
08 ☐ Agriculture produce traders
09 ☐ Friends / Relatives

G - CREDIT

Roster: ROSTER OF FINANCIAL INSTITUTIONS

generated by multi-select question g101 — G_Credit1

g102. Do households take credit from that source currently? — SINGLE-SELECT — g102
01 ○ Yes
02 ○ No

g103. How far away is the nearest [%rostertitle%] currently IN MILES? — NUMERIC: DECIMAL — g103

I If in village write 0.0
E g102==1 && @rowcode!=9
V1 $mile
M1 Distance is more than 50 miles !!!

g104. What interest rate might someone in the community expect to pay for a MMK 100,000 loan from [%rostertitle%]? — NUMERIC: DECIMAL — g104

E g102==1 && @rowcode!=1
V1 $percent
M1 Please enter a percentage with at most one decimal place

g104b. Percent — SINGLE-SELECT — g104b

E g102==1 & g104!=0 & g104!=9997

01 ○ Per Month
02 ○ Per Year

g105. Did households take credit from %rostertitle% 5 years ago? — SINGLE-SELECT — g105
01 ○ Yes
02 ○ No

g106. How far away was the nearest [%rostertitle%] 5 years ago IN MILES? — NUMERIC: DECIMAL — g106

I If in village write 0.0
E g105==1 && @rowcode!=9
V1 $mile
M1 Distance is more than 50 miles !!!!!

g107. What interest rate might someone expect to pay for a MMK 100,000 loan from [%rostertitle%] five years ago? — NUMERIC: DECIMAL — g107

E g105==1 && @rowcode!=1
V1 $percent
M1 Please enter a percentage with at most one percentage point

g107b. Percent — SINGLE-SELECT — g107b

E g105==1 & g107!=0 & g107 != 9997

01 ○ Per Month
02 ○ Per Year

g100s. Did households in the village ever take credit from any other source? — SINGLE-SELECT — g100s
01 ○ yes
02 ○ no

g101s. Please specify up to three such other sources of credit: — LIST — g101s

E g100s==1

G - CREDIT

Roster: ROSTER OF FINANCIAL INSTITUTIONS

generated by list question g101s

G_Credit2

E g100s==1

g102s. Do households take credit from that source currently?

SINGLE-SELECT g102s

01 ○ Yes
02 ○ No

g103. How far away is the nearest [%rostertitle%] currently IN MILES - if here write 0.0?

NUMERIC: DECIMAL g103s

E g102s==1 && @rowcode!=9
V1 $mile
M1 Distance is more than 50 miles !!!!!

g104s. What interest rate might someone in the community expect to pay for a MMK 100,000 loan from [%rostertitle%]?

NUMERIC: DECIMAL g104s

E g102s==1
V1 $percent
M1 Please enter a percentage with at most one decimal place

g104bs. Unit

SINGLE-SELECT g104bs

E g102s==1 & g104s!=0 & g104s!=9997

01 ○ Per Month
02 ○ Per Year

g105s. Did households take credit from %rostertitle% 5 years ago?

SINGLE-SELECT g105s

01 ○ Yes
02 ○ No

g106s. How far away was the nearest [%rostertitle%] 5 years ago IN MILES - if here write 0.0?

NUMERIC: DECIMAL g106s

E g105s==1 && @rowcode!=9
V1 $mile
M1 Distance is more than 50 miles !!!!!

g107s. What interest rate might someone expect to pay for a MMK 100,000 loan from [%rostertitle%] five years ago?

NUMERIC: DECIMAL g107s

E g105s==1
V1 $percent
M1 Please enter a percentage with at most 1 percentage point

g107bs. Unit

SINGLE-SELECT g107bs

E g105s==1 & g107s!=0 & g107s!=9997

01 ○ Per Month
02 ○ Per Year

H - NON-FARM BUSINESS INVENTORY

h101. Have there been any [...business...] operating in the village during the past ten years?

MULTI-SELECT: YES/NO h101

01 ☐ / ☐ Village shop (food, soap, etc)

02 ☐ / ☐ Electronic shop
03 ☐ / ☐ Hardware shop
04 ☐ / ☐ Paddy Trader
05 ☐ / ☐ Pulses/oilseeds trader
06 ☐ / ☐ Vegetables/fruits trader
07 ☐ / ☐ Livestock, poultry or meat trader
08 ☐ / ☐ Timber/bamboo seller
09 ☐ / ☐ Charcoal/firewood selling
10 ☐ / ☐ Fish processing (drying, paste making)
11 ☐ / ☐ Teashop
12 ☐ / ☐ Betel nut kiosk
13 ☐ / ☐ Prepared food stall (mohinga, bbq, snacks)
14 ☐ / ☐ Restaurant/bar
15 ☐ / ☐ Bus/ minibus/ car taxi service
16 ☐ / ☐ Motorcycle taxi service

And 12 other [1]

H - NON-FARM BUSINESS INVENTORY

Roster: NON-FARM BUSINESS

generated by multi-select question h101 — H_Nonfarm

h102a. How many %rostertitle% are currently there in this village?

NUMERIC: INTEGER — h102a

V1 (self<c102a & self>=0) || self == 9997
M1 Very high density, check your answer!

h102b. How many %rostertitle% were there in this village 5 year ago?

NUMERIC: INTEGER — h102b

V1 self<c102b || self == 9997
M1 Very high density, check your answer!

h102c. How many %rostertitle% were there in this village 10 year ago?

NUMERIC: INTEGER — h102c

V1 self<c102c || self == 9997
M1 Very high density, check your answer!

I. FARMER ASSOCIATIONS

i101. Are there any of the following type of farmer organization operating in this village?

MULTI-SELECT: YES/NO — i101

01 ☐ / ☐ Central Cooperative Society (CCS)
02 ☐ / ☐ NGO farmer group
03 ☐ / ☐ Myanmar Farmers' Association (MFA)
04 ☐ / ☐ Agriculture and Farmers' Federation (AFFM)
05 ☐ / ☐ Sector organizations (rice federation, livestock federation, etc)
06 ☐ / ☐ Other

I. FARMER ASSOCIATIONS

Roster: FARMER ASSOCIATION ROSTER

generated by multi-select question i101 — I_FarmAssoc

i101a. Identify Other E @rowcode==6	TEXT	i101a
i102. When was [%rostertitle%] established? V1 $year M1 Please enter a YYYY year, orr 9997 for does not know	NUMERIC: INTEGER	i102
i103. How many farmers are members of [%rostertitle%]?	NUMERIC: INTEGER	i103

J. PRICES AND UNITS

j100. In this village, did any farmers sell any of following products from their farms in last 12 months?	MULTI-SELECT 01 ☐ Green gram 02 ☐ Black gram 03 ☐ Peanut (unshelled) 04 ☐ Peanut (shelled) 05 ☐ Chickpea 06 ☐ Pigeon pea 07 ☐ Black sesame 08 ☐ White sesame 09 ☐ Peanut oil 10 ☐ Sesame oil 11 ☐ Rice Bran 12 ☐ Broken rice 13 ☐ Peanut oilcake 14 ☐ Green fodder for cattle	j100

J. PRICES AND UNITS

Roster: PRICE ROSTER

generated by multi-select question j100 — J_PricesUnits

j101. In what unit is [%rostertitle%] usually sold?	SINGLE-SELECT 01 ○ Basket 02 ○ 100 Baskets 03 ○ Bag/sack 04 ○ Viss 05 ○ Kg 06 ○ Pyi 07 ○ Can 08 ○ Piece 09 ○ Bottle 10 ○ Litre 11 ○ Gallon 12 ○ Bundle 99 ○ Other (Specify)	j101
j101s. Specify unit: E j101==99	TEXT	j101s
j102. What is the price of one %j101% of [%rostertitle%]? [KYATS]	NUMERIC: INTEGER	j102

V1 self<1000000

M1 Check your answer! (More than MMK 100000 per unit)

j103. How many [standard unit] are there in one %j101% of %rostertitle%? (choose standard unit below)

NUMERIC: INTEGER j103

E j101.InList(1,2,3,8,9,12,99)

Standard unit

SINGLE-SELECT j103b

E j101.InList(1,2,3,8,9,12,99)

01 ○ Viss
02 ○ Pyi
03 ○ Can
04 ○ Pound
05 ○ Kg
06 ○ Gram
07 ○ Litre
08 ○ Gallon
09 ○ Piece

K. CLIMATE CHANGE

k101. Have you noticed any long-term (last 30 years) shifts in the mean temperature in the region?

SINGLE-SELECT k101

01 ○ YES
02 ○ NO

k101a. what kind of long-term shift in the mean temperature did you notice?

SINGLE-SELECT k101a

E k101==1

01 ○ Highly increasing temperature
02 ○ Slightly increasing temperature
03 ○ Slightly decreasing temperature
04 ○ Highly decreasing temperature

k102.Have you noticed any long-term shifts (last 30 years) in the mean rainfall in the region?

SINGLE-SELECT k102

01 ○ YES
02 ○ NO

k102a. what kind of long-term shift in the mean rainfall did you notice?

SINGLE-SELECT k102a

E k102==1

01 ○ Highly decreasing rainfall
02 ○ Slightly decreasing rainfall
03 ○ Slightly increasing rainfall
04 ○ Highly increasing rainfall
05 ○ Erratic (unpredictable) rainfall

k103. Have you noticed any long-term shifts (last 30 years) in the frequency of flooding in the region?

SINGLE-SELECT k103

01 ○ YES
02 ○ NO

k103a. What kind of long-term shift in the frequency of flooding did you notice?

SINGLE-SELECT k103a

E k103==1

01 ○ Much more frequent flooding
02 ○ Slightly more frequent flooding
03 ○ Slightly less frequent flooding
04 ○ Much less frequent flooding

k104. Have you noticed any long-term shifts (last 30 years) in the frequency of droughts in the region?

SINGLE-SELECT k104

01 ○ YES
02 ○ NO

k104a. What kind of long-term shift in the frequency of flooding did you notice?

E k104==1

SINGLE-SELECT k104a

01 ○ Much more frequent droughts
02 ○ Slightly more frequent droughts
03 ○ Slightly less frequent droughts
04 ○ Much less frequent droughts

k105. Have you noticed any long-term shifts (last 30 years) in the frequency of late monsoon in the region?

SINGLE-SELECT k105

01 ○ YES
02 ○ NO

k105a. What kind of long-term shift in the frequency of late monsoon did you notice?

E k105==1

SINGLE-SELECT k105a

01 ○ Much more frequent late monsoon
02 ○ Slightly more frequent late monsoon
03 ○ Slightly less frequent late monsoon
04 ○ Much less frequent late monsoon

k106. Have you noticed any long-term shifts (last 30 years) in the frequency of hailstorms in the region?

SINGLE-SELECT k106

01 ○ YES
02 ○ NO

k106a. What kind of long-term shift in the frequency of hailstorms did you notice?

E k106==1

SINGLE-SELECT k106a

01 ○ Much more frequent hailstorms
02 ○ Slightly more frequent hailstorms
03 ○ Slightly less frequent hailstorms
04 ○ Much less frequent hailstorms

k107. Have you noticed any long-term shifts (last 30 years) in the frequency of storms/cyclones in the region?

SINGLE-SELECT k107

01 ○ YES
02 ○ NO

k107a. What kind of long-term shift in the frequency of hailstorms did you notice?

E k107==1

SINGLE-SELECT k107a

01 ○ Much more frequent storms/cyclones
02 ○ Slightly more frequent storms/cyclones
03 ○ Slightly less frequent storms/cyclones
04 ○ Much less frequent storms/cyclones

K. CLIMATE CHANGE

Roster: CLIMATE EVENTS

generated by fixed list K1_Climate

01 Flood
02 Drought
03 Late Monsoon
04 Hail-storm

05 Storm or Cyclone

k108. Did you experience %rostertitle% in the period 2012-2016?

SINGLE-SELECT k108

01 ○ Yes
02 ○ No

k108a. On how many occasions did you experience %rostertitle% in 2012-2016?

NUMERIC: INTEGER k108a

E k108==1
V1 (((long?)@rowcode).InList(2,3) && self<=5) || (((long?)@rowcode).InList(1,4,5) && self <=10)
M1 not a plausible value

k109. Did you experience %rostertitle% in the period 2007-2011?

SINGLE-SELECT k109

01 ○ Yes
02 ○ No

k109a. On how many occasions did you experience %rostertitle% in 2007-2011?

NUMERIC: INTEGER k109a

E k109==1
V1 (((long?)@rowcode).InList(2,3) && self<=5) || (((long?)@rowcode).InList(1,4,5) && self <=10)
M1 not a plausible value

k200. Which of the following crops were grown in the village within the last 10 years?

MULTI-SELECT k200

01 ☐ Sesame
02 ☐ Monsoon Rice
03 ☐ Summer Rice
04 ☐ Groundnut
05 ☐ Green-gram
06 ☐ Black-gram
07 ☐ Pigeon Peas

K. CLIMATE CHANGE

Roster: K2 CLIMATE AND CROPS

generated by multi-select question k200 K2_ClimateCrops

k201a. In the past 10 years, what is the average yield of %rostertitle% under good climate conditions? [basket/acre]

NUMERIC: INTEGER k201a

k201b. In the past 10 years, what is the average yield of %rostertitle% under average climate conditions? [basket/acre]

NUMERIC: INTEGER k201b

V1 self <= k201a
M1 Average yield cannot be better than good yield. Please check.

k201c. In the past 10 years, what is the average yield of %rostertitle% under bad climate conditions?[basket/acre]

NUMERIC: INTEGER k201c

V1 self <= k201b
M1 bad yield cannot be better than average yield. Please check.

k202a. Of the past 10 years, how many were good years for %rostertitle% in terms of climate conditions?

NUMERIC: INTEGER k202a

V1 self <=10
M1 Answer must be less than 10

k202b. Of the past 10 years, how many were average years for %rostertitle% in terms of climate conditions?

NUMERIC: INTEGER k202b

V1 `self <=10`
M1 Answer must be less than 10

k202c. Of the past 10 years, how many were bad years for %rostertitle% in terms of climate conditions?

NUMERIC: INTEGER k202c

V1 `self <=10`
M1 Answer must be less than 10 years
V2 `(k202a + k202b + k202c) ==10`
M2 ANSWERS TO THREE PREVIOUS QUESTIONS MUST ADD UP TO 10

k203. Have the following climate resilience measures been carried out in this village?

MULTI-SELECT k203

- 01 ☐ Community led water harvesting tanks making
- 02 ☐ Other irrigation management strategies
- 03 ☐ Community led fumigation practices
- 04 ☐ Use of drought resistance varieties
- 05 ☐ Use of short period varieties
- 06 ☐ Use of indigenous varieties
- 99 ☐ Other strategies (specify)

k204. Specify the other measures:

TEXT k204

E `k203.Contains(99)`

END THE INTERVIEW

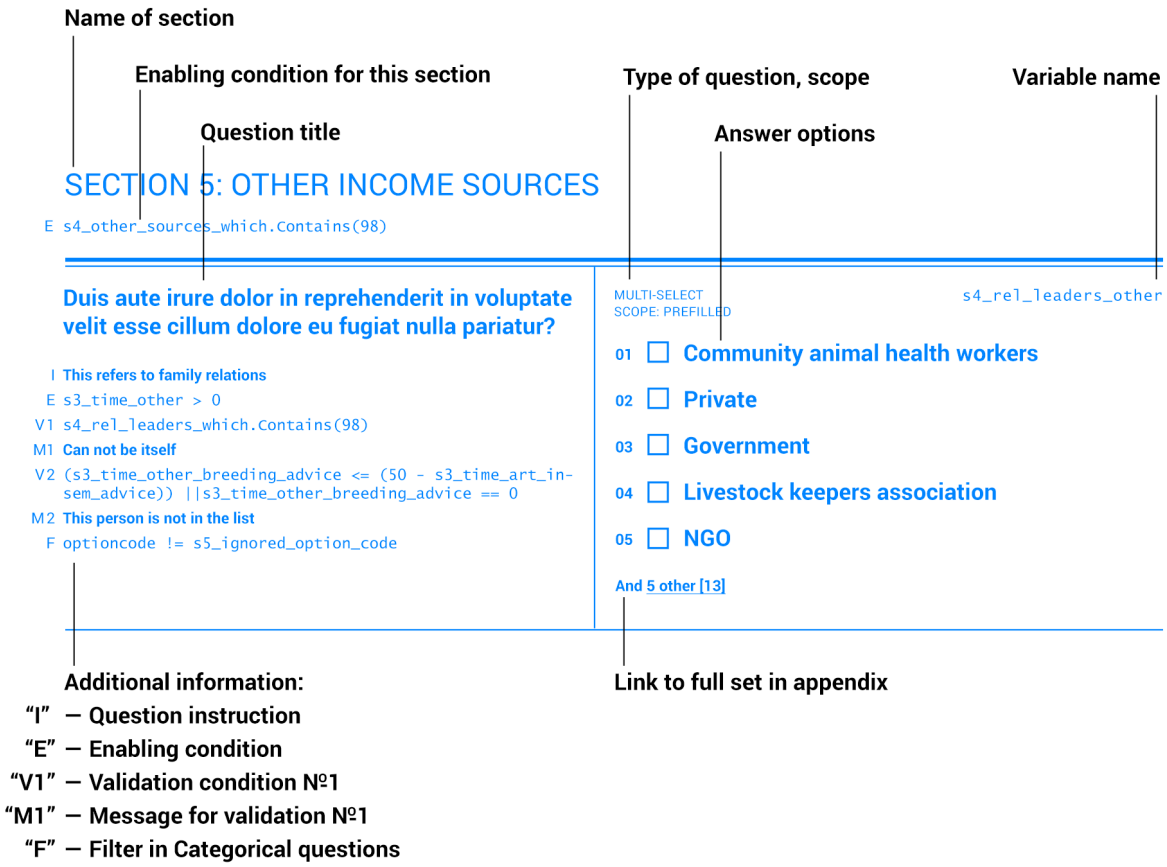
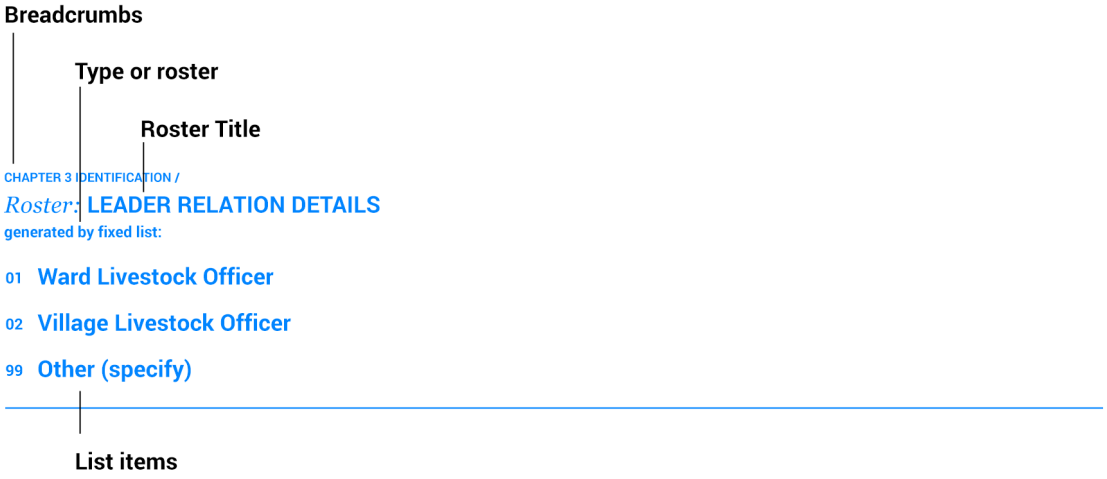
a109. End time of the interview

DATE: CURRENT TIME a109

APPENDIX A — OPTIONS

[1] h101: h101. Have there been any [...business...] operating in the village during the past ten years?

Options: 1:Village shop (food, soap, etc), 2:Electronic shop, 3:Hardware shop, 4:Paddy Trader, 5:Pulses/oilseeds trader, 6:Vegetables/fruits trader, 7:Livestock, poultry or meat trader, 8:Timber/bamboo seller, 9:Charcoal/firewood selling, 10:Fish processing (drying, paste making), 11:Teashop, 12:Betel nut kiosk, 13:Prepared food stall (mohinga, bbq, snacks), 14:Restaurant/bar, 15:Bus/ minibus/ car taxi service, 16:Motorcycle taxi service, 17:Horsecart/ bullock cart taxi service, 18:Carpenter / mason, 19:Thatcher/ matmaking, 20:Weaver/ spinning, 21:Metal worker (blacksmith, tinsmith), 22:Other handicraft production, 23:Ceremony decoration/ music service, 24:Hairdresser/ beauty saloon, 25:Construction business owner, 26:Mechanic, 27:Phone service/ internet cafe, 28:Labour broker,

LEGEND

Legend and structure of information in this file