

The role of space and time in the interaction of farmers' management decisions and bee communities: Evidence from South India

Landscape Ecology

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Online Resource 3 Questionnaire of the first socioeconomic survey, 1,275 households, December 2016 and May 2017

SCREEN1:Introduction and Time Stamp

Introduction and Time Stamp Q.1

visit_num

Survey

Interviewer: Is this the first time you visit the household?

(1)Yes,(2)No

Introduction and Time Stamp Q.2

dec_mak

Survey

*Are you the main decisionmaker of the household?**Interviewer: Find the main decisionmaker. If you cannot, try to reschedule and end + save interview.*

(1)Yes,(2)No

Introduction and Time Stamp Label

Interviewer: Read the following text before every interview you start.

Introduction and Time Stamp Label

We are researchers from Göttingen University in Germany, and the University of Agricultural Sciences GKV Bangalore. We are conducting research that tries to understand urbanization and the related processes in agriculture, environment and society.

This will be important as future development policies are designed. Right now, you personally can also earn mobile cards for participating in the interview and some experiments within it.

For the interview, we would like to ask you and your spouse some questions on some more general facts and some personal opinions. We would ask you to answer as truthfully as you can, but there is no right and wrong answer. We would in addition like to take some measurements on adults and childrens weight and height. Your participation in this interview is entirely voluntary. Your responses will be treated with utmost confidentiality and the data will be used for research purposes only.

Introduction and Time Stamp Q.3

part_confirm

Survey

Enable if :current.dec_mak = 1

Would you like to participate in the interview?

(1)Yes,(2)No

Introduction and Time Stamp Q.4

revisit

Survey

Enable if :current.part_confirm = 2 or current.dec_mak = 2

May we come back at a time of your choice? Note down date and time.

Introduction and Time Stamp Q.5

revisit_time

Survey

Enable if :current.part_confirm = 2
and current.revisit IS NULL*May we ask for your reasons for refusing?*

Introduction and Time Stamp Label

Interviewer: If rescheduling or interview declined, stop here!

Introduction and Time Stamp Label

*If participation confirmed: Do you have any questions that we need to clarify?**Interviewer: Make clarifications in case there are questions*

Introduction and Time Stamp Label

*If No, do you agree to take part in this survey,including the interviews and the measurements of adults and children?**If yes, then please sign the sheet provided by the interviewer.*

Introduction and Time Stamp Label		<i>Interviewer: Make sure that the sheet is signed.</i>
Introduction and Time Stamp Q.6 name_interviewed Survey		<i>Interviewer: Note down the name of the decision maker/person who is going to be interviewed for the first part of the questionnaire.</i>
Introduction and Time Stamp Q.7 phonenumber Survey		<i>Interviewer: Note down the phone number</i>
Introduction and Time Stamp Q.8 gps_id_north Survey		<i>Interviewer: Insert full identification number of the used GPS device. Enter GPS North</i>
Introduction and Time Stamp Q.9 gps_id_east Survey		<i>Interviewer: Insert full identification number of the used GPS device. Enter GPS East</i>
Introduction and Time Stamp Q.10 GPS_device_HH Survey		<i>GPS device</i>
Introduction and Time Stamp Q.11 hh_waypoint Survey		<i>Indicate the waypoint on the GPS device</i>
Introduction and Time Stamp Q.12 time_interview Survey		<i>Interviewer: Press the "get time" button before you start.</i>
END SCREEN 1:Introduction and Time Stamp		
SCREEN2:Household characteristics and income composition		
Household characteristics and income composition Q.1 hh_mem_no Survey		<i>How many people are permanently staying in the house?</i>
Household characteristics and income composition Q.2 hh_mem_same_rel Survey		<i>Do all hh members have the same religion?</i> (1)Yes,(2)No
Household characteristics and income composition Q.3 religion Survey Enable if :NOT (current.hh_mem_same_rel = 2)		<i>Religion</i> (1)Hindu,(2)Muslim,(3)Christian,(4)Buddhist,(5)Other (Specify),(-99)NA
Household characteristics and income composition Q.4 caste_mem_same Survey		<i>Do all hh members belong to the same caste?</i> (1)Yes,(2)No
Household characteristics and income composition Q.5 caste Survey Enable if :NOT (current.caste_mem_same = 2)		<i>Caste</i> (1)General,(2)SC,(3)ST,(4)OBC,(5)None of them,(6)Don't know,(7)Other Specify

Household characteristics and income composition Label

One is a hh member when under the care of the hh head by means of food and shelter and generally lives and eats their meals together. Moreover, he/she should not have been away for more than 10 month in the past 12 month.

Household characteristics and income composition Label

Insert the decision maker/interviewed person as first person in the following roster (ID =1).

START ROSTER 2.1:Please indicate detailed information of all household members.

Please indicate detailed information of all household members. Q.6

What is the name?

name_hhmember

Household_Members

Please indicate detailed information of all household members. Q.7

Gender

hhm_sex

Household_Members

(1)Male,(0)Female

Please indicate detailed information of all household members. Q.8

Relationship to head of the household?

rel_hh_head

Household_Members

(1)Household Head,(2)Spouse,(3)Son/Daughter,(4)Son/Daughter in law,(5)Father/Mother,(6)Brother/sister,(7)Grandchild,(8)Grandparent,(9)Step Child,(10)Step Parent,(11)Father/Mother in Law,(12)Others(Specify)

Please indicate detailed information of all household members. Q.9

Age

Age

Household_Members

Please indicate detailed information of all household members. Q.10

Age Unit

hhm_age_yrs_mnths

Household_Members

(1)Days,(2)Months,(3)Years

Please indicate detailed information of all household members. Q.11

Marital Status

mar_stat

Household_Members

Enable if :current.age >=15 AND current.hhm_age_yrs_mnths = 3

(1)Married,(2)Not Married,(3)Divorced,(4)Widowed,(5)Other (specify)

Please indicate detailed information of all household members. Q.12

Mother's name

hhmid_mother

Household_Members

Enable if :(current.age < 15 AND current.hhm_age_yrs_mnths = 3) OR current.hhm_age_yrs_mnths IN (1,2)

Please indicate detailed information of all household members. Q.13

Can the person read and write?

literacy

Household_Members

Enable if :current.age >= 6 AND current.hhm_age_yrs_mnths = 3

(1)Yes,(2)No

Please indicate detailed information of all household members. Q.14

Years of formal education

educ

Household_Members

Enable if :current.hhm_age_yrs_mnths=3 AND current.age >=6

Please indicate detailed information of all household members. Q.15

degree_obtained **Household_Members**

Enable if :current.age >= 6 AND current.hhm_age_yrs_mnth = 3

highest degree obtained

(1)Illiterate,(2)Literate but no FORMAL schooling OR Primary school (4th grade),(3)High school (5th to 9th),(4)SSC/HSC (10th-12th),(5)Diploma but NOT Graduate,(6)GENERAL Graduate/Post Graduate,(7)PROFESSIONAL Graduate/Post Graduate

SCREEN2.1.1:Occupation

Enable if :current.Age >=10 AND current.hhm_age_yrs_mnth = 3

Occupation Label

[Select name_hhmember from Household_Members where HHMID = current.HHMID]

Occupation Q.1

main_occ **Household_Members**

What is your main Occupation?

(1)Farming on own farm,(2)Fishing,(3)Hunting,(4)Housewife,(5)Permanent labor on another farm,(6)Casual labor on another farm,(7)Off-farm own business,(8)Off-farm subcontracting,(9)Salaried employment (private sector),(10)Salaried employment (public sector),(11)Student/school,(12)Unemployment,(13)Unable to work,(14)Other (Specify),(15)None

Occupation Q.2

work_main_occ **Household_Members**

Enable if :current.main_occ not in (11, 12, 13, 15)

How many years do you already work in your main occupation?

Occupation Q.3

worked_main_occ **Household_Members**

Enable if :current.main_occ not in (11, 12, 13, 15)

How many hours per day do you work in your main occupation?

Occupation Q.4

pay_freq_first_occ **Household_Members**

Enable if :current.main_occ not in (4, 11, 12, 13, 15)

How often do you get payed? (Also income interval for own farm or own business!)

(1)daily,(2)weekly,(3)monthly,(4)yearly

Occupation Q.5

amount_paid_first_occ **Household_Members**

Enable if :current.main_occ not in (4, 11, 12, 13, 15)

How much are you paid? (INR)

Occupation Q.6

add_occ **Household_Members**

Do you have additional occupation(s)?

(1)Yes,(2)No

Occupation Q.7

no_add_occ **Household_Members**

Enable if :current.add_occ = 1

How many?

Occupation Q.8

second_occ **Household_Members**

Enable if :current.no_add_occ >= 1

What is your second occupation?

(1)Farming on own farm,(2)Fishing,(3)Hunting,(4)Housewife,(5)Permanent labor on another farm,(6)Casual labor on another farm,(7)Off-farm own business,(8)Off-farm subcontracting,(9)Salaried employment (private sector),(10)Salaried employment (public sector),(11)Student/school,(12)Unemployment,(13)Unable to work,(14)Other (Specify),(15)None

Occupation Q.9

work_second_occ **Household_Members**

Enable if :current.no_add_occ >= 1 and
current.second_occ not in (11, 12, 13, 15)

How many years do you already work in your second occupation?

Occupation Q.10 worked_second_occ Household_Members Enable if :current.no_add_occ >= 1 and current.second_occ not in (11, 12, 13, 15)	<i>How many hours per day do you work in your second occupation?</i>
Occupation Q.11 pay_freq_second_occ Household_Members Enable if :current.no_add_occ >= 1 AND current.second_occ not in (4, 11, 12, 13, 15)	<i>How often do you get payed? (Also income interval for own farm or own business!)</i> (1)daily,(2)weekly,(3)monthly,(4)yearly
Occupation Q.12 amount_paid_second_occ Household_Members Enable if :current.no_add_occ >= 1 AND current.second_occ not in (4, 11, 12, 13, 15)	<i>How much are you paid? (INR)</i>
Occupation Q.13 third_occ Household_Members Enable if :current.no_add_occ >= 2	<i>What is your third occupation?</i> (1)Farming on own farm,(2)Fishing,(3)Hunting,(4)Housewife,(5)Permanent labor on another farm,(6)Casual labor on another farm,(7)Off-farm own business,(8)Off-farm subcontracting,(9)Salaried employment (private sector),(10)Salaried employment (public sector),(11)Student/school,(12)Unemployment,(13)Unable to work,(14)Other (Specify),(15)None
Occupation Q.14 work_third_occ Household_Members Enable if :current.no_add_occ >= 2 and current.third_occ not in (11, 12, 13, 15)	<i>How many years do you already work in your third occupation?</i>
Occupation Q.15 worked_third_occ Household_Members Enable if :current.no_add_occ >= 2 and current.third_occ not in (11, 12, 13, 15)	<i>How many hours per day do you work in your third Occupation?</i>
Occupation Q.16 pay_freq_third_occ Household_Members Enable if :current.no_add_occ >= 2 And current.third_occ not in (4, 11, 12, 13, 15)	<i>How often do you get payed? (Also income interval for own farm or own business!)</i> (1)daily,(2)weekly,(3)monthly,(4)yearly
Occupation Q.17 amount_paid_third_occ Household_Members Enable if :current.no_add_occ >= 2 And current.third_occ not in (4, 11, 12, 13, 15)	<i>How much are you paid? (INR)</i>
Occupation Label	<i>Bonus from any occupation.</i>
Occupation Q.18 bonus_recieved Household_Members Enable if :current.main_occ not in (1, 4, 11, 12, 13, 15) or current.second_occ not in (1, 4, 11, 12, 13, 15) or current.third_occ not in (1, 4, 11, 12, 13, 15)	<i>Was a bonus recieved? (Please give the value of Bonus or other item recieved)</i>
Occupation Label	<i>Previous occupations.</i>
Occupation Q.19 previous_occ Household_Members Enable if :current.HHMID = 1	<i>Are there any previous occupation(s)?</i> (1)Yes,(2)No

Occupation Q.20

no_previous_occupation **Household_Members**

Enable if :current.previous_occ = 1

How many?

Occupation Q.21

first_prev_occ **Household_Members**

Enable if :current.no_previous_occupation >= 1

Previous occupation

(1)Farming on own farm,(2)Fishing,(3)Hunting,(4)Housewife,(5)Permanent labor on another farm,(6)Casual labor on another farm,(7)Off-farm own business,(8)Off-farm subcontracting,(9)Salaried employment (private sector),(10)Salaried employment (public sector),(11)Student/school,(12)Unemployment,(13)Unable to work,(14)Other (Specify),(15)None

Occupation Q.22

sec_prev_occ **Household_Members**

Enable if :current.no_previous_occupation >= 2

Second previous occupation

(1)Farming on own farm,(2)Fishing,(3)Hunting,(4)Housewife,(5)Permanent labor on another farm,(6)Casual labor on another farm,(7)Off-farm own business,(8)Off-farm subcontracting,(9)Salaried employment (private sector),(10)Salaried employment (public sector),(11)Student/school,(12)Unemployment,(13)Unable to work,(14)Other (Specify),(15)None

Occupation Q.23

third_prev_occ **Household_Members**

Enable if :current.no_previous_occupation = 3

Third previous occupation

(1)Farming on own farm,(2)Fishing,(3)Hunting,(4)Housewife,(5)Permanent labor on another farm,(6)Casual labor on another farm,(7)Off-farm own business,(8)Off-farm subcontracting,(9)Salaried employment (private sector),(10)Salaried employment (public sector),(11)Student/school,(12)Unemployment,(13)Unable to work,(14)Other (Specify),(15)None

END SCREEN 2.1.1:Occupation

Please indicate detailed information of all household members. Q.16

months_away **Household_Members***How many months was the person away in last 12 months (but no longer than 10)*

Please indicate detailed information of all household members. Q.17

caste_diff **Household_Members**

Enable if :SELECT caste_mem_same FROM survey = 2

Caste

(1)General,(2)SC,(3)ST,(4)OBC,(5)None of them,(6)Don't know,(7)Other Specify

Please indicate detailed information of all household members. Q.18

religion_diff **Household_Members**

Enable if :Select hh_mem_same_rel FROM survey = 2

Religion

(1)Hindu,(2)Muslim,(3)Christian,(4)Buddhist,(5)Other (Specify),(-99)NA

END ROSTER 2.1:Please indicate detailed information of all household members.

Household characteristics and income composition Q.19

Other_Members **Survey**

[Go To [time_in_village] if:current.Other_Members = 2]

Are there family members who do not permanently stay in the household, i.e. have been away for at least the 10 out of the last 12 months (i.e. not considered in 1.4)?

(1)Yes,(2)No

START ROSTER 2.2:Please give detailed information!

Please give detailed information! Q.20

name_oth_mem **Other_HH_Members***Name of the family member*

Please give detailed information! Q.21	<i>Gender</i>
sex_oth_mem Other_HH_Members	(1)Male,(0)Female
Please give detailed information! Q.22	<i>Relationship to hh head</i>
rel_hh_head_oth_mem Other_HH_Members	(1)Household Head,(2)Spouse,(3)Son/Daughter,(4)Son/Daughter in law,(5)Father/Mother,(6)Brother/sister,(7)Grandchild,(8)Grandparent,(9)Step Child,(10)Step Parent,(11)Father/Mother in Law,(12)Others(Specify)
Please give detailed information! Q.23	<i>Age in years</i>
age_oth_mem Other_HH_Members	
Please give detailed information! Q.24	<i>Place of residence</i>
place_of_res Other_HH_Members	(1)Other country,(2)Other State in India,(3)Other District in Karnataka,(4)Other Village nearby
Please give detailed information! Q.25	<i>Occupation</i>
main_occ_oth_mem Other_HH_Members	(1)Farming on own farm,(2)Fishing,(3)Hunting,(4)Housewife,(5)Permanent labor on another farm,(6)Casual labor on another farm,(7)Off-farm own business,(8)Off-farm subcontracting,(9)Salaried employment (private sector),(10)Salaried employment (public sector),(11)Student/school,(12)Unemployment,(13)Unable to work,(14)Other (Specify),(15)None
Please give detailed information! Q.26	<i>Has the member been sending (1) or receiving (2) money?</i>
mon_send_recieved Other_HH_Members	(1)None of it,(2)Sent,(3)Received
Please give detailed information! Q.27	<i>How much money did the person send / receive during the last twelve months (in INR)?</i>
money_send Other_HH_Members	

END ROSTER 2.2:Please give detailed information!

Household characteristics and income composition Q.28	<i>How long has your family lived in this community / village?</i>
time_in_village Survey	(1)Longer than 30 years,(2)Between 10 and 30 years,(3)Between 2 and 10 years,(4)Between 6 months and 2 years,(5)Less than 6 months
Household characteristics and income composition Q.29	<i>Where did your family live before?</i>
liv_before Survey Enable if :current.time_in_village = 2 OR current.time_in_village = 3 OR current.time_in_village = 4 OR current.time_in_village = 5	(1)Other country,(2)Other State in India,(3)Other District in Karnataka,(4)Other Village nearby
Household characteristics and income composition Q.30	<i>If village nearby: Name</i>
vill_hist Survey Enable if :current.liv_before = 4	
Household characteristics and income composition Q.31	<i>By what means do you usually travel there from here?</i>
means_of_trav Survey Enable if :current.liv_before = 4	(1)Walk,(2)Bicycle,(3)Bus,(4)Auto,(10)Shared vehicle,(5)Car,(6)Train,(7)Motorbike,(9)Other (Specify)

Household characteristics and income composition
Q.32

time_to_travel

Survey

Enable if :current.liv_before = 4

How many hours approximately does that usually take?

Household characteristics and income composition
Q.33

reas_migr

Survey

Enable if :current.time_in_village = 2 OR
current.time_in_village = 3 OR
current.time_in_village = 4 OR
current.time_in_village = 5

What was the main reason for migration?

(1)Family Reunion,(2)Family Dispute,(3)Marriage,(4)Unemployment,(5)Search for a better job,(6)Problems/ Dispute in former Village,(7)Others (Specify)

Household characteristics and income composition
Q.34

inc_bef_mig

Survey

Enable if :current.time_in_village = 2 OR
current.time_in_village = 3 OR
current.time_in_village = 4 OR
current.time_in_village = 5

What was the households main income source before migration?

(1)Farming on own farm,(2)Fishing,(3)Hunting,(4)Housewife,(5)Permanent labor on another farm,(6)Casual labor on another farm,(7)Off-farm own business,(8)Off-farm subcontracting,(9)Salaried employment (private sector),(10)Salaried employment (public sector),(11)Student/school,(12)Unemployment,(13)Unable to work,(14)Other (Specify),(15)None

Household characteristics and income composition
Q.35

improv_curcum

Survey

Enable if :current.time_in_village = 2 OR
current.time_in_village = 3 OR
current.time_in_village = 4 OR
current.time_in_village = 5

Has the material standard of living of your HH as a whole increased due to migrating?

(1)Yes,(2)No

Household characteristics and income composition Q.36

add_income

Survey

Do you receive additional income from any of the folloing sources? Please tick!

(1)Pension,(2)Government,(3)Rent,(4)Collected from common ground (firewood, plants, fruots),(5)Scholarship,(6)Other (specify),(7)None

Household characteristics and income composition Label

End of questions on additional income sources. Continue with the other questions.

Household characteristics and income composition Q.37

ration_card

Survey

Does your household have a ration card?

(1)APL,(2)BPL,(3)No

Household characteristics and income composition
Q.38

use_ration_card

Survey

Enable if :current.ration_card = 1 OR
current.ration_card = 2

Have you used it within the last six months?

(1)Yes,(2)No

END SCREEN 2:Household characteristics and income composition

SCREEN3:Farm history and future

Farm history and future Q.1

farming

Survey

Does your family own or manage a farm? Or do you have dairy or other livestock?

(1)Yes,(2)No

Farm history and future Q.2

time_farming

Survey

Enable if :current.farming = 1

How many years have you been a farmer?

Farm history and future Q.3

farm_teach**Survey**

Enable if :current.farming = 1

From whom did you learn how to farm?

(1)Father,(2)Grandfather,(3)Uncle,(4)Friend of the family,(5)Training Programm,(6)University,(7)Other (Specify)

Farm history and future Q.4

inherit_farm**Survey**

Enable if :current.farming = 1

How did you get your farm?

(1)Inherited from family,(2)Inherited from (family) friends,(3)Purchased,(4)Build up by myself

Farm history and future Q.5

stay_in_fam**Survey**

Enable if :current.farming = 1

Do you think the farm will stay in your family?

(1)Yes,(2)No

Farm history and future Q.6

manage_land**Survey**Enable if :current.stay_in_fam = 1 AND
current.farming = 1*Who will manage the land?*

(1)Son,(2)Daughter,(3)Niece/Nephew,(4)Brother,(5)Other (Specify)

Farm history and future Q.7

land_happen**Survey**Enable if :current.stay_in_fam = 2 AND
current.farming = 1*What do you think will happen to the land?*

(1)Agricultural use,(2)Industry,(3)Housing,(4)Fallow,(5)Other (Specify)

END SCREEN 3:Farm history and future

SCREEN4:Land Holdings and Plot Management

Land Holdings and Plot Management Label

*Interviewer: All questions in this section refer to plot characteristics. We understand plot as a management unit.
Please make sure that the respondent has a consistent labeling of his plots. It is possible that more than one crop is grown on the same plot in one season.
The reference time period is always five years.*

Land Holdings and Plot Management Label

*Now, we would like to ask some more in-depth questions about the plots you manage. One plot is a management unit; that means a piece of land for which you make an overall management decision. There can also be more than one crop grown on the same plot in the same season.
The following questions, refer to a five year periode. So, please think for a moment about your land holdings in the last five years and how you managed different plots.*

Land Holdings and Plot Management Label

DON'T FORGET THE RESIDENTIAL PLOT!!

Land Holdings and Plot Management Q.1

no_own_plots**Survey***How many plots do you own at the moment?*

Land Holdings and Plot Management Q.2

no_rent_plots**Survey***How many plots do you rent in at the moment?*

Land Holdings and Plot Management Q.3

no_former_plots

Survey

Are there any plots you've managed in the past five years but do not manage anymore at present?

Interviewer:

If yes: Enter the number of plots

If no: Enter "0".

Land Holdings and Plot Management Label

For all the plots you implied in the previous two questions, we would like to ask some more questions.

START ROSTER 4.1: Land Holdings If there are plots given in Q.3, these MUST be also included in this table!

Land Holdings If there are plots given in Q.3, these MUST be also included in this table! Q.4

plot_name

Land_Holding

Name of the Plot

Interviewer: Label the plots with capital letters. Start with "A".

Land Holdings If there are plots given in Q.3, these MUST be also included in this table! Q.5

plot_property

Land_Holding

This plot is...

(1)Owned,(2)Rented,(3)Common area,(4)Government land (used with permission),(5)Government land (used without permission)

Land Holdings If there are plots given in Q.3, these MUST be also included in this table! Q.6

plot_use_end

Land_Holding

Do you still have this plot? If not, please give the year in which you gave up this plot?

(99)I still use this plot,(2016)2016,(2015)2015,(2014)2014,(2013)2013,(2012)2012

Land Holdings If there are plots given in Q.3, these MUST be also included in this table! Q.7

plot_use_start

Land_Holding

Since when do you have this plot?

(2016)2016,(2015)2015,(2014)2014,(2013)2013,(2012)2012,(99)Before 2012

Land Holdings If there are plots given in Q.3, these MUST be also included in this table! Q.8

plot_use

Land_Holding

How is/was the plot used?

(1)Residential plot - no agricultural use,(2)Residential plot - also used for agriculture,(3)Rented out,(4)Agriculture,(5)Other (specify)

SCREEN4.1.1: Plot characteristics

Plot characteristics Q.1

comm_area_families

Land_Holding

Enable if :current.plot_property = 3

How many other hh use the common area with you?

Plot characteristics Q.2

plot_size

Land_Holding

Please give the size of this plot!

Plot characteristics Q.3

plot_size_unit

Land_Holding

Kunda or Acres? (Please specify the unit for the previous question!)

(1)Kunda,(2)Acres in Gunda,(3)Acres

Plot characteristics Q.4

time_to_plot

Land_Holding

Enable if :current.plot_use not in (1,2)

How much time (in minutes) do you need to get there?

Plot characteristics Q.5

transport_plot**Land_Holding**

Enable if :current.plot_use not in (1,2)

Please imply the mode of transport.

(1)Walk,(2)Bicycle,(3)Bus,(4)Auto,(10)Shared vehicle,(5)Car,(6)Train,(7)Motorbike,(9)Other (Specify)

Plot characteristics Q.6

soil_quality**Land_Holding***Please indicate the quality of the soil!*

(1)Poor,(2)Middle,(3)very good

Plot characteristics Q.7

plot_slope**Land_Holding***What is the slope of this plot?*

(1)None,(2)Moderate,(3)Steep

END SCREEN 4.1.1:Plot characteristics

SCREEN4.1.2:Management

Enable if :current.plot_use in (2, 4)

SCREEN4.1.2.1:Management 2016

Enable if :current.plot_use_end in (99, 2016)

Management 2016 Label

*ADD A ROW FOR EVERY HARVEST OF THE SAME CROP!!**Examples: Tomatos are harvested in February and September or Coconut is harvested two times in the same year - THEN OPEN TWO ROWS!*

START ROSTER 4.1.2.1.1:Which crops did you grow in 2016? Please give the name of the crops and imply in which seasons you grew them.

Which crops did you grow in 2016? Please give the name of the crops and imply in which seasons you grew them. Q.1

plot_crop_16**Crop_2016***Which crops did you harvest, are you about to harvest or failed in 2016 (since January 2016)?*

Which crops did you grow in 2016? Please give the name of the crops and imply in which seasons you grew them. Q.2

plot_crop_other_16**Crop_2016**

Enable if :current.plot_crop_16 = 148

Other crop. Please specify, if crop is not in the list.

Which crops did you grow in 2016? Please give the name of the crops and imply in which seasons you grew them. Q.3

harvest_2016**Crop_2016***In which month did you harvest or are about to harvest the crop? Or did it fail?**If more than one months, give the peak months!*

(80)Crop failed,(90)Not harvested yet,(70)Left on field,(60)Continuously harvested,(1)January,(2)February,(3)March,(4)April,(5)May,(6)June,(7)July,(8)August,(9)September,(10)October,(11)November,(12)December,(117)January 2017,(217)February 2017

Which crops did you grow in 2016? Please give the name of the crops and imply in which seasons you grew them. Q.4

sow_2016**Crop_2016***In which month(s) did you sow the crop?*

(0)Plant older than August of previous year,(81)August - previous year,(91)September - previous year,(101)October - previous year,(111)November - previous year,(121)December - previous year,(1)January,(2)February,(3)March,(4)April,(5)May,(6)June,(7)July,(8)August,(9)September,(10)October,(11)November,(12)December

Which crops did you grow in 2016? Please give the name of the crops and imply in which seasons you grew them. Q.5

perennial_age

Crop_2016

Enable if :current.sow_2016 = 0

On average, how old are the plants in your plantation on this plot (years)?

SCREEN4.1.2.1.1.1:Production

Enable if :current.harvest_2016 not in (90)

Production Label

Crop: [select name_com from crops_com where ID_com = select plot_crop_16 from Crop_2016 where Crop_2016_ID = current.Crop_2016_ID and Plot=current.Plot]

Production Q.1

crop_land_grown

Crop_2016

On how much land did you grow (crop)? Pick the correct unit in the next question!

Production Q.2

crop_land_unit

Crop_2016

Land unit

(1)Kunda,(2)Acres in Gunda,(3)Acres

Production Q.3

crop_prod

Crop_2016

[Go To [crop_part_feed] if:current.crop_prod = 4]

Production of/in...

(1)Crop,(2)Seeds/Nursery (production not for consumption!),(3)Leaves (Mullberry),(4)Exclusively fodder production

Production Q.4

crop_tot_output

Crop_2016

In kg or pieces, what was your total output of (crop)?

Production Q.5

crop_prod_unit

Crop_2016

Unit - Kg or Piece? (Use this unit also for Q.6 - Q.9!)

(1)Kg,(2)Piece

Production Q.6

crop_consump

Crop_2016

In kg or pieces, how much of (crop) did you consume yourself in your household?

Production Q.7

crop_saved_seeds

Crop_2016

In kg or pieces, how much of (crop) did you save as seeds?

Production Q.8

crop_gift_don

Crop_2016

In kg or pieces, how much of (crop) did you give as gift, donation, etc.?

Production Q.9

crop_sellings

Crop_2016

In kg or pieces, how much of (crop) did you sell?

Production Label

Fodder Production

Production Q.10

crop_feed

Crop_2016

Did you produce any part of (crop) as fodder for livestock?

(1)Yes,(2)No

Production Q.11

crop_part_feed

Crop_2016

Enable if :current.crop_feed = 1 or
current.crop_prod = 4

What part of (crop) did you produce as fodder?

(1)Residues,(2)Consumable crop,(3)Both

Production Q.12

crop_qty_feed **Crop_2016**
 Enable if :current.crop_part_feed in (2,3)

In kg, how much of consumable crop did you produce as fodder?

Production Q.13

crop_qty_residues **Crop_2016**
 Enable if :current.crop_part_feed in (1,3)

In pieces, how many bundles of residues/by-product did you produce?

Production Q.14

crop_sold_feed **Crop_2016**

Did you sell your entire fodder produce or did you (also) use it for own livestock?

(0)Everything was sold (no production for own livestock),(1)Partially sold and partially used for own livestock,(2)Only for own livestock

Production Q.15

crop_fed_livest **Crop_2016**
 Enable if :current.crop_sold_feed in (1, 2)

Which livestock was it fed to?

(1)Dairy,(2)Buffelo,(3)Goat,(4)Sheep,(5)Chicken,(6)Pigs,(7)Other (Specify)

END SCREEN 4.1.2.1.1.1:Production

Which crops did you grow in 2016? Please give the name of the crops and imply in which seasons you grew them. Q.6

inputs_same **Crop_2016**
 Enable if :(select count (*) from Crop_2016 where plot_crop_16 = current.plot_crop_16) > 1

Irrigation, tillage, and other inputs as before? Did you also use the SAME quantities of fertilizer, seeds etc. and pay the same price per unit? Then tick!

SCREEN4.1.2.1.1.2:Inputs

Enable if :current.inputs_same 'Y' or (select count (*) from Crop_2016 where plot_crop_16 = current.plot_crop_16) = 1

Inputs Label

Crop: [select name_com from crops_com where ID_com = select plot_crop_16 from Crop_2016 where Crop_2016_ID = current.Crop_2016_ID and Plot=current.Plot]

Inputs Q.1

crop_irrigation **Crop_2016**
 [Go To [crop_soil] if:current.crop_irrigation = 1]

Was (crop) rainfed or irrigated?

(1)Rainfed,(2)Irrigated

Inputs Q.2

crop_irrig_source **Crop_2016**

Water source:

(1)Piped,(2)Tube Well with electric pump,(3)Tube Well with fuel pump,(4)Rainwater,(5)Dug, open well,(6)Covered well,(7)River, canal, stream,(8)Pond,(9)Tanker Truck,(12)Other (Specify)

Inputs Q.3

crop_irrig_techn **Crop_2016**

Irrigation technology:

(13)Lift irrigation,(1)Water pump,(2)Drip irrigation,(3)Flooding,(4)Furrow,(5)Sprinkler,(6)Other (Specify)

Inputs Q.4

crop_emitter_no **Crop_2016**
 Enable if :current.crop_irrig_techn = 2 or current.crop_irrig_techn = 5

How many sprinklers/emitters did you use for (crop)?

Inputs Q.5

crop_emitter_discharge **Crop_2016**

What is the discharge of one of these emitters/sprinklers (liter per hour)?

Enable if :current.crop_irrig_techn = 2 or current.crop_irrig_techn = 5

Inputs Q.6 crop_irrig_days	Crop_2016	On how many days did you irrigate (crop)?
Inputs Q.7 crop_irrig_hours	Crop_2016	On these days, how many hours on average did you irrigate (crop)?
Inputs Q.8 crop_soil [Go To [crop_inputs] if:current.crop_soil = 2]	Crop_2016	Tillage for (crop)? (1)Yes,(2)No
Inputs Q.9 crop_tech_soil	Crop_2016	Which tillage techniques did you use for (crop)? (1)Tractor (without plough attached),(2)Plough for tractor,(3)Ox-Plough,(4)Harrow for tractor,(7)Ox-harrow,(5)Cultivator for tractor,(8)Ox-cultivator,(6)Other (Specify)
Inputs Q.10 crop_depth_soil	Crop_2016	Up to which depth did you apply (technique) (in inch)?
Inputs Q.11 crop_inputs [Go To [crop_h_labor] if:current.crop_inputs = 2]	Crop_2016	Did you use any inputs for (crop)? Such as seeds, fertilizer, pesticides, etc. ? (1)Yes,(2)No
Inputs Q.12 crop_subsidy_eligible	Crop_2016	Have you been eligible for subsidies for (crop) in 2016? (1)Yes,(2)No,(3)I don't know
Inputs Q.13 crop_subsidy_failed Enable if :current.crop_subsidy_eligible = 1	Crop_2016	Have you applied for subsidies for (crop) in 2016, but did not receive the subsidy? (1)Yes,(2)No
Inputs Q.14 crop_subsidy	Crop_2016	Did you recieve any input subsidies or support for (crop) in 2016? (1)Yes,(2)No
Inputs Label	<u>DO NOT FORGET SEEDS OR SEEDLINGS WHEN USED AS INPUT!!</u>	

START ROSTER 4.1.2.1.1.2.1:Please imply all inputs you used for Production of 2016.

Please imply all inputs you used for Production of 2016. Q.15 crop_input	Inputs	Which inputs did you use for (crop) harvested in 2016? (13)Seedlings,(1)Seeds (normal/traditional),(6)Seeds (New variety),(7)DAP,(8)Gypsum,(9)IPL,(10)17 17 17,(11)20 20 17,(12)Urea,(2)Other Chemical Fertilizer (please type all used fertilizers in the pop-up),(3)Farm manure,(4)Herbicides/ Pesticides,(5)Other (Specify)
Please imply all inputs you used for Production of 2016. Q.16 crop_qty_input	Inputs	How much of this input did you use?
Please imply all inputs you used for Production of 2016. Q.17 crop_unit_input	Inputs	Unit (1)Kilogramm,(2)Gramm,(3)Liter,(4)Mililiter,(5)Pieces,(10)Quintal,(11)Ton,(9)Bag/basket (ca. 50 kg),(8)Cart load (specify the capacity (kg) in the pop-up!),(7)Tractor load (specify tractor capacity in the pop-up!),(6)Other (Specify)

Please imply all inputs you used for Production of 2016. Q.18

crop_origin

Inputs

Enable if :current.crop_input in (1,3,6)

Was the input produced on your own farm (previous seasons)?

(1)Yes,(2)No

Please imply all inputs you used for Production of 2016. Q.19

crop_price_input

Inputs

Enable if :current.crop_origin = 2 or
current.crop_input not in (1,3,6)

*How much did you pay for 1 kg, piece or liter of input (INR)?
Specify unit (kg, piece or liter) in Q.16!*

Please imply all inputs you used for Production of 2016. Q.20

crop_price_unit

Inputs

Enable if :current.crop_origin = 2 or
current.crop_input not in (1,3,6)

Purchasing Unit

(1)Kg,(2)Piece,(3)Liter

Please imply all inputs you used for Production of 2016. Q.21

crop_input_subsidy

Inputs

Enable if :current.crop_origin = 2 or
current.crop_input not in (1,3,6)

Did you receive the input as subsidy?

(1)Yes,(2)No

Please imply all inputs you used for Production of 2016. Q.22

crop_provider_subsidy

Inputs

Enable if :current.crop_input_subsidy = 1

Who provided the subsidy?

(1)Government,(2)Contracting Company,(3)NGO,(5)Land owner,(4)Other (Specify)

END ROSTER 4.1.2.1.1.2.1:Please imply all inputs you used for Production of 2016.

END SCREEN 4.1.2.1.1.2:Inputs

SCREEN4.1.2.1.1.3:Labor

Labor Label

Crop: [select name_com from crops_com where ID_com = select plot_crop_16 from Crop_2016 where Crop_2016_ID = current.Crop_2016_ID and Plot=current.Plot]

Labor Label

Hired labor

Labor Q.1

crop_h_labor

Crop_2016

[Go To [crop_f_labor] if:current.crop_h_labor = 2]

Hired labor for (crop)?

(1)Yes,(2)No

Labor Q.2

crop_male_hired

Crop_2016

How many male labor days did you hire for (crop)?

Labor Q.3

crop_male_salary

Crop_2016

Enable if :current.crop_male_hired > 0

What was the salary of hired men in your village per day last Kharif (INR)?

Labor Q.4

crop_female_hired

Crop_2016

How many female labor days did you hire for (crop)?

Labor Q.5

crop_female_salary**Crop_2016**

Enable if :current.crop_female_hired > 0

What was the salary of hired women in your village per day last Khairf (INR)?

Labor Label

Family labor

Labor Q.6

crop_f_labor**Crop_2016***Family labor for (crop)?*

(1)Yes,(2)No

START ROSTER 4.1.2.1.3.1:Please give more information on which hh members worked on (crop).

Please give more information on which hh members worked on (crop). Q.7

crop_f_labor_hhm**FLabor_Crop***HH member:*

Please give more information on which hh members worked on (crop). Q.8

crop_days_hhm**FLabor_Crop***How many labpr days did he/she work on (crop) in 2016?*

END ROSTER 4.1.2.1.3.1:Please give more information on which hh members worked on (crop).

Labor Q.9

crop_shared_labor**Crop_2016***Does your family share labor with another household (i.e. some of your hh members help at another farm and members of other households will help on your farm)?*

(1)Yes,(2)No

Labor Q.10

crop_shared_hh**Crop_2016***With how many other households do you have an agreement like this?*

Labor Q.11

crop_shared_headcount**Crop_2016***For how many hh members is this agreement?*

END SCREEN 4.1.2.1.3:Labor

END ROSTER 4.1.2.1.1:Which crops did you grow in 2016? Please give the name of the crops and imply in which seasons you grew them.

Management 2016 Q.7

cropfail_2016**Land_Holding**

Enable if :(select count (*) from Crop_2016 where (harvest_2016) in (80)) > 0

You stated that at least one crop failed in this year. What was the main reason?

(1)Water shortage,(5)Labor shortage,(2)Input shortage (except water and labor),(3)Soil recovery,(4)Other (specify)

Management 2016 Q.8

plot_nocrop_16**Land_Holding***At any point in time in this year, did you leave this plot fallow?*

(1)Yes,(2)No

Management 2016 Q.9

plot_nocropreason_16**Land_Holding**

Enable if :current.plot_nocrop_16 = 1

What was the main reason to leave this plot fallow?

(1)Water shortage,(5)Labor shortage,(2)Input shortage (except water and labor),(3)Soil recovery,(4)Other (specify)

Management 2016 Q.10

plot_noharvest**Land_Holding**

Enable if :(select count (*) from Crop_2016 where (harvest_2016) in (70)) > 0

You stated that at least one crop was not harvested. What is the main reason?

(1)No rate/low prices at market,(2)Labor shortage,(3)Illnes,(4)Other (specify)

END SCREEN 4.1.2.1:Management 2016

Management Q.1

plot_rent_machinery**Land_Holding***Did you hire any machinery for growing the crops you harvested in 2016?*

(1)Yes,(2)No

SCREEN4.1.2.2:Rented Farm Equipmet

Enable if :current.plot_rent_machinery = 1

START ROSTER 4.1.2.2.1:Please give an overview of farm equipment you rented for growing the crops you harvested in 2016

RosterContents :(1)Two wheel Tractor/Power tiller,(2)Tractor (4 wheel),(3)Plough (wooden),(4)Plough(Iron/modern),(24)Harrow,(8)Chopper,(9)Seed drill,(10)Sprayer,(11)Duster,(12)Chaff cutter,(13)Thresher,(14)Combined harvester,(21)Sugar cane crusher,(23)sprinkler system (excluding pump),(25)Drip irrigation system (excluding pump),(26)Pipe(s) (flood irrigation)

Please give an overview of farm equipment you rented for growing the crops you harvested in 2016 Q.1

equip_rent**equipment_rented***Did you rent in or hire this machinery?*

(1)Yes,(2)No

Please give an overview of farm equipment you rented for growing the crops you harvested in 2016 Q.2

equip_rent_qty**equipment_rented**

Enable if :current.equip_rent = 1

How many did you rent?

Please give an overview of farm equipment you rented for growing the crops you harvested in 2016 Q.3

rent_period**equipment_rented**

Enable if :current.equip_rent = 1

How many days did you rent this machine? If more than one machine, please give the sum of days!

Please give an overview of farm equipment you rented for growing the crops you harvested in 2016 Q.4

price_equip_rent**equipment_rented**

Enable if :current.equip_rent = 1

How much did you pay for renting this machine for 1 day (INR)?

Please give an overview of farm equipment you rented for growing the crops you harvested in 2016 Q.5

rent_spec_crop**equipment_rented**

Enable if :current.equip_rent = 1

Did you hire this machine for specific crop(s)?

(1)Yes,(2)No

SCREEN4.1.2.2.1.1:Crops

Enable if :current.rent_spec_crop = 1

START ROSTER 4.1.2.2.1.1.1:For which crop(s) did you use this machine?

RosterContents :(1)Two wheel Tractor/Power tiller,(2)Tractor (4 wheel),(3)Plough (wooden),(4)Plough(Iron/modern),(24)Harrow,(8)Chopper,(9)Seed drill,(10)Sprayer,(11)Duster,(12)Chaff cutter,(13)Thresher,(14)Combined harvester,(21)Sugar cane crusher,(23)sprinkler system (excluding pump),(25)Drip irrigation system (excluding pump),(26)Pipe(s) (flood irrigation)

For which crop(s) did you use this machine? Q.1

*Please state the crop(s) you used this machinery for.***crop_rent equip****Equip_crop**

For which crop(s) did you use this machine? Q.2

*How many hours did you use this machine for this crop?***crop_hours equip****Equip_crop**

END ROSTER 4.1.2.2.1.1.1:For which crop(s) did you use this machine?

END SCREEN 4.1.2.2.1.1:Crops

END ROSTER 4.1.2.2.1:Please give an overview of farm equipment you rented for growing the crops you harvested in 2016

END SCREEN 4.1.2.2:Rented Farm Equipmet

SCREEN4.1.2.3:Management 2015

Enable if :current.plot_use_start not in (2016) and current.plot_use_end not in (2012, 2013, 2014)

Management 2015 Q.1

crop_same_15**Land_Holding**

[Go To [crop_same_14] if:current.crop_same_15 = 'Y']

Ask the following questions:*Which crops did you grow in this year?**Which inputs did you use?**Was the plot rainfed or irrigated?**If you see that answers are the same as in 2016, tick the box and continue with the next year!*

Management 2015 Label

ADD A ROW FOR EVERY HARVEST OF THE SAME CROP!!

Examples: Tomatos are harvested in February and September or Coconut is harvested two times in the same year - THEN OPEN TWO ROWS!

START ROSTER 4.1.2.3.1:Which crops did you grow in 2015? Please give the name of the crops and imply in which seasons you grew them.

Which crops did you grow in 2015? Please give the name of the crops and imply in which seasons you grew them. Q.2

plot_crop_15**Crop_2015**

Which crops did you harvest, are you about to harvest or failed in 2015 (since January 2015)?

Which crops did you grow in 2015? Please give the name of the crops and imply in which seasons you grew them. Q.3

plot_crop_other_15

Crop_2015

Enable if :current.plot_crop_15 = 148

Other crop. Please specify, if crop is not in the list.

Which crops did you grow in 2015? Please give the name of the crops and imply in which seasons you grew them. Q.4

harvest_2015

Crop_2015

In which month(s) did you harvest the crop? Or did it fail?

If more than one months, give the peak months!

(13)Crop failed,(1)January,(2)February,(3)March,(4)April,(5)May,(6)June,(7)July,(8)August,(9)September,(10)October,(11)November,(12)December,(90)Not harvested yet,(70)Left on field,(60)Continuously harvested

Which crops did you grow in 2015? Please give the name of the crops and imply in which seasons you grew them. Q.5

sow_2015

Crop_2015

In which month(s) did you sow the crop?

(0)Plant older than August of previous year,(81)August - previous year,(91)September - previous year,(101)October - previous year,(111)November - previous year,(121)December - previous year,(1)January,(2)February,(3)March,(4)April,(5)May,(6)June,(7)July,(8)August,(9)September,(10)October,(11)November,(12)December

END ROSTER 4.1.2.3.1:Which crops did you grow in 2015? Please give the name of the crops and imply in which seasons you grew them.

Management 2015 Q.6

cropfail_2015

Land_Holding

Enable if :(select count (*) from Crop_2015 where (harvest_2015) in (13)) > 0

You stated that at least one crop failed in this year. What was the main reason?

(1)Water shortage,(5)Labor shortage,(2)Input shortage (except water and labor),(3)Soil recovery,(4)Other (specify)

Management 2015 Q.7

plot_nocrop_15

Land_Holding

At any point in time in this year, did you leave this plot fallow?

(1)Yes,(2)No

Management 2015 Q.8

plot_nocropreason_15

Land_Holding

Enable if :current.plot_nocrop_15 = 1

What was the main reason to leave this plot fallow?

(1)Water shortage,(5)Labor shortage,(2)Input shortage (except water and labor),(3)Soil recovery,(4)Other (specify)

Management 2015 Label

Inputs

Management 2015 Q.9

plot_irrig_15

Land_Holding

Was this plot mainly rainfed or irrigated in the year 2015?

(1)Rainfed,(2)Irrigated

Management 2015 Q.10

plot_irrig_source_15

Land_Holding

Enable if :current.plot_irrig_15 = 2

Water source:

(1)Piped,(2)Tube Well with electric pump,(3)Tube Well with fuel pump,(4)Rainwater,(5)Dug, open well,(6)Covered well,(7)River, canal, stream,(8)Pond,(9)Tanker Truck,(12)Other (Specify)

Management 2015 Q.11

plot_irrig_techn_15

Land_Holding

Enable if :current.plot_irrig_15 = 2

Irrigation technology:

(13)Lift irrigation,(1)Water pump,(2)Drip irrigation,(3)Flooding,(4)Furrow,(5)Sprinkler,(6)Other (Specify)

Management 2015 Label

Inputs

Management 2015 Q.12

plot_input_15

Land_Holding

Did you use any inputs (besides water) on this plot in 2015?

(1)Yes,(2)No

Management 2015 Q.13

plot_input_type_15

Land_Holding

Enable if :current.plot_input_15 = 1

Which inputs?

(13)Seedlings,(1)Seeds (normal/traditional),(6)Seeds (New variety),(7)DAP,(8)Gypsum,(9)IPL,(10)17 17 17,(11)20 20 17,(12)Urea,(2)Other Chemical Fertilizer (please type all used fertilizers in the pop-up),(3)Farm manure,(4)Herbicides/Pesticides,(5)Other (Specify)

Management 2015 Label

Tillage

Management 2015 Q.14

plot_soil_15

Land_Holding

Did you use any tillage techniques on this plot in 2015?

(1)Yes,(2)No

Management 2015 Q.15

plot_soil_techn_15

Land_Holding

Enable if :current.plot_soil_15 = 1

Tillage technique(s):

(1)Tractor (without plough attached),(2)Plough for tractor,(3)Ox-Plough,(4)Harrow for tractor,(7)Ox-harrow,(5)Cultivator for tractor,(8)Ox-cultivator,(6)Other (Specify)

END SCREEN 4.1.2.3:Management 2015

SCREEN4.1.2.4:Management 2014

Enable if :current.plot_use_start not in (2016, 2015) and current.plot_use_end not in (2012, 2013)

Management 2014 Q.1

crop_same_14

Land_Holding

[Go To [crop_same_13] if:current.crop_same_14 = 'Y']

Ask the following questions:Which crops did you grow in this year?Which inputs did you use?Was the plot rainfed or irrigated?If you see that answers are the same as in 2015, tick the box and continue with the next year!

Management 2014 Label

ADD A ROW FOR EVERY HARVEST OF THE SAME CROP!!Examples: Tomatos are harvested in February and September or Coconut is harvested two times in the same year - THEN OPEN TWO ROWS!

START ROSTER 4.1.2.4.1:Which crops did you grow in 2014? Please give the name of the crops and imply in which seasins you grew them.

Which crops did you grow in 2014? Please give the name of the crops and imply in which seasins you grew them. Q.2

plot_crop_14

Crop_2014

Which crops did you harvest, are you about to harvest or failed in 2014 (since January 2014)?

Which crops did you grow in 2014? Please give the name of the crops and imply in which seasins you grew them. Q.3

plot_crop_other_14

Crop_2014

Enable if :current.plot_crop_14 = 148

Other crop. Please specify, if crop is not in the list.

Which crops did you grow in 2014? Please give the name of the crops and imply in which seasons you grew them. Q.4

harvest_2014

Crop_2014

*In which month(s) did you harvest the crop? Or did it fail?
If more than one months, give the peak months!*

(13)Crop failed,(1)January,(2)February,(3)March,(4)April,(5)May,(6)June,(7)July,(8)August,(9)September,(10)October,(11)November,(12)December,(90)Not harvested yet,(70)Left on field,(60)Continuously harvested

Which crops did you grow in 2014? Please give the name of the crops and imply in which seasons you grew them. Q.5

sow_2014

Crop_2014

In which month(s) did you sow the crop?

(0)Plant older than August of previous year,(81)August - previous year,(91)September - previous year,(101)October - previous year,(111)November - previous year,(121)December - previous year,(1)January,(2)February,(3)March,(4)April,(5)May,(6)June,(7)July,(8)August,(9)September,(10)October,(11)November,(12)December

END ROSTER 4.1.2.4.1:Which crops did you grow in 2014? Please give the name of the crops and imply in which seasons you grew them.

Management 2014 Q.6

cropfail_2014

Land_Holding

Enable if : (select count (*) from Crop_2014 where (harvest_2014) in (13)) > 0

You stated that at least one crop failed in this year. What was the main reason?

(1)Water shortage,(5)Labor shortage,(2)Input shortage (except water and labor),(3)Soil recovery,(4)Other (specify)

Management 2014 Q.7

plot_nocrop_14

Land_Holding

At any point in time in this year, did you leave this plot fallow?

(1)Yes,(2)No

Management 2014 Q.8

plot_nocropreason_14

Land_Holding

Enable if : current.plot_nocrop_14 = 1

What was the main reason to leave this plot fallow?

(1)Water shortage,(5)Labor shortage,(2)Input shortage (except water and labor),(3)Soil recovery,(4)Other (specify)

Management 2014 Label

Inputs

Management 2014 Q.9

plot_irrig_14

Land_Holding

Was this plot mainly rainfed or irrigated in the year 2014?

(1)Rainfed,(2)Irrigated

Management 2014 Q.10

plot_irrig_source_14

Land_Holding

Enable if : current.plot_irrig_14 = 2

Water source:

(1)Piped,(2)Tube Well with electric pump,(3)Tube Well with fuel pump,(4)Rainwater,(5)Dug, open well,(6)Covered well,(7)River, canal, stream,(8)Pond,(9)Tanker Truck,(12)Other (Specify)

Management 2014 Q.11

plot_irrig_techn_14

Land_Holding

Enable if : current.plot_irrig_14 = 2

Irrigation technology:

(13)Lift irrigation,(1)Water pump,(2)Drip irrigation,(3)Flooding,(4)Furrow,(5)Sprinkler,(6)Other (Specify)

Management 2014 Label

Inputs

Management 2014 Q.12

plot_input_14

Land_Holding

Did you use any inputs (besides water) on this plot in 2014?

(1)Yes,(2)No

Management 2014 Q.13

plot_input_type_14**Land_Holding**

Enable if :current.plot_input_14 = 1

Which inputs?

(13)Seedlings,(1)Seeds (normal/traditional),(6)Seeds (New variety),(7)DAP,(8)Gypsum,(9)IPL,(10)17 17 17,(11)20 20 17,(12)Urea,(2)Other Chemical Fertilizer (please type all used fertilizers in the pop-up),(3)Farm manure,(4)Herbicides/Pesticides,(5)Other (Specify)

Management 2014 Label

Tillage

Management 2014 Q.14

plot_soil_14**Land_Holding***Did you use any tillage techniques on this plot in 2014?*

(1)Yes,(2)No

Management 2014 Q.15

plot_soil_techn_14**Land_Holding**

Enable if :current.plot_soil_14 = 1

Tillage technique(s):

(1)Tractor (without plough attached),(2)Plough for tractor,(3)Ox-Plough,(4)Harrow for tractor,(7)Ox-harrow,(5)Cultivator for tractor,(8)Ox-cultivator,(6)Other (Specify)

END SCREEN 4.1.2.4:Management 2014

SCREEN4.1.2.5:Management 2013

Enable if :current.plot_use_start not in (2016, 2015, 2014) and current.plot_use_end not in (2012)

Management 2013 Q.1

crop_same_13**Land_Holding**

[Go To [crop_same_12] if:current.crop_same_13 = 'Y']

*Ask the following questions:**Which crops did you grow in this year?**Which inputs did you use?**Was the plot rainfed or irrigated?*

If you see that answers are the same as in 2014, tick the box and continue with the next year!

Management 2013 Label

ADD A ROW FOR EVERY HARVEST OF THE SAME CROP!!

Examples: Tomatos are harvested in February and September or Coconut is harvested two times in the same year - THEN OPEN TWO ROWS!

START ROSTER 4.1.2.5.1:Which crops did you grow in 2013? Please give the name of the crops and imply in which seasins you grew them.

Which crops did you grow in 2013? Please give the name of the crops and imply in which seasins you grew them. Q.2

plot_crop_13**Crop_2013**

Which crops did you harvest, are you about to harvest or failed in 2013 (since January 2013)?

Which crops did you grow in 2013? Please give the name of the crops and imply in which seasins you grew them. Q.3

plot_crop_other_13**Crop_2013**

Enable if :current.plot_crop_13 = 148

Other crop. Please specify, if crop is not in the list.

Which crops did you grow in 2013? Please give the name of the crops and imply in which seasons you grew them. Q.4

harvest_2013

Crop_2013

*In which month(s) did you harvest the crop? Or did it fail?
If more than one months, give the peak months!*

(13)Crop failed,(1)January,(2)February,(3)March,(4)April,(5)May,(6)June,(7)July,(8)August,(9)September,(10)October,(11)November,(12)December,(90)Not harvested yet,(70)Left on field,(60)Continuously harvested

Which crops did you grow in 2013? Please give the name of the crops and imply in which seasons you grew them. Q.5

sow_2013

Crop_2013

In which month(s) did you sow the crop?

(0)Plant older than August of previous year,(81)August - previous year,(91)September - previous year,(101)October - previous year,(111)November - previous year,(121)December - previous year,(1)January,(2)February,(3)March,(4)April,(5)May,(6)June,(7)July,(8)August,(9)September,(10)October,(11)November,(12)December

END ROSTER 4.1.2.5.1:Which crops did you grow in 2013? Please give the name of the crops and imply in which seasons you grew them.

Management 2013 Q.6

cropfail_2013

Land_Holding

Enable if : (select count (*) from Crop_2013 where (harvest_2013) in (13)) > 0

You stated that at least one crop failed in this year. What was the main reason?

(1)Water shortage,(5)Labor shortage,(2)Input shortage (except water and labor),(3)Soil recovery,(4)Other (specify)

Management 2013 Q.7

plot_nocrop_13

Land_Holding

At any point in time in this year, did you leave this plot fallow?

(1)Yes,(2)No

Management 2013 Q.8

plot_nocropreason_13

Land_Holding

Enable if : current.plot_nocrop_13 = 1

What was the main reason to leave this plot fallow?

(1)Water shortage,(5)Labor shortage,(2)Input shortage (except water and labor),(3)Soil recovery,(4)Other (specify)

Management 2013 Label

Inputs

Management 2013 Q.9

plot_irrig_13

Land_Holding

Was this plot mainly rainfed or irrigated in the year 2013?

(1)Rainfed,(2)Irrigated

Management 2013 Q.10

plot_irrig_source_13

Land_Holding

Enable if : current.plot_irrig_13 = 2

Water source:

(1)Piped,(2)Tube Well with electric pump,(3)Tube Well with fuel pump,(4)Rainwater,(5)Dug, open well,(6)Covered well,(7)River, canal, stream,(8)Pond,(9)Tanker Truck,(12)Other (Specify)

Management 2013 Q.11

plot_irrig_techn_13

Land_Holding

Enable if : current.plot_irrig_13 = 2

Irrigation technology:

(13)Lift irrigation,(1)Water pump,(2)Drip irrigation,(3)Flooding,(4)Furrow,(5)Sprinkler,(6)Other (Specify)

Management 2013 Label

Inputs

Management 2013 Q.12

plot_input_13

Land_Holding

Did you use any inputs (besides water) on this plot in 2013?

(1)Yes,(2)No

Management 2013 Q.13

plot_input_type_13**Land_Holding**

Enable if :current.plot_input_13 = 1

Which inputs?

(13)Seedlings,(1)Seeds (normal/traditional),(6)Seeds (New variety),(7)DAP,(8)Gypsum,(9)IPL,(10)17 17 17,(11)20 20 17,(12)Urea,(2)Other Chemical Fertilizer (please type all used fertilizers in the pop-up),(3)Farm manure,(4)Herbicides/Pesticides,(5)Other (Specify)

Management 2013 Label

Tillage

Management 2013 Q.14

plot_soil_13**Land_Holding***Did you use any tillage techniques on this plot in 2013?*

(1)Yes,(2)No

Management 2013 Q.15

plot_soil_techn_13**Land_Holding**

Enable if :current.plot_soil_13 = 1

Tillage technique(s):

(1)Tractor (without plough attached),(2)Plough for tractor,(3)Ox-Plough,(4)Harrow for tractor,(7)Ox-harrow,(5)Cultivator for tractor,(8)Ox-cultivator,(6)Other (Specify)

END SCREEN 4.1.2.5:Management 2013

SCREEN4.1.2.6:Management 2012

Enable if :current.plot_use_start in (99, 2012)

Management 2012 Q.1

crop_same_12**Land_Holding**

[Go To [management_before] if:current.crop_same_12 = 'Y']

*Ask the following questions:**Which crops did you grow in this year?**Which inputs did you use?**Was the plot rainfed or irrigated?*

If you see that answers are the same as in 2013, tick the box and continue with the next year!

Management 2012 Label

ADD A ROW FOR EVERY HARVEST OF THE SAME CROP!!

Examples: Tomatos are harvested in February and September or Coconut is harvested two times in the same year - THEN OPEN TWO ROWS!

START ROSTER 4.1.2.6.1:Which crops did you grow in 2012? Please give the name of the crops and imply in which seasins you grew them.

Which crops did you grow in 2012? Please give the name of the crops and imply in which seasins you grew them. Q.2

plot_crop_12**Crop_2012**

Which crops did you harvest, are you about to harvest or failed in 2012 (since January 2012)?

Which crops did you grow in 2012? Please give the name of the crops and imply in which seasins you grew them. Q.3

plot_crop_other_12**Crop_2012**

Enable if :current.plot_crop_12 = 148

Other crop. Please specify, if crop is not in the list.

Which crops did you grow in 2012? Please give the name of the crops and imply in which seasons you grew them. Q.4

harvest_2012

Crop_2012

*In which month(s) did you harvest the crop? Or did it fail?
If more than one months, give the peak months!*

(13)Crop failed,(1)January,(2)February,(3)March,(4)April,(5)May,(6)June,(7)July,(8)August,(9)September,(10)October,(11)November,(12)December,(90)Not harvested yet,(70)Left on field,(60)Continuously harvested

Which crops did you grow in 2012? Please give the name of the crops and imply in which seasons you grew them. Q.5

sow_2012

Crop_2012

In which month(s) did you sow the crop?

(0)Plant older than August of previous year,(81)August - previous year,(91)September - previous year,(101)October - previous year,(111)November - previous year,(121)December - previous year,
(1)January,(2)February,(3)March,(4)April,(5)May,(6)June,(7)July,(8)August,(9)September,(10)October,(11)November,(12)December

END ROSTER 4.1.2.6.1:Which crops did you grow in 2012? Please give the name of the crops and imply in which seasons you grew them.

Management 2012 Q.6

cropfail_2012

Land_Holding

Enable if : (select count (*) from Crop_2012 where (harvest_2012) in (13)) > 0

You stated that at least one crop failed in this year. What was the main reason?

(1)Water shortage,(5)Labor shortage,(2)Input shortage (except water and labor),(3)Soil recovery,(4)Other (specify)

Management 2012 Q.7

plot_nocrop_12

Land_Holding

At any point in time in this year, did you leave this plot fallow?

(1)Yes,(2)No

Management 2012 Q.8

plot_nocropreason_12

Land_Holding

Enable if : current.plot_nocrop_12 = 1

What was the main reason to leave this plot fallow?

(1)Water shortage,(5)Labor shortage,(2)Input shortage (except water and labor),(3)Soil recovery,(4)Other (specify)

Management 2012 Label

Inputs

Management 2012 Q.9

plot_irrig_12

Land_Holding

Was this plot mainly rainfed or irrigated in the year 2012?

(1)Rainfed,(2)Irrigated

Management 2012 Q.10

plot_irrig_source_12

Land_Holding

Enable if : current.plot_irrig_12 = 2

Water source:

(1)Piped,(2)Tube Well with electric pump,(3)Tube Well with fuel pump,(4)Rainwater,(5)Dug, open well,(6)Covered well,(7)River, canal, stream,(8)Pond,(9)Tanker Truck,(12)Other (Specify)

Management 2012 Q.11

plot_irrig_techn_12

Land_Holding

Enable if : current.plot_irrig_12 = 2

Irrigation technology:

(13)Lift irrigation,(1)Water pump,(2)Drip irrigation,(3)Flooding,(4)Furrow,(5)Sprinkler,(6)Other (Specify)

Management 2012 Label

Inputs

Management 2012 Q.12

plot_input_12

Land_Holding

Did you use any inputs (besides water) on this plot in 2012?

(1)Yes,(2)No

Management 2012 Q.13

plot_input_type_12**Land_Holding**

Enable if :current.plot_input_12 = 1

Which inputs?

(13)Seedlings,(1)Seeds (normal/traditional),(6)Seeds (New variety),(7)DAP,(8)Gypsum,(9)IPL,(10)17 17 17,(11)20 20 17,(12)Urea,(2)Other Chemical Fertilizer (please type all used fertilizers in the pop-up),(3)Farm manure,(4)Herbicides/Pesticides,(5)Other (Specify)

Management 2012 Label

Tillage

Management 2012 Q.14

plot_soil_12**Land_Holding***Did you use any tillage techniques on this plot in 2012?*

(1)Yes,(2)No

Management 2012 Q.15

plot_soil_techn_12**Land_Holding**

Enable if :current.plot_soil_12 = 1

Tillage technique(s):

(1)Tractor (without plough attached),(2)Plough for tractor,(3)Ox-Plough,(4)Harrow for tractor,(7)Ox-harrow,(5)Cultivator for tractor,(8)Ox-cultivator,(6)Other (Specify)

END SCREEN 4.1.2.6:Management 2012

Management Q.2

management_before**Land_Holding**

Enable if :current.plot_use_start not in (99, 2012)

Please imply the use before your management.

(1)Fallow,(2)Forest,(3)Agriculture,(4)Non-agriculture: residential area, building company,(5)Non-agriculture: industrial area,(8)Non-agriculture: infrastructure (e.g. road),(6)Government,(7)Other (Specify)

Management Q.3

management_after**Land_Holding**

Enable if :current.plot_use_end not in (99, 2016)

Please imply the use after your management.

(1)Fallow,(2)Forest,(3)Agriculture,(4)Non-agriculture: residential area, building company,(5)Non-agriculture: industrial area,(8)Non-agriculture: infrastructure (e.g. road),(6)Government,(7)Other (Specify)

END SCREEN 4.1.2:Management

SCREEN4.1.3:What are the renting modalities?

Enable if :current.plot_property not in (3)

SCREEN4.1.3.1:Renting in

Enable if :current.plot_property = 2

Renting in Q.1

rent_duration**Land_Holding***What is/was the duration of this renting contract (in years)?*

Renting in Q.2

rent_periode**Land_Holding***How often do/did you have to make payments in this contract?*

(1)One time,(2)Monthly,(7)Bi-monthly,(3)Once per season,(4)Quarterly,(8)Every half year,(5)Annually,(6)Other

Renting in Q.3

rent_currency**Land_Holding***Do/Did you pay with money or produce?*

(1)Money,(2)Produce

Renting in Q.4

rent_share**Land_Holding***...absolute figure or share?*

(1)Absolute figure,(2)Share

Renting in Q.5

rent_inr_share**Land_Holding**

Enable if :current.rent_currency = 1 AND
current.rent_share = 2

How high was the share you have/had to pay (INR)?

Renting in Q.6

rent_inr_abs**Land_Holding**

Enable if :current.rent_currency = 1 AND
current.rent_share = 1

How much did you pay (INR)?

Renting in Q.7

rent_lease**Land_Holding**

Enable if :current.rent_currency = 1 AND
current.rent_share = 1

Do you have a leasing agreement, where you receive money back in the end of the contract?

(1)Yes,(2)No

Renting in Q.8

rent_lease_repay**Land_Holding**

Enable if :current.rent_currency = 1 AND
current.rent_share = 1 AND
current.rent_lease = 1

How much (INR)?

Renting in Q.9

rent_produce**Land_Holding**

Enable if :current.rent_currency = 2

Which produce?

(1)Rice,(2)Wheat,(3)Jowar,(4)Ragi,(5)Bajra,(6)Small millets,(7)Maize,(8)Baby Corn,(9)Barley,(10)Potato,(11)Onion,(12)Radish,(13)Carrot,(14)Turnip,(15)Beet,(16)Sweet potato,(17)Arum,(18)Pumpkin,(19)Cucumber,(20)Parwal, Patal,(21)Jhinga, Torai,(22)Snake gourd,(23)Green papaya,(24)Cauliflower,(25)Cabbage,(26)Brinjal,(27)Lady's finger,(28)Palak,(29)Salad,(30)French beans, barbate,(31)Tomato,(32)Chillis,(33)Lemon,(34)Banana,(35)Jackfruit,(36)Watermelon,(37)Pine apple,(38)Coconut,(39)Guava,(40)Singara,(41)Orange, Masami,(42)Papaya,(43)Mango,(44)Kharbooza,(45)Pears, Naspatti,(46)Berries,(47)Leechi,(48)Apple,(49)Grapes,(50)Dates,(51)Groundnut,(52)Chashewn ut,(53)Walnut,(54)Areca Nut,(55)Soybean,(56)Gram,(57)Arhar, Tur,(58)Moong,(59)Urd,(60)Peas,(61)Khesari,(62)Pepper,(63)Cardamom,(64)Garlic,(65)Ginger,(66)Tamarind,(67)Oil seed,(68)Sugarcane,(69)Cotton,(70)Silk,(71)Coffee,(72)Tobacco,(73)Turf,(74)Dairy,(75)Buffalo,(76)Goat,(77)Sheep,(78)Chicken,(79)Pigs,(80)Milk,(81)Eggs,(82)Manure,(83)Honey,(84)Other (Specify)

Renting in Q.10

rent_prod_share**Land_Holding**

Enable if :current.rent_currency = 2 AND
current.rent_share = 2

How high was the share you have/had to pay?

Renting in Q.11

rent_prod_abs**Land_Holding**

Enable if :current.rent_currency = 2 AND
current.rent_share = 1

How much did you pay?

Renting in Q.12

rent_unit**Land_Holding**

Enable if :current.rent_currency = 2 AND
current.rent_share = 1

Unit

(1)Kilogramm,(2)Gramm,(3)Liter,(4)Mililiter,(5)Pieces,(10)Quintal,(11)Ton,(9)Bag/basket (ca. 50 kg),(8)Cart load (specify the capacity (kg) in the pop-up!),(7)Tractor load (specify tractor capacity in the pop-up!),(6)Other (Specify)

END SCREEN 4.1.3.1:Renting in

SCREEN4.1.3.2:Renting out

Enable if :current.plot_use = 3

Renting out Q.1

rent_out_type**Land_Holding***What do you rent out?*

(1)Housing,(2)(Agricultural) Land,(4)Both,(3)Other (specify)

Renting out Q.2 outrent_currency Land_Holding Enable if :current.rent_out_type = 2	Do/Did you receive money or produce? (1)Money,(2)Produce
Renting out Q.3 outrent_inr_abs Land_Holding Enable if :current.outrent_currency = 1 AND current.outrent_share = 1 AND current.rent_out_type = 2	How much did you receive (INR)?
Renting out Q.4 outrent_unit Land_Holding Enable if :current.outrent_currency = 2 AND current.rent_out_type = 2	Unit (1)Kilogramm,(2)Gramm,(3)Liter,(4)Mililiter,(5)Pieces,(10)Quintal,(11)Ton,(9)Bag/basket (ca. 50 kg),(8)Cart load (specify the capacity (kg) in the pop-up!),(7)Tractor load (specify tractor capacity in the pop-up!),(6)Other (Specify)
Renting out Q.5 reason_lease_out Land_Holding Enable if :current.rent_out_type = 2 AND current.outrent_lease = 1	What have you done with the money you received? (1)Buying New Equipment,(2)Buying additional land,(3)Buying Household Goods,(4)Health,(5)Festivals or Weddings
Renting out Q.6 housing_rent Land_Holding Enable if :current.rent_out_type = 1	How much do you get? (INR)
Renting out Q.7 outrent_duration Land_Holding Enable if :current.rent_out_type = 2	What is/was the duration of this renting contract (in years)?
Renting out Q.8 outrent_share Land_Holding Enable if :current.rent_out_type = 2	...absolute figure or share? (1)Absolute figure,(2)Share
Renting out Q.9 outrent_prod_share Land_Holding Enable if :current.outrent_currency = 2 AND current.outrent_share = 2 AND current.rent_out_type = 2	How high was the share you received?
Renting out Q.10 outrent_produce Land_Holding Enable if :current.outrent_currency = 2 AND current.rent_out_type = 2	Which produce? (1)Rice,(2)Wheat,(3)Jowar,(4)Ragi,(5)Bajra,(6)Small millets,(7)Maize,(8)Baby Corn,(9)Barley,(10)Potato,(11)Onion,(12)Radish,(13)Carrot,(14)Turnip,(15)Beet,(16)Sweet potato,(17)Arum,(18)Pumpkin,(19)Cucumber,(20)Parwal, Patal,(21)Jhinga, Torai,(22)Snake gourd,(23)Green papaya,(24)Cauliflower,(25)Cabbage,(26)Brinjal,(27)Lady's finger,(28)Palak,(29)Salad,(30)French beans, barbata,(31)Tomato,(32)Chillis,(33)Lemon,(34)Banana,(35)Jackfruit,(36)Watermelon,(37)Pine apple,(38)Coconut,(39)Guava,(40)Singara,(41)Orange, Masami,(42)Papaya,(43)Mango,(44)Kharbooza,(45)Pears, Naspatti,(46)Berries,(47)Leechi,(48)Apple,(49)Grapes,(50)Dates,(51)Groundnut,(52)Chashewr ut,(53)Walnut,(54)Areca Nut,(55)Soybean,(56)Gram,(57)Arhar, Tur,(58)Moong,(59)Urd,(60)Peas,(61)Khesari,(62)Pepper,(63)Cardamom,(64)Garlic,(65)Gingi r,(66)Tamarind,(67)Oil seed,(68)Sugarcane,(69)Cotton,(70)Silk,(71)Coffee,(72)Tobacco,(73)Turf,(74)Dairy,(75)Buffe o,(76)Goat,(77)Sheep,(78)Chicken,(79)Pigs,(80)Milk,(81)Eggs,(82)Manure,(83)Honey,(84)Ot er (Specify)
Renting out Q.11 outrent_lease_repay Land_Holding Enable if :current.outrent_currency = 1 AND current.outrent_share = 1 AND current.outrent_lease = 1 AND current.rent_out_type = 2	How much money did you receive (INR)?
Renting out Q.12 freq_housing_rent Land_Holding Enable if :current.rent_out_type = 1	How often do you receive money? (1)One time,(2)Monthly,(7)Bi-monthly,(3)Once per season,(4)Quarterly,(8)Every half year,(5)Annually,(6)Other

Renting out Q.13

outrent_periode **Land_Holding**
 Enable if :current.rent_out_type = 2

How often do/did you receive payments in this contract?

(1)One time,(2)Monthly,(7)Bi-monthly,(3)Once per season,(4)Quarterly,(8)Every half year,(5)Annually,(6)Other

Renting out Q.14

outrent_inr_share **Land_Holding**
 Enable if :current.outrent_currency = 1 AND
 current.outrent_share = 2

How high was the share you received? (INR)

Renting out Q.15

outrent_prod_abs **Land_Holding**
 Enable if :current.outrent_currency = 2 AND
 current.outrent_share = 1 AND current.rent_out_type = 2

How much did receive?

Renting out Q.16

outrent_input **Land_Holding**

Do you provide input to the tenant of this plot?

(1)Yes,(2)No

Renting out Q.17

outrent_input_value **Land_Holding**

What is the total value of input on average for one year?

Renting out Q.18

outrent_lease **Land_Holding**
 Enable if :current.outrent_currency = 1 AND
 current.outrent_share = 1 AND current.rent_out_type = 2

Do you pay money back at the end of the contract?

(1)Yes,(2)No

END SCREEN 4.1.3.2:Renting out

END SCREEN 4.1.3:What are the renting modalities?

SCREEN4.1.4:Ownership

Enable if :current.plot_property = 1 and current.plot_use not in (3)

Ownership Label

Plot still under management

Ownership Q.1

plot_sale_managed **Land_Holding**
 Enable if :current.plot_use_end = 99

Even though this plot is still under your management, did you agree to a sale of this plot?

(1)Yes,(2)No

Ownership Q.2

plot_change_size **Land_Holding**
 Enable if :current.plot_use_end = 99

*Were there changes of the size of this plot in the last five years?
 This question refers to partial changes (e.g. only a part of the plot was sold). If there has been several changes, answer the questions for the most current one!*

(1)No change,(2)Size increased,(3)Size decreased

Ownership Q.3

plot_change_when **Land_Holding**
 Enable if :current.plot_change_size not in (1)

When was this change? Please give the year.

(2016)2016,(2015)2015,(2014)2014,(2013)2013,(2012)2012

Ownership Q.4

plot_change_acres **Land_Holding**
 Enable if :current.plot_change_size in (2,3)

How many acres were sold or bought?

Ownership Q.5

plot_newowner_partial **Land_Holding**

Enable if :current.plot_change_size = 3

To whom did you sell the part of the plot?

(1)Other Farmer,(2)Private Investor,(3)Government,(4)Other (specify)

Ownership Label

Plot sale

Ownership Q.6

plot_sale_inr **Land_Holding**Enable if :current.plot_use_end not in (99) or
current.plot_sale_managed = 1*How much did you receive for this plot (INR)?*

Ownership Q.7

plot_newowner **Land_Holding**Enable if :current.plot_use_end not in (99) or
current.plot_sale_managed = 1*To whom did you sell?*

(1)Other Farmer,(2)Private Investor,(3)Government,(4)Other (specify)

Ownership Q.8

plot_sale_pressure **Land_Holding**Enable if :current.plot_use_end not in (99) or
current.plot_sale_managed = 1*Was there outside pressure to sell?*

(1)Yes,(2)No

Ownership Q.9

plot_sale_reason **Land_Holding**

Enable if :current.plot_sale_pressure = 2

Then, why did you sell?

(1)Financial need,(2)Change of occupation,(3)Weather,(4)Water shortage,(5)Soil erosion,(6)Age,(7)Other (specify)

END SCREEN 4.1.4:Ownership

END ROSTER 4.1:Land Holdings If there are plots given in Q.3, these
MUST be also included in this table!

Land Holdings and Plot Management Q.9

gps_plot **Survey***Interviewer: Please state which plot has been measured with the GPS device.*

Land Holdings and Plot Management Q.10

gps_plot_device **Survey***Interviewer: Please state the ID of the GPS device.*

Land Holdings and Plot Management Q.11

gps_plot_file **Survey***Interviewer: Please state the file name where the plot measurement is saved on the GPS device.*

Land Holdings and Plot Management Q.12

gps_plot_acres **Survey***Interviewer: How many acres did the GPS device measure?*

Land Holdings and Plot Management Q.13

crop_decision **Survey***Please finish the sentence: "When deciding what crop to grow in the next season, my decision mainly (what is most important!) depends on":*

(1)Experience,(2)Tradition,(10)Price at the moment,(3)Prices of last year at the time of harvest,(4)Weather,(5)What the rest of the village / my neighbors grow,(6)Availability of seeds and other inputs,(7)A contract,(8)Advice of elders,(9)Other (specify)

Land Holdings and Plot Management Q.14

veg_decision

Survey

Please finish the sentence: "When deciding what vegetable to grow in the next season, my decision mainly (what is most important!) depends on":

(1)Experience,(2)Tradition,(10)Land size,(11)Irrigation,(12)Infrastructure facilities,(13)Market demand,(14)Price at the moment,(3)Prices of last year at the time of harvest,(15)Access to modern retail formats,(16)Labor availability,(17)Daily income,(18)Marketing facilities,(4)Weather,(5)What the rest of the village / my neighbors grow,(6)Availability of seeds and other inputs,(7)A contract,(8)Advice of elders,(19)No source of income,(9)Other (specify)

START ROSTER 4.2:Please give an overview about conservation practices used on your farm!

RosterContents :(1)Minimum tillage/No tillage,(2)Mulching/ Leaving crop residues on the field/ Cover crops,(3)Organic manure/ /FYM,(4)Vermi-compost,(5)Bio Pesticide/integrated pest management,(6)Live barriers on slope against erosion,(7)Planting in contour lines,(8)Poultry manure,(9)Legume intercropping,(10)crop rotations,(11)Drainage ditches,(12)Planting hedges to reduce erosion,(13)Planting trees for shade / to reduce erosion,(14)Collecting rainwater for irrigation (checkdams/farm ponds/ Percolation tanks),(15)Keeping bees on the property

Please give an overview about conservation practices used on your farm! Q.15

conservation_practice

Conservation_Practices

Have you used (practice) in the last 12 months?

For "(practice)" insert the practice of the current row.

(1)Yes,(2)No

Please give an overview about conservation practices used on your farm! Q.16

conservation_reason

Conservation_Practices

Enable if :current.conservaion_practice = 1

Why did you decide to use (practice)?

For "(practice)" insert the practice of the current row.

(1)Increased yield,(2)Ensure sustainability of the production,(3)Became common in this area,(4)Resource conservation and energy saving,(5)Agronomic benefit,(8)Reduced labor cost,(7)Reduced input cost (other than labor),(9)Advised by extension agency,(10)Increased product quality,(12)Other (Specify)

END ROSTER 4.2:Please give an overview about conservation practices used on your farm!

END SCREEN 4:Land Holdings and Plot Management

SCREEN5:Marketing Channels

Enable if :current.farming = 1

Marketing Channels Q.1

sold_ref

Survey

[Go To [crop_price_pref_mman] if:current.sold_ref <> 'Y']

Tick if at least one crop was sold in the land holding section!

Marketing Channels Label

CROPS NAMED HERE MUST MATCH THE CROPS OF THE MANAGEMENT 2016 IN THE LAND HOLDING SECTION!!

START ROSTER 5.1:Crops sold in 2016

Crops sold in 2016 Q.2

crops_sold

Crop_marketing

Which crop(s) did you sell in 2016?

Crops sold in 2016 Q.3

marketing_other_crop_16

Crop_marketing

Other crop. Please specify, if crop is not in the list.

Enable if :current.crops_sold = 148

Crops sold in 2016 Q.4

crop_kind

Crop_marketing

Crop as...

(1)Consumable crop,(2)Consumable crop - Fodder,(3)Residues/By-product - Fodder

Crops sold in 2016 Q.5

crop_month_MC

Crop_marketing

In which month(s) did you sell (crop)?

Open a new row for every "selling season" of the same crop!

(1)January,(2)February,(3)March,(4)April,(5)May,(6)June,(7)July,(8)August,(9)September,(10)October,(11)November,(12)December

SCREEN5.1.1:Marketing

Marketing Label

Crop: [select name_com from crops_com where ID_com = select crops_sold from Crop_marketing where Crop_market_ID = current.Crop_market_ID]

Marketing Q.1

crop_price_info

Crop_marketing

Did you have any price information for (crop) before your decision, where to sell?

(1)Yes,(2)No

Marketing Q.2

crop_price_info_overall

Crop_marketing

Please imply from which of the following marketing channels you knew the price before you decided, where to sell (crop).

(1)Neighbors,(2)Middleman,(3)As street vendor,(4)Farmers market,(5)Wholesale market,(6)APMC,(7)Contract,(8)Cooperative (Society),(9)Traditional retailer,(10)Modern retail format,(11)Other (specify)

Enable if :current.crop_price_info = 1

START ROSTER 5.1.1.1:Marketing Channels

Marketing Channels Q.3

crop_type_MC

Marketing_Crop

Type of marketing channel.

Marketing Channels Q.4

crop_name_MC

Marketing_Crop

Name of marketing channel.

Marketing Channels Q.5

crop_location_MC

Marketing_Crop

Location of marketing channel (Either name of village or City and neighborhood/layout)

SCREEN5.1.1.1.1:Please give more information on the marketing channels for (crop).

Please give more information on the marketing channels for (crop). Label

Crop: [select name_com from crops_com where ID_com = select crops_sold from Crop_marketing where Crop_market_ID = current.Crop_market_ID]

Please give more information on the marketing channels for (crop). Label

Type Marketing Channel: [select M_name from Marketing_channel where M_ID = select crop_type_MC from Marketing_Crop where CropM_ID = current.CropM_ID and crop_market_ID = current.crop_market_ID]

Please give more information on the marketing channels for (crop). Label

Name Marketing Channel: [select crop_name_MC from Marketing_Crop where CropM_ID = current.CropM_ID and crop_market_ID = current.crop_market_ID]

Please give more information on the marketing channels for (crop). Q.1

crop_qty_MC

Marketing_Crop

In kg, how much of (crop) did you sell in (MC)? Please give the MC weight (if available)!

MC weight refers to the weight taken at a certain marketing facility (e.g. wholesale market).

Please give more information on the marketing channels for (crop). Label

Price

Please give more information on the marketing channels for (crop). Q.2

crop_price_MC

Marketing_Crop

What price did you receive on average for 1 kg of (crop) in (MC) (INR)?

Please give more information on the marketing channels for (crop). Q.3

crop_price_det_MC

Marketing_Crop

How did you determine the price?

(1)Mutual negotiation,(2)Reference price,(3)Auction,(4)Other (specify)

Please give more information on the marketing channels for (crop). Q.4

crop_price_mode_MC

Marketing_Crop

How did you receive the payment?

(1)Cash,(2)Cheque,(3)A/C transaction,(4)Other (specify)

Please give more information on the marketing channels for (crop). Q.5

crop_price_delay_MC

Marketing_Crop

Was there a delay in the payment?

(1)Yes,(2)No

Please give more information on the marketing channels for (crop). Label

Transaction cost

Please give more information on the marketing channels for (crop). Q.6

crop_freq_MC

Marketing_Crop

How often did you sell (crop) in (MC)?

(1)Once,(2)Daily,(3)3-4 a week,(4)Weekly,(7)Fortnight,(5)Monthly,(6)Irregular (please state frequency)

Please give more information on the marketing channels for (crop). Q.7

crop_pickup_MC

Marketing_Crop

Was (crop) picked up at your farm?

(1)Yes,(2)No

Please give more information on the marketing channels for (crop). Q.8

crop_pickup_fee_MC

Marketing_Crop

What did you pay for the pickup (INR)?

Enable if :current.crop_pickup_MC = 1

SCREEN5.1.1.1.1.1:Transportation

Enable if :current.crop_pickup_MC = 2

Transportation Q.1

crop_transport_MC

Marketing_Crop

How did you transport (crop) to (MC)?

(1)Walk,(2)Bicycle,(3)Bus,(4)Auto,(10)Shared vehicle,(5)Car,(6)Train,(7)Motorbike,(9)Other (Specify)

Transportation Q.2

crop_trans_cost_MC

Marketing_Crop

How much did it cost you to transport (crop) to (MC) (INR)?

Ask the cost for a roundtrip.

Transportation Q.3

crop_time_MC

Marketing_Crop

How many minutes does it take you to reach (MC)?

Transportation Q.4

crop_hired_MC

Marketing_Crop

Did you hire a person for the transport of (crop)?

(1)Yes,(2)No

Transportation Q.5

crop_hhmember_MC

Marketing_Crop

Which hh member was responsible for bringing (crop) to (MC)?

Enable if :current.crop_hired_MC = 2

Transportation Q.6

crop_load_MC

Marketing_Crop

Did you pay something for loading/unloading of (crop)?

(1)Yes,(2)No

Enable if :current.crop_type_MC not in (1,3)

Transportation Q.7

crop_load_cost_MC

Marketing_Crop

How much did you pay for loading/unloading of (crop) (INR)?

Enable if :current.crop_load_MC = 1

END SCREEN 5.1.1.1.1.1:Transportation

Please give more information on the marketing channels for (crop). Q.9

crop_ca_fee_MC

Marketing_Crop

Did you have to pay any commission or broker fees for marketing (crop)?

(1)Yes,(2)No

Enable if :current.crop_type_MC not in (1,3)

Please give more information on the marketing channels for (crop). Q.10

crop_ca_qty_MC

Marketing_Crop

How much commission or broker fee did you have to pay for selling 1 kg of (crop) (INR)?

Enable if :current.crop_ca_fee_MC = 1

Please give more information on the marketing channels for (crop). Label

Crop preparation

Please give more information on the marketing channels for (crop). Q.11

crop_postharvest

Marketing_Crop

Did you use any post-harvest practices? Such as cleaning, drying, grading, packing of (crop) or anything comparable?

(1)Yes,(2)No

[Go To [crop_weight_home_MC] if:current.crop_postharvest = 2]

START ROSTER 5.1.1.1.1.2:Did you apply any post-harvest practices for (crop)?

Did you apply any post-harvest practices for (crop)? Q.12

crop_postharvest_MC

Practices

Which post-harvest practice did you use?

(1)Cleaning / Washing,(2)Drying,(3)Grading,(4)Packing,(5)Other (specify)

Did you apply any post-harvest practices for (crop)? Q.13

crop_postharvest_loss_MC

Practices

Loss of (crop) due to this practice (percentage):

Did you apply any post-harvest practices for (crop)? Q.14

crop_postharvest_cost_MC **Practices**

How much did you pay for this practice (INR) per kg of (crop)?

Did you apply any post-harvest practices for (crop)? Q.15

crop_postharvest_hprice_MC **Practices**

Did you receive a higher price because of this practice?

(1)Yes,(2)No

Did you apply any post-harvest practices for (crop)? Q.16

crop_postharvest_premium_MC **Practices**

How much more for 1 kg of (crop) did you receive?

Enable if :current.crop_postharvest_hprice_MC = 1

END ROSTER 5.1.1.1.1.2:Did you apply any post-harvest practices for (crop)?

Please give more information on the marketing channels for (crop). Q.17

crop_weight_home_MC **Marketing_Crop**

Did you weight (crop) at home?

(1)Yes,(2)No

Please give more information on the marketing channels for (crop). Q.18

crop_weight_market_MC **Marketing_Crop**

Did you weight (crop) at (MC)?

(1)Yes,(2)No

Enable if :current.crop_type_MC not in (1,3)

Please give more information on the marketing channels for (crop). Q.19

crop_weight_cost_MC **Marketing_Crop**

How much did you pay for weighting (crop) at (MC) (INR)?

Enable if :current.crop_weight_market_MC = 1

Please give more information on the marketing channels for (crop). Q.20

k_weight_comp_MC **Marketing_Crop**

Please tick the appropriate.

(1)Same weight at home and (MC),(2)Weight higher at home,(3)Weight higher at (MC)

Enable if :current.crop_weight_home_MC = 1 and
current.crop_weight_market_MC = 1

Please give more information on the marketing channels for (crop). Label

Price information

Please give more information on the marketing channels for (crop). Q.21

crop_price_info_MC **Marketing_Crop**

Did you have price information for (crop) from (MC) before you left for (MC)?

(1)Yes,(2)No

Please give more information on the marketing channels for (crop). Q.22

crop_info_kind_MC **Marketing_Crop**

What kind of price information did you have for (crop)?

(1)Other farmers,(4)Internet/ Online price information,(5)Contact in market,(78)Village member sent to market,(79)Advice from scientist,(77)Other (Specify)

Enable if :current.crop_price_info_MC = 1

END SCREEN 5.1.1.1.1:Please give more information on the marketing channels for (crop).

END ROSTER 5.1.1.1:Marketing Channels

END SCREEN 5.1.1:Marketing

END ROSTER 5.1:Crops sold in 2016

Marketing Channels Label

Price information

Marketing Channels Q.6

crop_price_pref_mman

Survey

Given you could choose a kind of price information, which would you prefer?

(1)Other farmers,(4)Internet/ Online price information,(5)Contact in market,(78)Village member sent to market,(79)Advice from scientist,(77)Other (Specify)

Marketing Channels Q.7

crop_reasons_sell

Survey

What are the reasons for your decision where to sell?

(1)Distance,(2)Price,(3)Connections/Family,(4)Tradition,(5)Other (specify)

END SCREEN 5:Marketing Channels

SCREEN6:Dairy Production

Enable if :current.farming = 1

Dairy Production Q.1

cows

Survey

Does your household own/manage dairy cattle at the moment?

(1)Yes,(2)No

[Go To [reason_to_stop] if:current.cows = 2]

Dairy Production Q.2

purpose_cattle_milking

Survey

Do you keep cattle also for selling dairy?

(1)Yes,(2)No

[Go To [livestock] if:current.purpose_cattle_milking = 2]

Dairy Production Q.3

drafting_animals

Survey

Do you also use cattle as drafting animals

(1)Yes,(2)No

Enable if :current.purpose_cattle_milking = 1

Dairy Production Label

Interviewer: After answering the first Question with "yes", the following screens will be enabled. Please tip the screen and answer the following questions section by section.

SCREEN6.1:General Information on Cattle Managment

Enable if :current.purpose_cattle_milking = 1

START ROSTER 6.1.1:How much milk are you producing?

RosterContents :(1)Cow,(2)Buffalo

How much milk are you producing? Q.1

cattle_types

Dairy_production

Do you have any of these cattle types?

(1)Yes,(2)No

SCREEN6.1.1.1:Milk production in 2016

START ROSTER 6.1.1.1.1:Milk Production

RosterContents :(1)June to November (2016),(2)February to May (2016),(3)December(2015) to January(2016)

Milk Production Q.1	<i>No of lactating animals</i>
no_animals Season	
Milk Production Q.2	<i>Milk/day in litres on farm</i>
milk_day Season	
Milk Production Q.3	<i>Milk sold in lit/day</i>
milk_sold Season	
Milk Production Q.4	<i>Price per litre</i>
price_milk Season	

END ROSTER 6.1.1.1.1:Milk Production

END SCREEN 6.1.1.1:Milk production in 2016

END ROSTER 6.1.1:How much milk are you producing?

General Information on Cattle Managment Q.2	<i>What is the basis for decision to take up dairy activity?</i>
why_dairy Survey	(1)expecting higher income,(2)reliable income source,(3)for own consumption,(4)dairy farm is inherited,(6)Manure,(7)All,(5)Other(Specify!)
General Information on Cattle Managment Q.3	<i>Who is taking care of the cattle?</i>
caretaking_cows Survey	(1)Wife,(2)Husband,(3)Jointly,(5)Others (Specify),(4)Other (Specify)
General Information on Cattle Managment Q.4	<i>How many years of experience does the caretaker have with cows?</i>
exp_cows Survey	
General Information on Cattle Managment Q.5	<i>Who decides on how money is spend on the dairy business as a whole?</i>
decisions_dairy Survey	(1)Wife,(2)Husband,(3)Jointly,(5)Others (Specify),(4)Other (Specify)
General Information on Cattle Managment Q.6	<i>Are you a cooperative member or shareholder of KMF?</i>
KMF_member Survey	(1)Yes,(2)No
General Information on Cattle Managment Q.7	<i>Are you a cooperative member or shareholder of another organisation?</i>
other_cooperative Survey	(1)Yes,(2)No
General Information on Cattle Managment Q.8	<i>Please state the name of the organisation</i>
name_of_coop Survey	
Enable if :current.other_cooperative=1	
General Information on Cattle Managment Q.9	<i>Why are you NOT a member of KMF?</i>
why_not_kmf Survey	
Enable if :current.KMF_member=2	
General Information on Cattle Managment Q.10	<i>Have you undergone any training programme for dairy?</i>
dairy_programme Survey	(1)Yes,(2)No

General Information on Cattle Managment Q.11

milk_cows**Survey**

[Go To [breed] if:current.milk_cows = 1]

How do you milk your cows?

(1)By hand,(2)With a machine,(3)Both

SCREEN6.1.2:Please give infos in case milking machines are used!

Enable if :current.milk_cows=2 or 3

START ROSTER 6.1.2.1:Milking_machines

Milking_machines Q.1

owned_rented_mm**Milking_Machines***Do you own the milking machine or is it rented?*

(1)Own machine,(2)Machine is rented

Milking_machines Q.2

price_milking_machine**Milking_Machines***Price?*

Enable if :current.owned_rented_mm=1

Milking_machines Q.3

age_milking_machine**Milking_Machines***How old is the machine?*

END ROSTER 6.1.2.1:Milking_machines

END SCREEN 6.1.2:Please give infos in case milking machines are used!

General Information on Cattle Managment Q.12

rent_milking_machines**Survey***IF milking machines are rented how much rent is paid in total per year?*

START ROSTER 6.1.3:Please give information on all cattle on the farm in table below!

Please give information on all cattle on the farm in table below! Q.13

breed**Cattle***Breed*

(1)Indigenous,(2)Crossbreed,(3)Exotic,(4)Buffalo

Please give information on all cattle on the farm in table below! Q.14

stock_sex_cattle**Cattle***Sex*

(1)Male,(2)Female

Please give information on all cattle on the farm in table below! Q.15

draft_animal**Cattle***Exclusively used as draft animal?*

(1)Yes,(2)No

Enable if :current.breed=1

Please give information on all cattle on the farm in table below! Q.16

status_cows**Cattle***Status*

(1)Calf,(6)Heifer,(3)Lactating,(4)Dry,(5)Does not apply

[Go To [cattle_buy] if:current.status_cows = 1]

[Go To [cattle_buy] if:current.status_cows = 5]

[Go To [cattle_buy] if:current.status_cows = 6]

Enable if :current.stock_sex_cattle=2

Please give information on all cattle on the farm in table below! Q.17

no_lactations

Cattle

Enable if :current.stock_sex_cattle=2

Number of lactations in total

Please give information on all cattle on the farm in table below! Q.18

lact_duration

Cattle

Enable if :current.stock_sex_cattle=2

Lactation duration in months

Please give information on all cattle on the farm in table below! Q.19

calv_interval

Cattle

Enable if :current.stock_sex_cattle=2

Calving interval in months

Please give information on all cattle on the farm in table below! Q.20

cattle_buy

Cattle

[Go To [sold_cattle] if:current.cattle_buy = 2]

Bought in the last 12 months?

(1)Yes,(2)No

Please give information on all cattle on the farm in table below! Q.21

price_cattle_bought

Cattle

Enable if :current.cattle_buy=1

Purchasing price?

END ROSTER 6.1.3:Please give information on all cattle on the farm in table below!

General Information on Cattle Managment Q.22

sold_cattle

Survey

[Go To [desire_to_sell] if:current.sold_cattle = 2]

Did you sell any cattle in the last twelve months?

(1)Yes,(2)No

General Information on Cattle Managment Q.23

reason_selling

Survey

What was the reason for selling cattle?

START ROSTER 6.1.4:Please give detail about the cattle you sold!

Please give detail about the cattle you sold! Q.24

sold_breed

Cattle_Sell

Breed

(1)Indigenous,(2)Crossbreed,(3)Exotic,(4)Buffalo

Please give detail about the cattle you sold! Q.25

sold_sex_cattle

Cattle_Sell

Sex

(1)Male,(2)Female

Please give detail about the cattle you sold! Q.26

sold_status_cows

Cattle_Sell

[Go To [price_sold] if:current.sold_status_cows = 1]

[Go To [price_sold] if:current.sold_status_cows = 5]

[Go To [price_sold] if:current.sold_status_cows = 6]

Enable if :current.sold_sex_cattle=2

Status

(1)Calf,(6)Heifer,(3)Lactating,(4)Dry,(5)Does not apply

Please give detail about the cattle you sold! Q.27

sold_no_lactations

Cattle_Sell

Enable if :current.sold_sex_cattle = 2

Number of lactations in total

Please give detail about the cattle you sold! Q.28

price_sold

Cattle_Sell

Price?

END ROSTER 6.1.4:Please give detail about the cattle you sold!

General Information on Cattle Managment Q.29

desire_to_sell

Survey

Would you like to sell your cattle?

(1)Yes,(2)No

General Information on Cattle Managment Q.30

reason_of_desire_selling

Survey

Why would you like to sell them?

Enable if :current.desire_to_sell=1

General Information on Cattle Managment Q.31

cattle_dead

Survey

How many cattle have died within the last 12 months?

[Go To [daily_work_people] if:current.cattle_dead = 0]

START ROSTER 6.1.5:Please give details on the cattle which died throughout the last twelve months

Please give details on the cattle which died throughout the last twelve months Q.32

breed_dead_cow

Dead_cows

Breed

(1)Indigenous,(2)Crossbreed,(3)Exotic,(4)Buffalo

Please give details on the cattle which died throughout the last twelve months Q.33

sex_dead_cow

Dead_cows

Sex

(1)Male,(0)Female

Please give details on the cattle which died throughout the last twelve months Q.34

age_dead_cow

Dead_cows

Age

Please give details on the cattle which died throughout the last twelve months Q.35

yrs_mnths_dys_dead_cow

Dead_cows

Years or months?

(1)Days,(2)Months,(3)Years

Please give details on the cattle which died throughout the last twelve months Q.36

death_cause

Dead_cows

Cause of death

Please give details on the cattle which died throughout the last twelve months Q.37

status_at_death

Dead_cows

Status at death

(1)Calf,(6)Heifer,(3)Lactating,(4)Dry,(5)Does not apply

END ROSTER 6.1.5:Please give details on the cattle which died throughout the last twelve months

END SCREEN 6.1:General Information on Cattle Managment

SCREEN6.2:Labor Use

Enable if :current.purpose_cattle_milking = 1

START ROSTER 6.2.1:How is family and hired labour distributed?

How is family and hired labour distributed? Q.1 daily_work_people	Labor_Dairy_total	Total persons who work daily
How is family and hired labour distributed? Q.2 daily_worked_hours	Labor_Dairy_total	Daily hours worked per person
How is family and hired labour distributed? Q.3 fam_lab_male	Labor_Dairy_total	Number of male family labor
How is family and hired labour distributed? Q.4 fam_lab_female	Labor_Dairy_total	Number of female family labor
How is family and hired labour distributed? Q.5 lab_hirde_male	Labor_Dairy_total	Number of male hired labor
How is family and hired labour distributed? Q.6 hired_lab_female	Labor_Dairy_total	Number of female hired labor

END ROSTER 6.2.1:How is family and hired labour distributed?

SCREEN6.2.2:Hired Labor

Enable if : (select count (*) from Labor_Dairy_total where lab_hirde_male > 0) > 0 or (select count (*) from Labor_Dairy_total where hired_lab_female > 0) > 0

START ROSTER 6.2.2.1:What are the total cost of hired labour?

What are the total cost of hired labour? Q.1 labour_category	Labor_Dairy_hired	Labour category (1)Female hired labour,(2)Male hired labour
What are the total cost of hired labour? Q.2 dur_days	Labor_Dairy_hired	For how many months?
What are the total cost of hired labour? Q.3 hours_worked	Labor_Dairy_hired	Hours worked per day?
What are the total cost of hired labour? Q.4 salary_employee	Labor_Dairy_hired	Salary per month per person (1)Daily,(2)Weekly,(3)Monthly,(4)Yearly
What are the total cost of hired labour? Q.5 salary	Labor_Dairy_hired	Indicate salary for the chosen pattern!

END ROSTER 6.2.2.1:What are the total cost of hired labour?

END SCREEN 6.2.2:Hired Labor

END SCREEN 6.2:Labor Use

SCREEN6.3:Breeding/Calving

Enable if :current.purpose_cattle_milking = 1

Breeding/Calving Q.1

calves_born**Survey**

[Go To [insem_technique] if:current.calves_born = 2]
 Enable if :current.cows = 1

Were any calves born on your farm during the last 12 months?

(1)Yes,(2)No

START ROSTER 6.3.1:Please give details on the calves born during last 12 months!

RosterContents :(1)Indigenous,(2)Crossbreed,(3)Exotic,(4)Buffalo

Please give details on the calves born during last 12 months! Q.2

nu_male_calfs**cattle_breeds***Number of male calfs*

Please give details on the calves born during last 12 months! Q.3

no_female_clafs**cattle_breeds***Number of female calves*

END ROSTER 6.3.1:Please give details on the calves born during last 12 months!

Breeding/Calving Q.4

insem_technique**Survey**

[Go To [insemination_attempts] if:current.insem_technique = 1]

Do you use artificial insemination?

(1)Artificial insemination,(2)Natural mating,(3)Both

Breeding/Calving Q.5

natural_mating**Survey***If NO which form of natural mating are you using?*

(1)Controlled,(2)Uncontrolled

Breeding/Calving Q.6

insemination_attempts**Survey***Do you usually have to inseminate several times until the cow gets pregnant?*

(1)Yes,(2)No

Breeding/Calving Q.7

preferred_breed**Survey***Which semen is preferred by you for artificial insemination of your cows?*

(1)Indigenous,(2)Crossbreed,(3)Exotic,(4)Buffalo

Breeding/Calving Q.8

first_insem**Survey***When is the heifer typically inseminated for the first time?Indicate age of heifer at first insemination in months!*

Breeding/Calving Q.9

cattle_shed_existent**Survey***Do you have a shed for the dairy cattle?*

(1)Yes,(2)No

Breeding/Calving Q.10

shed_material**Survey***What is the shed mainly made of?*

(1)Stone,(2)Wood,(3)Other (Specify),(4)Mixed

Breeding/Calving Q.11

bottom_material**Survey***What is the bottom/ground/floor of the shed made of?*

(1)Stone,(2)Wood,(3)Other (Specify),(4)Mixed

Breeding/Calving Q.12

bottom_coverage

Survey

Do you cover the bottom/ground/floor of the shed to make it more comfortable for the dairy cattle?

(1)Yes,(2)No

Breeding/Calving Q.13

bottom_cover

Survey

What kind of material covers the bottom/ground/floor of the shed?

(1)Rubber mats,(2)Straw,(4)Other (Specify)

Breeding/Calving Q.14

fan_for_heat

Survey

Do you use a fan for the dairy cattle against the heat?

(1)Yes,(2)No

END SCREEN 6.3:Breeding/Calving

SCREEN6.4:Fodder Production and feeding

Enable if :current.purpose_cattle_milking = 1

Fodder Production and feeding Q.1

source_cattle_feed

Survey

What is your main source of cattle feed?

(1)Own production,(2)Purchased,(3)Grazing on own, shared or public pasture,(5)Forage from own, shared or public pasture (Cut and Carry),(4)A mix of all

START ROSTER 6.4.1:Indicate the feed you PURCHASE ONCE A YEAR for using the whole year!

Indicate the feed you PURCHASE ONCE A YEAR for using the whole year! Q.2

yearly_fodder_crop

Fodder_crops_year

Which fodder have you been using for the last 12 months?

(1)Maize,(2)Ragi,(3)Sugar cane,(4)Paddy straw,(5)Jowar,(6)Bajra,(7)Baby corn,(9)Napier grass,(13)Jowra powder,(14)Mineral mixture,(15)Kadla hinddi,(16)Ellae bhusa,(17)Rave bhusa,(18)Coconut flakes,(10)Other (Specify!),(11)Other (Specify!),(12)Other (Specify!)

Indicate the feed you PURCHASE ONCE A YEAR for using the whole year! Q.3

yearly_green_or_dry

Fodder_crops_year

Green or dry fodder?

(1)Green,(2)Dry

Indicate the feed you PURCHASE ONCE A YEAR for using the whole year! Q.4

source_fodder

Fodder_crops_year

Purchased from open market or KMF or from own fields?

(1)Open market,(2)KMF,(3)Sourced from own fields

Indicate the feed you PURCHASE ONCE A YEAR for using the whole year! Q.5

yearly_quantity

Fodder_crops_year

Purchased quantity per year

Indicate the feed you PURCHASE ONCE A YEAR for using the whole year! Q.6

unit_fodder_purch_yearly

Fodder_crops_year

Unit

(1)Kilogram,(2)Gram,(3)Liter,(4)Milliliter,(5)Pieces,(10)Quintal,(11)Ton,(9)Bag/basket (ca. 50 kg),(8)Cart load (specify the capacity (kg) in the pop-up!),(7)Tractor load (specify tractor capacity in the pop-up!),(6)Other (Specify)

Indicate the feed you PURCHASE ONCE A YEAR for using the whole year! Q.7

pr_purch_yearly

Fodder_crops_year

Price per unit

END ROSTER 6.4.1: Indicate the feed you PURCHASE ONCE A YEAR for using the whole year!

START ROSTER 6.4.2: Please indicate feed acquired only for the use from June until November (2016)

Please indicate feed acquired only for the use from June until November (2016) Q.8

summer_fall_fodder_crop Fodder_crops_1

Which fodder have you used from June til November (2016)?

(1)Maize,(2)Ragi,(3)Sugar cane,(4)Paddy straw,(5)Jowar,(6)Bajra,(7)Baby corn,(9)Napier grass,(13)Jowra powder,(14)Mineral mixture,(15)Kadle hinddi,(16)Ellae bhusa,(17)Rave bhusa,(18)Coconut flakes,(10)Other (Specify!),(11)Other (Specify!),(12)Other (Specify!)

Please indicate feed acquired only for the use from June until November (2016) Q.9

summer_fall_green_or_dry Fodder_crops_1

Green or dry?

(1)Green,(2)Dry

Please indicate feed acquired only for the use from June until November (2016) Q.10

summer_fall_source_fodder Fodder_crops_1

Purchased from open market or KMF or sourced from own fields?

(1)Open market,(2)KMF,(3)Sourced from own fields

Please indicate feed acquired only for the use from June until November (2016) Q.11

fodder_purch_summer_fall Fodder_crops_1

If fodder was purchased what was the quantity purchased per month during that period?

Please indicate feed acquired only for the use from June until November (2016) Q.12

unit_fodder_purch_summer_fall Fodder_crops_1

Unit

(1)Kilogramm,(2)Gramm,(3)Liter,(4)Mililiter,(5)Pieces,(10)Quintal,(11)Ton,(9)Bag/basket (ca. 50 kg),(8)Cart load (specify the capacity (kg) in the pop-up!),(7)Tractor load (specify tractor capacity in the pop-up!),(6)Other (Specify)

Please indicate feed acquired only for the use from June until November (2016) Q.13

pr_purch_fodder_summer_fall Fodder_crops_1

Price per unit

END ROSTER 6.4.2: Please indicate feed acquired only for the use from June until November (2016)

START ROSTER 6.4.3: Please indicate feed acquired only for the use from February until May (2016)!

Please indicate feed acquired only for the use from February until May (2016)! Q.14

spring_fodder_crop Fodder_crops_2

Which fodder have you used from February til May (2016) ?

(1)Maize,(2)Ragi,(3)Sugar cane,(4)Paddy straw,(5)Jowar,(6)Bajra,(7)Baby corn,(9)Napier grass,(13)Jowra powder,(14)Mineral mixture,(15)Kadle hinddi,(16)Ellae bhusa,(17)Rave bhusa,(18)Coconut flakes,(10)Other (Specify!),(11)Other (Specify!),(12)Other (Specify!)

Please indicate feed acquired only for the use from February until May (2016)! Q.15

spring_green_or_dry Fodder_crops_2

Green or dry fodder?

(1)Green,(2)Dry

Please indicate feed acquired only for the use from February until May (2016)! Q.16

spring_source_fodder **Fodder_crops_2**

Purchased from open market or KMF or sourced from own fields?

(1)Open market,(2)KMF,(3)Sourced from own fields

Please indicate feed acquired only for the use from February until May (2016)! Q.17

fodder_purch_spring **Fodder_crops_2**

If fodder was purchased what was the quantity purchased per month during that period?

Please indicate feed acquired only for the use from February until May (2016)! Q.18

unit_fodder_purch_spring **Fodder_crops_2**

Unit

(1)Kilogramm,(2)Gramm,(3)Liter,(4)Mililiter,(5)Pieces,(10)Quintal,(11)Ton,(9)Bag/basket (ca. 50 kg),(8)Cart load (specify the capacity (kg) in the pop-up!),(7)Tractor load (specify tractor capacity in the pop-up!),(6)Other (Specify)

Please indicate feed acquired only for the use from February until May (2016)! Q.19

pr_purch_fodder_spring **Fodder_crops_2**

Price per unit

END ROSTER 6.4.3:Please indicate feed acquired only for the use from February until May (2016)!

START ROSTER 6.4.4:Please indicate feed acquired only for the use from December(2015) until January(2016)

Please indicate feed acquired only for the use from December(2015) until January(2016) Q.20

winter_fodder_crop **Fodder_crops_3**

Which fodder have you used from December(2015) til January(2016)?

(1)Maize,(2)Ragi,(3)Sugar cane,(4)Paddy straw,(5)Jowar,(6)Bajra,(7)Baby corn,(9)Napier grass,(13)Jowra powder,(14)Mineral mixture,(15)Kadle hinddi,(16)Ellae bhusa,(17)Rave bhusa,(18)Coconut flakes,(10)Other (Specify!),(11)Other (Specify!),(12)Other (Specify!)

Please indicate feed acquired only for the use from December(2015) until January(2016) Q.21

winter_green_or_dry **Fodder_crops_3**

Green or dry?

(1)Green,(2)Dry

Please indicate feed acquired only for the use from December(2015) until January(2016) Q.22

winter_source_fodder **Fodder_crops_3**

Purchased from open market or KMF or sourced from own fields?

(1)Open market,(2)KMF,(3)Sourced from own fields

Please indicate feed acquired only for the use from December(2015) until January(2016) Q.23

fodder_purch_last_winter **Fodder_crops_3**

If fodder was purchased what was the quantity purchased per month during that period?

Please indicate feed acquired only for the use from December(2015) until January(2016) Q.24

unit_fodder_purch_last_winter **Fodder_crops_3**

Unit

(1)Kilogramm,(2)Gramm,(3)Liter,(4)Mililiter,(5)Pieces,(10)Quintal,(11)Ton,(9)Bag/basket (ca. 50 kg),(8)Cart load (specify the capacity (kg) in the pop-up!),(7)Tractor load (specify tractor capacity in the pop-up!),(6)Other (Specify)

Please indicate feed acquired only for the use from December(2015) until January(2016) Q.25

pr_purch_fodder_last_winter **Fodder_crops_3**

Price per Unit

END ROSTER 6.4.4: Please indicate feed acquired only for the use from December(2015) until January(2016)

Fodder Production and feeding Q.26

not_grow_fodder**Survey**

Enable if : (select count (*) from fodder_crops_year where yearly_quantity > 0) > 0 and (select count (*) from fodder_crops_1 where fodder_purch_summer_fall > 0) > 0 and (select count (*) from fodder_crops_2 where fodder_purch_spring > 0) > 0 and (select count (*) from fodder_crops_3 where fodder_purch_last_winter > 0) > 0

What are the TWO major reasons for not growing fodder?

Fodder Production and feeding Q.27

store_fodder**Survey**

Do you have the possibility to store the fodder?

(1)Yes,(2)No

Fodder Production and feeding Q.28

stock_last**Survey**

Enable if :current.store_fodder = 1

How many months does your stock last?

Fodder Production and feeding Q.29

same_feeding**Survey**

Do you give the same feed to all cattle?

(1)Yes,(2)No

Fodder Production and feeding Q.30

feeding_specific**Survey**

Do you sometimes feed one of your cattle more or less than the others?

(1)Yes,(2)No

Fodder Production and feeding Q.31

feeding_regime**Survey**

Enable if :current.feeding_specific = 1

Please specify why you sometimes feed more or less!

END SCREEN 6.4:Fodder Production and feeding

SCREEN6.5:Dairy Farm Expenses

Enable if :current.purpose_cattle_milking = 1

Dairy Farm Expenses Q.1

cattle_shed_Y_N**Survey**

Do you have a seperate cattle shed?

(1)Yes,(2)No

Dairy Farm Expenses Q.2

shed_expense**Survey**

Enable if : (current.cattle_shed_Y_N=1)

What was the maintenance expenditure and upgrading of the cattle shed throughout the last 24 months?

Dairy Farm Expenses Q.3

cattle_electricity_Y_N**Survey**

Do you have a seperate electricity meter for cattle shed?

(1)Yes,(2)No

Dairy Farm Expenses Q.4

shed_electrictiy_expense**Survey**

Enable if : (current.cattle_electricity_Y_N=1)

What was the electicity expenditure of the cattle shed last MONTH ?

Dairy Farm Expenses Q.5 ai_expense Survey	How much did you pay for artificial insemination throughout the last 12 months?
Dairy Farm Expenses Q.6 vet_exp Survey	What were the fees paid to veterinary doctor throughout the last 12 months, excluding medical expenses ?
Dairy Farm Expenses Q.7 med_expense_cattle Survey	What was the total medical expense incurred on your dairy farm throughout the last 12 months?
Dairy Farm Expenses Q.8 extn_service_expense_Y_N Survey	Did you have to pay for any dairy extension services during the last 12 months? (1)Yes,(2)No
Dairy Farm Expenses Q.9 extn_service_expense_dairy Survey Enable if :current.extn_service_expense_Y_N=1	If yes, What was the total expense?
Dairy Farm Expenses Q.10 freq_extn_visit_dairy Survey	What is the frequency of visit by dairy extension agent during one year? (1)Once,(2)Daily,(3)3-4 a week,(4)Weekly,(7)Fortnight,(5)Monthly,(6)Irregular (please state frequency)
Dairy Farm Expenses Q.11 other_expenses_dairy_specify Survey	Any other expenses on dairy production within the last 12 months, please specify below? (1)Yes,(2)No
Dairy Farm Expenses Q.12 other_expense_cattle_specify1 Survey Enable if :(current.other_expenses_dairy_specify=1)	Other expense 1: Specify!
Dairy Farm Expenses Q.13 other_expense_cattle1 Survey Enable if :(current.other_expenses_dairy_specify=1)	Other expense 1: Amount spent
Dairy Farm Expenses Q.14 other_expense_cattle_specify2 Survey Enable if :(current.other_expenses_dairy_specify=1)	Other expense 2: Specify!
Dairy Farm Expenses Q.15 other_expense_cattle2 Survey Enable if :(current.other_expenses_dairy_specify=1)	Other expense 2: Amount spent
Dairy Farm Expenses Q.16 reas_expenses_dairy Survey Enable if :current.cows = 1	What are the THREE biggest reasons for dairy production expenses?

END SCREEN 6.5:Dairy Farm Expenses

SCREEN6.6:Watering

Enable if :current.purpose_cattle_milking = 1

Watering Q.1

water_cattle

Survey

Enable if :current.cows = 1

How often do you give water to your cattle?

(1)Once per day,(2)Twice per day,(3)Three times a day,(4)Constant access

Watering Q.2

water_souce_cattle

Survey

To which water source do your cattle have access?

(1)Piped,(2)Tube Well with electric pump,(3)Tube Well with fuel pump,(4)Rainwater,(5)Dug, open well,(6)Covered well,(7)River, canal, stream,(8)Pond,(9)Tanker Truck,(12)Other (Specify)

END SCREEN 6.6:Watering

SCREEN6.7:Manure Management

Enable if :current.purpose_cattle_milking = 1

Manure Management Q.1

use_manure

Survey

How do you use your manure?

(7)Used on own fields,(2)Sold,(3)As heating/fuel for cooking,(4)Exchanged,(5)Burned as waste,(6)Thrown away

Manure Management Q.2

manure_last_yr

Survey

How much manure do you produce in a year? Indicate quantity in tractor loads!

Manure Management Q.3

produced_manure_last_twelve

Survey

Units

(1)Kilogramm,(2)Gramm,(3)Liter,(4)Mililiter,(5)Pieces,(10)Quintal,(11)Ton,(9)Bag/basket (ca. 50 kg),(8)Cart load (specify the capacity (kg) in the pop-up!),(7)Tractor load (specify tractor capacity in the pop-up!),(6)Other (Specify)

Manure Management Q.4

sold_manure_last_twelve_months

Survey

How much manure have you sold in the last 12 months? Indicate units below!

Manure Management Q.5

Units_manure_sold

Survey

Units

(1)Kilogramm,(2)Gramm,(3)Liter,(4)Mililiter,(5)Pieces,(10)Quintal,(11)Ton,(9)Bag/basket (ca. 50 kg),(8)Cart load (specify the capacity (kg) in the pop-up!),(7)Tractor load (specify tractor capacity in the pop-up!),(6)Other (Specify)

END SCREEN 6.7:Manure Management

SCREEN6.8:Grazing System

Enable if :current.purpose_cattle_milking = 1

Grazing System Q.1

grazing

Survey

[Go To [cut_carry] if:current.grazing = 2]

Do you let your cattle graze?

(1)Yes,(2)No

Grazing System Q.2

grazing_system

Survey

Enable if :current.cows = 1

What type of grazing system are you using?

(2)Semi-grazing,(3)Full grazing

Grazing System Label	Semi-grazing=Grazing ON pasture+residues & concentrates Full-grazing=Only grazing+residues and no other sources of fodder!
Grazing System Q.3 time_per_day Survey Enable if :current.grazing_system = 2 OR current.grazing_system = 3	For how many hours a day is the cattle out on the pasture?
Grazing System Q.4 people_bring_graz Survey Enable if :current.grazing_system = 2 OR current.grazing_system = 3	How many persons per day bring herd for grazing?
END SCREEN 6.8:Grazing System	
SCREEN6.9:Cut & Carry Enable if :current.purpose_cattle_milking = 1	
Cut & Carry Q.1 cut_carry Survey [Go To [qual_milk] if:current.cut_carry = 2]	Do you cut forage off farm and carry it back to the farm? (1)Yes,(2)No
Cut & Carry Q.2 cut_carry_loads_per_week Survey	How many loads per week?
Cut & Carry Q.3 no_pers_cut_carry Survey	How many persons per day go to cut & carry fodder ?
Cut & Carry Q.4 time_per_load Survey	How much time in total does it take for one load? Please indicate time in hours!
END SCREEN 6.9:Cut & Carry	
SCREEN6.10:Milk Marketing Channels Enable if :current.purpose_cattle_milking = 1	
Milk Marketing Channels Q.1 qual_milk Survey	How is the quality of your milk in terms of fat content? (Give the %fat as checked by cooperative and others)
Milk Marketing Channels Q.2 only_criterion Survey [Go To [mix_for_sale] if:current.only_criterion = 1]	Is fat the only quality criterion? (1)Yes,(2)No
Milk Marketing Channels Q.3 other_criteria Survey Enable if :current.only_criterion = 2	What are other criteria? (1)Other (Specify),(2)Other (Specify),(3)Other (Specify)

Milk Marketing Channels Q.4

mix_for_sale

Survey

Do you mix buffalo and cattle milk to sell it?

(1)Yes,(2)No

Milk Marketing Channels Q.5

price_cow_milk_area

Survey

What is the price of cows milk in your area?

Milk Marketing Channels Q.6

price_buff_milk_area

Survey

What is the price of buffalo milk in your area?

START ROSTER 6.10.1:Please indicate to whom you are selling your milk!

RosterContents : (4)Government KMF,(5)Farmers milk cooperative,(1)Consumer (Neighbors),(2)Middlemen (Milkmen),(3)Shopkeeper

Please indicate to whom you are selling your milk!
Q.7

ranking_bought_16

Marketing_Channels_Dairy

Please rank the four channels for the year 2016! Rank the most important channel with 1!

Please indicate to whom you are selling your milk!
Q.8

price_16

Marketing_Channels_Dairy

Price per litre 2016

Please indicate to whom you are selling your milk!
Q.9

ranks_bought_11

Marketing_Channels_Dairy

Please rank the four channels for the year 2011! Rank the most important channel with 1!

Please indicate to whom you are selling your milk!
Q.10

pr_milk_channels

Marketing_Channels_Dairy

Price per litre 2011

Please indicate to whom you are selling your milk!
Q.11

time_sell_customer

Marketing_Channels_Dairy

How long are you selling the milk to the particular customers? (years)

Please indicate to whom you are selling your milk!
Q.12

freq_pay_milk

Marketing_Channels_Dairy

What is the payment pattern?

(1)daily,(2)weekly,(3)fortnight,(4)monthly

Please indicate to whom you are selling your milk!
Q.13

fixed_cust

Marketing_Channels_Dairy

Fixed customers (1) or temporary (2)?

Please indicate to whom you are selling your milk!
Q.14

fixed_how_many

Marketing_Channels_Dairy

If fixed how many?

END ROSTER 6.10.1:Please indicate to whom you are selling your milk!

START ROSTER 6.10.2:How long/far is each processor's collecting point from the farm?

How long/far is each processor's collecting point from the farm? Q.15

process_name

Dairy_Processors

Name of processor?

How long/far is each processor's collecting point from the farm? Q.16

dist_to_process

Dairy_Processors

Distance to collection point in meters?

How long/far is each processor's collecting point from the farm? Q.17

time_to_process

Dairy_Processors

How long does it take you to get there in minutes?

How long/far is each processor's collecting point from the farm? Q.18

transport_milk

Dairy_Processors

Which mode do you use to transport the milk for sale?

(1)Walk,(2)Bicycle,(3)Bus,(4)Auto,(10)Shared vehicle,(5)Car,(6)Train,(7)Motorbike,(9)Other (Specify)

END ROSTER 6.10.2:How long/far is each processor's collecting point from the farm?

Milk Marketing Channels Q.19

selling_dairy

Survey

[Go To [livestock] if:current.selling_dairy = 2]

Do you produce dairy products for sale?

(1)Yes,(2)No

END SCREEN 6.10:Milk Marketing Channels

SCREEN6.11:Dairy processing

Enable if :current.selling_dairy=1

Dairy processing Q.1

milk_stored

Survey

Is milk stored and cooled before getting processed?

(1)Yes,(2)No

Dairy processing Q.2

actual_storage

Survey

How much storage for milk in liters?

Dairy processing Q.3

own_milk

Survey

Do you only process your own milk?

(1)Yes,(2)No

Dairy processing Q.4

income_paid

Survey

Salary and wage expenses throughout the last 12 months?

Dairy processing Q.5

labour

Survey

Quantity of long-term labour either hired or family?

Dairy processing Q.6 maintenance	Survey	Repair and maintenance expenditures throughout the last 12 months?
Dairy processing Q.7 Investments	Survey	Investments in machines throughout the last 12 months
Dairy processing Q.8 Power_consumption	Survey	Power consumption in value units for machinery throughout the last 12 months?

START ROSTER 6.11.1:Processing_machines

Processing_machines Q.9 machine_type	Processing_machines	Type of machine
Processing_machines Q.10 owned_rented [Go To [machine_rent_per_year] if:current.owned_rented = 2]	Processing_machines	Owned or rented? (1)Own machine,(2)Machine is rented
Processing_machines Q.11 price_machine	Processing_machines	Price?
Processing_machines Q.12 machine_rent_per_year	Processing_machines	If machine is rented how much rent is paid in total per year?
Processing_machines Q.13 age_machine	Processing_machines	How old is the machine?

END ROSTER 6.11.1:Processing_machines

SCREEN6.11.2:Dairy products

START ROSTER 6.11.2.1:Particulars

RosterContents
:(1)Butter,(2)Ghee,(3)Buttermilk,(5)Curd,(6)Khova,(7)Paneer,(8)Cheese

Particulars Q.1 particular_dairy	Dairy_products	Did you produce any of these particular items within the last 14 days?
Particulars Q.2 qty_produced Enable if :(current.particular_dairy='Y')	Dairy_products	Quantity in units produced within the last 14 days?
Particulars Q.3 qty_produced_units Enable if :(current.particular_dairy='Y')	Dairy_products	units (1)Kilogramm,(2)Gramm,(3)Liter,(4)Mililiter,(5)Pieces,(10)Quintal,(11)Ton,(9)Bag/basket (ca. 50 kg),(8)Cart load (specify the capacity (kg) in the pop-up!),(7)Tractor load (specify tractor capacity in the pop-up!),(6)Other (Specify)
Particulars Q.4 conversion_rate Enable if :(current.particular_dairy='Y')	Dairy_products	How much milk is used for one unit?

SCREEN6.11.2.1.1:Output & Marketing

Enable if :(current.particular_dairy="Y")

START ROSTER 6.11.2.1.1.1:Marketing

RosterContents :(1)consumer (neighbors),(2)shopkeeper,(3)cooperative,(4)private collector

Marketing Q.1

Units sold 2016

Units_sold_2016

Marketchannels_dairy_products

Marketing Q.2

Price per litre 2016

price1_16

Marketchannels_dairy_products

Marketing Q.3

Units sold 2011

Units_sold_2011

Marketchannels_dairy_products

Marketing Q.4

Price per litre 2011

pr1_milk_channels

Marketchannels_dairy_products

Marketing Q.5

How long are you selling the milk to following customers? (yrs)

time1_sell_customer

Marketchannels_dairy_products

Marketing Q.6

What is the payment pattern?

freq1_pay_milk

Marketchannels_dairy_products

(1)daily,(2)weekly,(3)fortnight,(4)monthly

Marketing Q.7

Majority fixed customers (1) or temporary (2)?

fixed1_cust

Marketchannels_dairy_products

Marketing Q.8

If fixed how many?

fixed1_how_many

Marketchannels_dairy_products

Marketing Q.9

Place of sale?

Place_sold

Marketchannels_dairy_products

END ROSTER 6.11.2.1.1.1:Marketing

END SCREEN 6.11.2.1.1:Output & Marketing

END ROSTER 6.11.2.1:Particulars

END SCREEN 6.11.2:Dairy products

END SCREEN 6.11:Dairy processing

END SCREEN 6:Dairy Production

SCREEN7:Livestock Production

Enable if :current.farming = 1

Livestock Production Q.1

IF you had dairy cattle before why did you stop?

reason_to_stop

Survey

Enable if :current.cows=2

Livestock Production Q.2

Does your household own other livestock?

livestock

Survey

(1)Yes,(2)No

[Go To [aware_ext_serv] if:current.livestock = 2]

SCREEN7.1:Livestock production (except cows)

Enable if :current.livestock = 1

START ROSTER 7.1.1:Please give details of livestock production and utilization form October 2015 to November 2016..

Please give details of livestock production and utilization form October 2015 to November 2016..
Q.1

What livestock species other than cows did you own between October 2015 and November 2016?

livestock_species

Livestock

Please give details of livestock production and utilization form October 2015 to November 2016..
Q.2

How many (livestock) did you own in the beginning October 2015?

livestock_no_rabi

Livestock

Please give details of livestock production and utilization form October 2015 to November 2016..
Q.3

What was the value of one (livestock) in the beginning of October 2015 (INR)?

livestock_value_rabi

Livestock

SCREEN7.1.1.1:Changes throughout the last year

Changes throughout the last year Label

Livestock: [select name_com from livestock_com where ID_com = select livestock_species from Livestock where Livest_ID = current.Livest_ID]

Changes throughout the last year Q.1

How many (livestock) did you sell between the beginning of October 2015 and the end of November 2016?

livestock_sold

Livestock

Changes throughout the last year Q.2

livestock_price**Livestock**

Enable if :current.livestock_sold > 0

How much did you receive for one (livestock) (INR)?

Changes throughout the last year Q.3

livestock_consumption**Livestock***How much of (livestock) did you use within you hh between the beginning of October 2015 and the end of November 2016?*

Changes throughout the last year Q.4

livestock_death**Livestock***How much of (livestock) died without being consumed in any way?*

Changes throughout the last year Q.5

livestock_offspring**Livestock***How many (livestock) where born on your farm between the beginning of October 2015 and the end of November 2016?*

END SCREEN 7.1.1.1:Changes throughout the last year

Please give details of livestock production and utilization form October 2015 to November 2016..
Q.4**livestock_no_kharif****Livestock***How many (livestock) did you own in the end of November 2016?*Please give details of livestock production and utilization form October 2015 to November 2016..
Q.5**livestock_value_kharif****Livestock***What was the value of one (livestock) in the end of November 2016 (iNR)?*

Enable if :current.livestock_no_kharif > 0

SCREEN7.1.1.2:Expenditure throughout the year in INR

Expenditure throughout the year in INR Label

Livestock: [select name_com from livestock_com where ID_com = select livestock_species from Livestock where Livest_ID = current.Livest_ID]

Expenditure throughout the year in INR Q.1

livestock_cost_vet**Livestock***How much did you spend on veterinary treatment for (livestock) between the beginning of October 2015 and the end of November 2016 (INR)?*

Expenditure throughout the year in INR Q.2

livestock_cost_feed**Livestock***How much did you spend on feed for (livestock) between the beginning of October 2015 and the end of November 2016 (INR)?*

Expenditure throughout the year in INR Q.3

livestock_cost_hired_labor**Livestock***How much did you spend on hired labor for (livestock) between the beginning of October 2015 and the end of November 2016 (INR)?*

Expenditure throughout the year in INR Q.4

livestock_cost_other**Livestock***Please state also other expenditures for (livestock) between the beginning of October 2015 and the end of November 2016 (INR).*

Expenditure throughout the year in INR Label

Subsidies

Expenditure throughout the year in INR Q.5

livestock_subsidy

Livestock

Did you receive any fodder subsidies?

(1)Yes,(2)No

END SCREEN 7.1.1.2:Expenditure throughout the year in INR

Please give details of livestock production and utilization from October 2015 to November 2016.. Q.6

livestock_f_labor

Livestock

Did any hh member work on (livestock) between the beginning of October 2015 and the end of November 2016?

(1)Yes,(2)No

SCREEN7.1.1.3:Family Labor

Enable if :current.livestock_f_labor = 1

Family Labor Label

Crop: [select name_com from livestock_com where ID_com = select livestock_species from Livestock where Livest_ID = current.Livest_ID]

START ROSTER 7.1.1.3.1:Please give information on which hh member worked on (livestock) between the beginning of October 2015 and the end of November 2016.

Please give information on which hh member worked on (livestock) between the beginning of October 2015 and the end of November 2016. Q.1

livestock_f_labor_hhm

FLabor_Livestock

HH member:

Please give information on which hh member worked on (livestock) between the beginning of October 2015 and the end of November 2016. Q.2

livestock_days_hhm

FLabor_Livestock

How many labordays did he/she work on (livestock)?

END ROSTER 7.1.1.3.1:Please give information on which hh member worked on (livestock) between the beginning of October 2015 and the end of November 2016.

END SCREEN 7.1.1.3:Family Labor

SCREEN7.1.1.4:Marketing Channels Livestock

Enable if :current.livestock_sold > 0

Marketing Channels Livestock Label

Interviewer: This section refers exclusively to sales of living livestock. That means one unit is a living animal! (Meat sales should be recorded in the Livestock product section!)

Marketing Channels Livestock Label

Livestock: [select name_com from livestock_com where ID_com = select livestock_species from Livestock where Livest_ID = current.Livest_ID]

START ROSTER 7.1.1.4.1:Marketing Channels Livestock

Marketing Channels Livestock Q.1

livestock_type_MC

Livestock_Marketing

Type of marketing channel.

Marketing Channels Livestock Q.2

livestock_name_MC

Livestock_Marketing

Name of marketing channel.

If Neighbors or Street vendor is chosen in Q.3, give location/village here!

Marketing Channels Livestock Q.3

livestock_location_MC

Livestock_Marketing

Location of marketing channel (Either name of village or City and neighborhood/layout)

Marketing Channels Livestock Q.4

livestock_month_MC

Livestock_Marketing

In which month(s) did you sell (livestock)?

Open a new row for every "selling season" of the same marketing channel!

(1)January,(2)February,(3)March,(4)April,(5)May,(6)June,(7)July,(8)August,(9)September,(10)October,(11)November,(12)December

SCREEN7.1.1.4.1.1:Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016!

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Label

Livestock: [select name_com from livestock_com where ID_com = select livestock_species from Livestock where Livest_ID = current.Livest_ID]

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Label

Type Marketing Channel: [select M_name from Marketing_channel where M_ID = select livestock_type_MC from Livestock_Marketing where MLive_ID = current.MLive_ID and Livest_ID = current.Livest_ID]

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Label

Name Marketing Channel: [select livestock_name_MC from Livestock_Marketing where MLive_ID = current.MLive_ID and Livest_ID = current.Livest_ID]

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.1

livestock_qty_MC

Livestock_Marketing

How many (livestock) did you sell in (MC) between the beginning of October 2015 and the end of November 2016?

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Label

Price

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.2

livestock_price_MC

Livestock_Marketing

What price did you receive on average per (livestock) in (MC) (INR)?

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.3

livestock_price_det_MC **Livestock_Marketing**

How did you determine the price?

(1)Mutual negotiation,(2)Reference price,(3)Auction,(4)Other (specify)

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.4

livestock_price_mode_MC **Livestock_Marketing**

How did you receive the payment?

(1)Cash,(2)Cheque,(3)A/C transaction,(4)Other (specify)

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Label

Transaction cost

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.5

livestock_freq_MC **Livestock_Marketing**

How often did you sell (livestock) in (MC) in this particular "selling season"?

(1)Once,(2)Daily,(3)3-4 a week,(4)Weekly,(7)Fortnight,(5)Monthly,(6)Irregular (please state frequency)

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.6

livestock_pickup_MC **Livestock_Marketing**

Was (livestock) picked up at your farm?

(1)Yes,(2)No

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.7

livestock_pickup_fee_MC **Livestock_Marketing**

What did you pay for the pickup (INR)?

Enable if :current.livestock_pickup_MC = 1

SCREEN7.1.1.4.1.1.1:Transportation

Enable if :current.livestock_pickup_MC = 2

Transportation Q.1

livestock_time_MC **Livestock_Marketing**

How many minutes does it take you to reach (MC)?

Transportation Q.2

livestock_transport_MC **Livestock_Marketing**

How did you transport (livestock) to (MC)?

(1)Walk,(2)Bicycle,(3)Bus,(4)Auto,(10)Shared vehicle,(5)Car,(6)Train,(7)Motorbike,(9)Other (Specify)

Transportation Q.3

livestock_trans_cost_MC **Livestock_Marketing**

How much did it cost you to transport (livestock) to (MC) (INR)?

Ask the cost for a roundtrip.

Transportation Q.4

livestock_hired_MC **Livestock_Marketing**

Did you hire a person for the transport of (livestock)?

(1)Yes,(2)No

Transportation Q.5

livestock_hhmember_MC **Livestock_Marketing**

Enable if :current.livestock_hired_MC = 2

Which hh member was responsible for bringing (livestock) to (MC)?

Transportation Q.6

livestock_load_MC **Livestock_Marketing***Did you pay something for loading/unloading of (livestock)?*

(1)Yes,(2)No

Transportation Q.7

livestock_load_cost_MC **Livestock_Marketing**

Enable if :current.livestock_load_MC = 1

How much did you pay for loading/unloading of (livestock) (INR)?

END SCREEN 7.1.1.4.1.1.1:Transportation

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.8

livestock_ca_fee_MC **Livestock_Marketing**

Enable if :current.livestock_type_MC not in (1,3)

Did you have to pay any commission or broker fees for marketing (livestock)?

(1)Yes,(2)No

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.9

livestock_ca_qty_MC **Livestock_Marketing**

Enable if :current.livestock_ca_fee_MC = 1

How much commission or broker fee did you have to pay (entire season!) (INR)?

END SCREEN 7.1.1.4.1.1:Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016!

END ROSTER 7.1.1.4.1:Marketing Channels Livestock

END SCREEN 7.1.1.4:Marketing Channels Livestock

END ROSTER 7.1.1:Please give details of livestock production and utilization form October 2015 to November 2016..

END SCREEN 7.1:Livestock production (except cows)

Livestock Production Q.3

livestock_product **Survey**[Go To [aware_ext_serv] if:current.livestock_product = 2]
Enable if :current.livestock = 1*Does your household generate livestock products except dairy?*

(1)Yes,(2)No

SCREEN7.2:Livestock products (except dairy)

Enable if :current.livestock = 1 AND current.livestock_product = 1

Livestock products (except dairy) Label

Interviewer: All of the following questions refer only to one livestock product. Whenever "(product)" appears in the question, make sure the respondent understands the question refers (exclusively) to the product defined Q.1 and Q.2 of the current row!

START ROSTER 7.2.1: Between the beginning of October 2015 and the end of November 2016, please give details on produced livestock products.

Between the beginning of October 2015 and the end of November 2016, please give details on produced livestock products. Q.1
liveprod_name_product **Livestock_Product**

Which livestock products except dairy did you produce between the beginning of October 2015 and the end of November 2016?

Between the beginning of October 2015 and the end of November 2016, please give details on produced livestock products. Q.2
liveprod_species **Livestock_Product**
 Enable if :current.liveprod_name_product not in (7, 9)

Please imply the species from which the product is derived!

Between the beginning of October 2015 and the end of November 2016, please give details on produced livestock products. Q.3
liveprod_qty_produced **Livestock_Product**

How much of (product) did you produce between the beginning of October 2015 and the end of November 2016?

Between the beginning of October 2015 and the end of November 2016, please give details on produced livestock products. Q.4
liveprod_unit_livestock **Livestock_Product**

Unit

(1)Kilogramm,(2)Gramm,(3)Liter,(4)Mililiter,(5)Pieces,(10)Quintal,(11)Ton,(9)Bag/basket (ca. 50 kg),(8)Cart load (specify the capacity (kg) in the pop-up!),(7)Tractor load (specify tractor capacity in the pop-up!),(6)Other (Specify)

Between the beginning of October 2015 and the end of November 2016, please give details on produced livestock products. Q.5
liveprod_qty_consumed **Livestock_Product**

How much of (product) did you consume in your hh between the beginning of October 2015 and the end of November 2016?

Between the beginning of October 2015 and the end of November 2016, please give details on produced livestock products. Q.6
liveprod_qty_sold **Livestock_Product**

How much of (product) did you sell between the beginning of October 2015 and the end of November 2016?

SCREEN 7.2.1.1: Marketing Channels Livestock Products

Enable if :current.liveprod_qty_sold > 0

Marketing Channels Livestock Products Label

Livestock product: [select name_com from liveprod_com where ID_com = select liveprod_name_product from Livestock_product where livest_prod = current.livest_prod]

Marketing Channels Livestock Products Label

Livestock species: [select name_com from livestock_com where ID_com = select liveprod_species from Livestock_product where livest_prod = current.livest_prod]

Marketing Channels Livestock Products Label

Interviewer: All of the following questions refer only to the livestock product described above. Whenever "(product)" appears in the question, make sure the respondent understands the question refers (exclusively)

Marketing Channels Livestock Products Label *to this livestock product!*

START ROSTER 7.2.1.1.1:Marketing Channels Livestock Product

Marketing Channels Livestock Product Q.1 *Type of marketing channel.*
liveprod_type_MC **LiveProduct_Marketing**

Marketing Channels Livestock Product Q.2 *Name of marketing channel.*
liveprod_name_MC **LiveProduct_Marketing** *If Neighbors or Street vendor is chosen in Q.3, give location/village here!*

Marketing Channels Livestock Product Q.3 *Location of marketing channel (Either name of village or City and neighborhood/layout)*
liveprod_location_MC **LiveProduct_Marketing**

SCREEN7.2.1.1.1.1:Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016!

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Label *Livestock product: [select name_com from liveprod_com where ID_com = select liveprod_name_product from Livestock_product where livest_prod = current.livest_prod]*

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Label *Livestock species: [select name_com from livestock_com where ID_com = select liveprod_species from Livestock_product where livest_prod = current.livest_prod]*

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Label *Type Marketing Channel: [select M_name from Marketing_channel where M_ID = select liveprod_type_MC from LiveProduct_Marketing where MLiveProd_ID = current.MLiveProd_ID and livest_prod = current.livest_prod]*

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Label *Name Marketing Channel: [select liveprod_name_MC from LiveProduct_Marketing where MLiveProd_ID = current.MLiveProd_ID and livest_prod = current.livest_prod]*

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.1 *How much of (product) did you sell in (MC) between the beginning of October 2015 and the end of November 2016?*
liveprod_qty_MC **LiveProduct_Marketing**

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.2 *Unit*
liveprod_unit_MC **LiveProduct_Marketing** *Use also, whenever one of the following questions refers to a (unit)!
 (1)Kg,(2)Piece,(3)Liter*

Please give more information on the marketing channels between the beginning of October 2015 *Price*

and the end of November 2016! Label	Price
Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.3 liveprod_price_MC LiveProduct_Marketing	<i>What price did you receive on average per kg, liter or piece (see Q.2) of (product) in (MC) (INR)?</i>
Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.4 liveprod_price_det_MC LiveProduct_Marketing	<i>How did you determine the price?</i> (1)Mutual negotiation,(2)Reference price,(3)Auction,(4)Other (specify)
Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.5 liveprod_price_mode_MC LiveProduct_Marketing	<i>How did you receive the payment?</i> (1)Cash,(2)Cheque,(3)A/C transaction,(4)Other (specify)
Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.6 liveprod_price_delay_MC LiveProduct_Marketing	<i>Was there a delay in the payment?</i> (1)Yes,(2)No
Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Label	Transaction cost
Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.7 liveprod_freq_MC LiveProduct_Marketing	<i>How often did you sell (product) in (MC) between the beginning of October 2015 and the end of November 2016?</i> (1)Once,(2)Daily,(3)3-4 a week,(4)Weekly,(7)Fortnight,(5)Monthly,(6)Irregular (please state frequency)
Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.8 liveprod_pickup_MC LiveProduct_Marketing [Go To [liveprod_ca_fee_MC] if:current.liveprod_pickup_MC = 1] Enable if :current.liveprod_type_MC in (2,7,8,9,10,11)	<i>Was (product) picked up at your farm?</i> (1)Yes,(2)No
Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.9 liveprod_pickup_fee_MC LiveProduct_Marketing Enable if :current.liveprod_pickup_MC = 1	<i>What did you pay for the pickup (INR)?</i>
SCREEN7.2.1.1.1.1:Transportation Enable if :current.liveprod_pickup_MC = 2	

Transportation Q.1

liveprod_time_MC

LiveProduct_Marketing

How many minutes does it take you to reach (MC)?

Transportation Q.2

liveprod_transport_MC

LiveProduct_Marketing

How did you transport (product) to (MC)?

(1)Walk,(2)Bicycle,(3)Bus,(4)Auto,(10)Shared vehicle,(5)Car,(6)Train,(7)Motorbike,(9)Other (Specify)

Transportation Q.3

liveprod_trans_cost_MC

LiveProduct_Marketing

How much did it cost you to transport (product) to (MC) (INR)?

Ask the cost for a roundtrip.

Transportation Q.4

liveprod_hired_MC

LiveProduct_Marketing

Did you hire a person for the transport of (product)?

(1)Yes,(2)No

Transportation Q.5

liveprod_hhmember_MC

LiveProduct_Marketing

Which hh member was responsible for bringing (product) to (MC)?

Enable if :current.liveprod_hired_MC = 2

Transportation Q.6

liveprod_load_MC

LiveProduct_Marketing

Did you pay something for loading/unloading of (product)?

(1)Yes,(2)No

Transportation Q.7

liveprod_load_cost_MC

LiveProduct_Marketing

How much did you pay for loading/unloading of (product) (INR)?

Enable if :current.liveprod_load_MC = 1

END SCREEN 7.2.1.1.1.1.1:Transportation

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Label

Product preparation

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Label

Interviewer: If not stated otherwise the loss and costs refer to the entire season!

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Label

Please imply which of the following practices you used in order to prepare (product) for marketing in this season.

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.10

liveprod_practice

LiveProduct_Marketing

Did you use any practice to treat the product before selling? Such as cleaning, drying, grading, packing of (crop) or anything comparable?

(1)Yes,(2)No

[Go To [liveprod_ca_fee_MC] if:current.liveprod_practice = 2]

START ROSTER 7.2.1.1.1.2:Did you apply any practices for (product)?

Did you apply any practices for (product)? Q.11

liveprod_practice_MC

Practices_LiveProd

Which practice did you use?

(1)Cleaning / Washing,(2)Drying,(3)Grading,(4)Packing,(5)Other (specify)

Did you apply any practices for (product)? Q.12

liveprod_practice_loss_MC

Practices_LiveProd

Loss of (crop) due to this practice (percentage):

Did you apply any practices for (product)? Q.13

liveprod_practice_cost_MC

Practices_LiveProd

How much did you pay for this practice (INR) per (unit) of (product)?

Did you apply any practices for (product)? Q.14

liveprod_practice_unit

Practices_LiveProd

Unit

(1)Kg,(2)Piece,(3)Liter

Did you apply any practices for (product)? Q.15

liveprod_practice_hprice_MC

Practices_LiveProd

Did you receive a higher price because of this practice?

(1)Yes,(2)No

Did you apply any practices for (product)? Q.16

liveprod_practice_premium_MC

Practices_LiveProd

How much more for 1 (unit) of (crop) did you receive?

Enable if :current.liveprod_practice_hprice_MC = 1

END ROSTER 7.2.1.1.1.2:Did you apply any practices for (product)?

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.17

liveprod_ca_fee_MC

LiveProduct_Marketing

Did you have to pay any commission or broker fees for marketing (product)?

(1)Yes,(2)No

Enable if :current.liveprod_type_MC not in (1,3)

Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016! Q.18

liveprod_ca_qty_MC

LiveProduct_Marketing

How much commission or broker fee did you have to pay (entire season!) (INR)?

Enable if :current.liveprod_ca_fee_MC = 1

END SCREEN 7.2.1.1.1.1:Please give more information on the marketing channels between the beginning of October 2015 and the end of November 2016!

END ROSTER 7.2.1.1.1:Marketing Channels Livestock Product

END SCREEN 7.2.1.1:Marketing Channels Livestock Products

END ROSTER 7.2.1:Between the beginning of October 2015 and the end of November 2016, please give details on produced livestock products.

END ROSTER 7.2.1:Between the beginning of October 2015 and the end of November 2016, please give details on produced livestock products.

END SCREEN 7.2:Livestock products (except dairy)

END SCREEN 7:Livestock Production

SCREEN8:Extensions

Enable if :current.farming = 1

Extensions Label

Interviewer: If crops were not a topic of the extension service, please simply answer ther question of "Was it related to any crop in particular" with no

START ROSTER 8.1:Extensions

RosterContents :(1)Training and Visit,(2)Farmer Field School,(3)E-Extension,(4)Radio/ TV,(5)Farmer to Farmer

Extensions Q.1

aware_ext_serv

Extensions

Aware of the Method

(1)Yes,(2)No

Extensions Q.2

method_used

Extensions

Have you used this Method during the las 12 months?

(1)Yes,(2)No

Enable if :current.aware_ext_serv = 1

Extensions Q.3

satisfact_indo

Extensions

How satisfied were you with the information received?

(1)Very unsatisfied,(2)unsatisfied,(3)satisfied,(4)very satisfied,(5)Does not apply

Enable if :current.aware_ext_serv = 1 AND
current.method_used = 1

Extensions Q.4

provide_extension

Extensions

Who is the main provider of the extension to your household?

(1)Gyt,(2)NGO,(3)Private Co,(4)CBO,(5)Other (specify),(6)don't know,(7)Does not apply

Enable if :current.aware_ext_serv = 1 AND
current.method_used = 1

SCREEN8.1.1:What topics are taught?

What topics are taught? Q.1

extension_topics

Extensions

What topics are taught?

(1)New Crop Varieties,(2)Agricultural insurance,(3)Field pest and diease control,(4)Input quality,(5)Input availability,(6)Input markets and prices,(7)Output markets and prices,(8)Soil and water management,(9)Crop rotation/ minimum tillage,(10)Safe use of pesticides,(11)Adaption to climate change,(12)Postharverst handeling,(13)Collective action,(14)Livestock production,(15)Tree planting,(16)Other (specify)

Enable if :current.aware_ext_serv = 1 AND
current.method_used = 1

END SCREEN 8.1.1:What topics are taught?

SCREEN8.1.2:Was it related to any crop in particular?

Enable if :current.aware_ext_serv = 1 AND current.method_used = 1

Was it related to any crop in particular? Q.1

extension_crop**Extensions**Enable if :current.aware_ext_serv = 1 AND
current.method_used = 1*Was it related to any crop in particular?*

(1)Yes,(2)No

Was it related to any crop in particular? Q.2

extension_crop_no**Extensions***How many crops?*

Was it related to any crop in particular? Label

Please imply the crops.

Was it related to any crop in particular? Q.3

crops_taught1**Extensions***Crop 1:*

Was it related to any crop in particular? Q.4

crops_taught2**Extensions***Crop 2:*

Was it related to any crop in particular? Q.5

crops_taught3**Extensions***Crop 3:*

Was it related to any crop in particular? Q.6

crops_taught4**Extensions***Crop 4:*

Was it related to any crop in particular? Q.7

crops_taught_other**Extensions***Crop other:*

END SCREEN 8.1.2:Was it related to any crop in particular?

END ROSTER 8.1:Extensions

Extensions Q.5

policy_suggest**Survey***Can you think of any specific policy not mentioned so far (including extension, but also subsidies), that the government could implement to facilitate your agricultural production?*

END SCREEN 8:Extensions

SCREEN9:Agricultural Water Use

Enable if :current.farming = 1

START ROSTER 9.1:Please specify the source for any water that you
use in agriculture (including irrigation, but also dairy)Please specify the source for any water that you
use in agriculture (including irrigation, but also
dairy) Q.1**sour_water****Watersources***Source*(1)Piped,(2)Tube Well with electric pump,(3)Tube Well with fuel pump,(4)Rainwater,(5)Dug,
open well,(6)Covered well,(7)River, canal, stream,(8)Pond,(9)Tanker Truck,(12)Other
(Specify)Please specify the source for any water that you
use in agriculture (including irrigation, but also
dairy) Q.2**wtr_qlty****Watersources***Water quality*

(1)Very good,(2)Good,(3)Fluctuating,(4)Bad,(5)Very Bad

Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.3 start_use Watersources	<i>Start of use (year)</i>
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.4 reas_aban Watersources	<i>Reason for use</i> (1)the source became available,(2)previous source(s) had reduced water,(4)increased output and needed better source,(3)common in the area / others are using it as well,(6)simply wanted to try something new,(5)Other (Specify)
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.5 source_abandoned Watersources	<i>Still in use?</i> (1)Yes,(2)No
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.6 rain_harvest Watersources Enable if :current.sour_water = 4	<i>Rainwater harvesting device installed?</i> (1)Yes,(2)No
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.7 owner_source Watersources Enable if :(current.sour_water IN (2,3,5,6,8)) OR (current.sour_water = 4 AND current.rain_harvest = 1)	<i>Owner of the source</i> (1)Me/ My household,(2)Government/ Panchayath,(3)Another farmer/ household from the village,(4)Farmer/ household from another village,(5)Other (specify)
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.8 paid_installation_source Watersources Enable if :current.sour_water NOT IN (1,4,7,9)	<i>Paid for installation of source itself (INR)</i>
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.9 pump Watersources Enable if :(current.sour_water IN (5,6,7,8)) AND current.source_abandoned = 1	<i>Transport by pump?</i> (1)Yes,(2)No
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.10 paid_installation Watersources Enable if :(current.sour_water IN (2,3,5,6,7,8)) OR (current.sour_water = 4 AND current.rain_harvest = 1)	<i>Paid for installing technology (INR)</i>
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.11 maint_paid Watersources Enable if :current.source_abandoned = 1 AND (current.sour_water IN (2,3,5,6,7,8)) OR (current.sour_water = 4 AND current.rain_harvest = 1))	<i>Paid for maintenance in the last twelve months (INR)?</i>

Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.12

HP_pump

Watersources

Enable if : (current.sour_water IN (2,3) OR current.pump = 1)
AND current.source_abandoned = 1

HP of pump

Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.13

capacity_pump

Watersources

Enable if : (current.sour_water IN (2,3,5,6,7,8)) AND
current.source_abandoned = 1

Capacity in liters per hour

Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.14

time

Watersources

Enable if : (current.sour_water IN (2,3,5,6,7,8)) AND
current.source_abandoned = 1

Hours per day in use

Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.15

bwelldpth

Watersources

Enable if : current.sour_water IN (2,3,5,6)

Depth (feet)

Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.16

tube_size

Watersources

Enable if : current.sour_water IN (2,3)

Tube size

(1)2 Inches,(2)3 Inches,(3)4 Inches,(4)5 Inches,(5)6 Inches

Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.17

last_deepening

Watersources

Enable if : current.sour_water IN (2,3,5,6)

Last deepening of well (year)

Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.18

last_movement

Watersources

Enable if : current.sour_water IN (2,3,5,6)

Last well movement (year)

Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.19

rain_harv_capac

Watersources

Enable if : current.sour_water = 4 AND current.rain_harvest = 1

Rainwater harvest surface area in square feet

Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.20

water_days_use

Watersources

Enable if : current.source_abandoned = 1

Days per year in use

Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.21 qty_water Watersources Enable if :current.source_abandoned = 1 and (current.sour_water IN (1,9) OR current.owner_source IN (2,3,4,5,6,7,8,9))	<i>Quantity in litre per day</i>
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.22 price Watersources Enable if :current.source_abandoned = 1 and (current.sour_water IN (1,9) OR current.owner_source IN (2,3,4,5,6,7,8,9))	<i>Price per litre</i>
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.23 price_per_hr_buy Watersources Enable if :current.source_abandoned = 1 and (current.sour_water IN (1,9) OR current.owner_source IN (2,3,4,5,6,7,8,9))	<i>Price per pumping hour</i>
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.24 access_water Watersources Enable if :current.source_abandoned = 1 AND (current.sour_water IN (2,3,5,6,7,8) OR (current.sour_water = 4 AND current.rain_harvest = 1))	<i>Who has access to the source?</i> (1)everyone,(2)only me,(3)the one who pays
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.25 qty_water_sold Watersources	<i>Quantity sold in pumping hours</i>
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.26 price_per_hr_sell Watersources	<i>Selling price per pumping hour</i>
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.27 stting_rules Watersources Enable if :current.source_abandoned = 1 and current.access_water = 1	<i>Who sets rules for the source?</i> (1)Me/ My household,(2)Government/ Panchayath,(3)Another farmer/ household from the village,(4)Farmer/ household from another village,(5)Other (specify)
Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.28 use_source Watersources Enable if :current.source_abandoned = 1 and current.access_water = 1	<i>Can one use the source without being noticed?</i> (1)Yes,(2)No

Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.29

excl

Watersources

Enable if :current.source_abandoned = 1 and
current.access_water = 1

Would it be possible to exclude somebody from using the source?

(1)Yes,(2)No

Please specify the source for any water that you use in agriculture (including irrigation, but also dairy) Q.30

sanct

Watersources

Enable if :current.source_abandoned = 1 and
current.access_water = 1

Does anything happen to somebody who does not abide by rules?

(1)Yes,(2)No

SCREEN9.1.1:What kind of sanctions?

What kind of sanctions? Q.1

sanct_type

Watersources

Enable if :current.source_abandoned = 1 and
current.access_water = 1 and current.sanct = 1

What kind of sanctions?

(1)One has to pay a fee,(2)Social exclusion,(3)Usage rights are denied,(4)Other (specify)

END SCREEN 9.1.1:What kind of sanctions?

END ROSTER 9.1:Please specify the source for any water that you use in agriculture (including irrigation, but also dairy)

Agricultural Water Use Q.31

water_percept

Survey

Please indicate how much you agree with the following statement: I feel like I have sufficient water for all my agricultural activities.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Agricultural Water Use Q.32

GPS_Borewell

Survey

Enumerators: please indicate GPS device for measured borewell

Agricultural Water Use Q.33

waypoint_borewell

Survey

Please indicate the waypoint

END SCREEN 9:Agricultural Water Use

SCREEN10:Certification

Enable if :current.farming = 1

START ROSTER 10.1:Certification

RosterContents :(1)India Organic (NSOP),(2)PGS (PGS Organic India Council),(3)PGS - INDIA GREEN (NCOF),(4)PGS - INDIA ORGANIC (NCOF),(5)Fabindia,(6)ICCOA lable,(7)Navdanya Guarantee,(8)UTZ certified,(9)Global Gap,(10)Tesco,(11)Demeter International (BDAI)

Certification Q.1

certific_schemes

Certification_Schemes

Have you heard about these Certification Schemes?

(1)Yes,(2)No

Certification Q.2

info_certification

Certification_Schemes

Where did you get information about this scheme?

(1)Other farmer,(2)Processing Company,(3)Government Agency,(4)NGO,(5)Other (specify)

Enable if :current.certific_schemes = 1

Certification Q.3

trainig_recieved**Certification_Schemes**

Enable if :current.certific_schemes = 1

Have you received any training about this certification scheme?

(1)Yes,(2)No

Certification Q.4

training_provider**Certification_Schemes**

Enable if :current.trainig_recieved = 1

Who provided it?

(1)Other farmer,(2)Procecssing Company,(3)Government Agency,(4)NGO,(5)Other (specify)

END ROSTER 10.1:Certification

Certification Q.5

certified**Survey***At present, do you hold this certification?*

(1)Yes,(2)No

Certification Q.6

cert_held**Survey**

Enable if :current.certified = 1

Which of these certifications do you hold?

(1)Organic,(2)UTZ certified,(3)Global GAP,(4)Tesco

Certification Q.7

reason_involve**Survey**

Enable if :current.certified = 1

What was yor main reason for involvement?

(1)Requirement by processing company,(2)Legal Requirments,(3)expecting higher prices,(4)expecting higher yields,(5)expecting positive effects on the environment,(77)Other (Specify)

Certification Q.8

reason_no_certification**Survey**

Enable if :current.certified = 2

What was your main reason not to get certified?

(1)Don't have information,(2)No land titles,(3)It's expensive,(4)No benefit,(5)Too cumbersome,(77)Other (specify)

Certification Label

Please indicate whether you agree or disagree with the following statements.

Certification Q.9

higher_oncome**Survey***I reach a higher income with the certification.*

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Certification Q.10

certific_env**Survey**

Enable if :current.certified = 1

The certification is good for the environment.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Certification Q.11

cert_extra_work**Survey**

Enable if :current.certified = 1

The certification means extra work for me.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Certification Q.12

more_cert**Survey**

Enable if :current.certified = 1

More companies should have the certification.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Certification Q.13

cert_improve_env**Survey**

Enable if :current.certified = 1

The certification improved the environmental quality in my plantation (e.g. water quality, soil fertility, water availability, bird diversity).

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Certification Q.14

respect_nature**Survey***To be a good farmer one has to respect nature.*

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Certification Q.15

contorl_weed

Survey

Chemicals are the only way to control weeds, pests, and diseases.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Certification Q.16

org_fruits

Survey

Organic vegetables and fruits taste better.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Certification Q.17

destroy_soil

Survey

Too much chemicals destroy the soil.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

END SCREEN 10:Certification

SCREEN11:Social and environmental preferences

Social and environmental preferences Label

Let me remind you again, there is no right or wrong answer. We just ask you to choose as truthfully as you can, whatever option may apply most to you and your personal circumstances.

SCREEN11.1:Interaction with other people

Interaction with other people Label

First, let me ask you some general questions about yourself please.

Interaction with other people Q.1

life_sat

Survey

All things considered, how satisfied are you with your life as a whole these days?

(1)Not at all,(2)Slightly,(3)Moderately,(4)Quite a bit,(5)Very much,(6)No answer

Interaction with other people Q.2

trust_stranger

Survey

How much would you trust a total stranger you meet for the first time?

(1)Not at all,(2)Slightly,(3)Moderately,(4)Quite a bit,(5)Very much,(6)No answer

Interaction with other people Label

Enumerators: Please approach table step by step and explain!

START ROSTER 11.1.1:Please give an overview about places and groups of people where you FREQUENTLY interact with other people OUTSIDE YOUR HOME!

Please give an overview about places and groups of people where you FREQUENTLY interact with other people OUTSIDE YOUR HOME! Q.3

meet_type

social_interaction

Type

(1)location,(2)people,(3)both

Please give an overview about places and groups of people where you FREQUENTLY interact with other people OUTSIDE YOUR HOME! Q.4

loc_meeting

social_interaction

If location: Where do you meet?

(1)Own village/neighbourhood,(2)nearby village/neighbourhood,(3)Big city,(4)Other State,(5)Foreign Country

Enable if :current.meet_type = 1 or current.meet_type = 3

Please give an overview about places and groups of people where you FREQUENTLY interact with other people OUTSIDE YOUR HOME! Q.5

village_interact

social_interaction

Enable if : (current.meet_type = 1 or current.meet_type = 3)
and current.loc_meeting = 2

If location nearby: Name of village

Please give an overview about places and groups of people where you FREQUENTLY interact with other people OUTSIDE YOUR HOME! Q.6

purpose

social_interaction

For which purpose?

(1)Work,(2)Visiting relatives and friends,(3)Shopping,(4)Other leisure activities,(5)Other (Specify)

Please give an overview about places and groups of people where you FREQUENTLY interact with other people OUTSIDE YOUR HOME! Q.7

once_interact

social_interaction

Was it one time only?

(1)Yes,(2)No

Please give an overview about places and groups of people where you FREQUENTLY interact with other people OUTSIDE YOUR HOME! Q.8

interact_lump

social_interaction

Enable if : current.once_interact = 1

How many days during the last 12 months?

Please give an overview about places and groups of people where you FREQUENTLY interact with other people OUTSIDE YOUR HOME! Q.9

ave_hours

social_interaction

Enable if : current.once_interact = 2

How many hours a day on average?

Please give an overview about places and groups of people where you FREQUENTLY interact with other people OUTSIDE YOUR HOME! Q.10

av_hours_2yrs

social_interaction

Enable if : current.once_interact = 2

And how many hours per day on average two years ago?

Please give an overview about places and groups of people where you FREQUENTLY interact with other people OUTSIDE YOUR HOME! Q.11

settings_prefer

social_interaction

How much do you enjoy the time spent there?

(1)Not at all,(2)Slightly,(3)Moderately,(4)Quite a bit,(5)Very much,(6)No answer

Please give an overview about places and groups of people where you FREQUENTLY interact with other people OUTSIDE YOUR HOME! Q.12

settings_identi

social_interaction

How much do you feel part of the setting?

(1)Not at all,(2)Slightly,(3)Moderately,(4)Quite a bit,(5)Very much,(6)No answer

END ROSTER 11.1.1: Please give an overview about places and groups of people where you FREQUENTLY interact with other people OUTSIDE YOUR HOME!

Interaction with other people Q.13

settings_feeling

Survey

I feel very different in one / some then in others.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Interaction with other people Q.14

settings_distinct

Survey

I think of these settings as distinct worlds.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Interaction with other people Q.15

settings_similarities

Survey

I can see a lot of similarities between these settings.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

END SCREEN 11.1:Interaction with other people

SCREEN11.2:Statemenst describing the person

Statemenst describing the person Label

Now, please indicate if these statements describe yourself well.

Statemenst describing the person Q.1

foreign_company

Survey

I have worked or still am working for a foreign company.

(1)Yes,(2)No,(3)No answer

Statemenst describing the person Q.2

travell_overseas

Survey

I have travelled overseas.

(1)Yes,(2)No,(3)No answer

Statemenst describing the person Q.3

relatives_oroverseas

Survey

I have friends or relatives overseas.

(1)Yes,(2)No,(3)No answer

Statemenst describing the person Q.4

shy

Survey

I am sometimes shy, inhibited.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Statemenst describing the person Q.5

self_interest

Survey

I would alwas sacrifice my self interest for my group.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Statemenst describing the person Q.6

lazy

Survey

I tend to be lazy.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Statemenst describing the person Q.7

relaxed

Survey

I am relaxed and do NOT get stressed easily.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Statemenst describing the person Q.8

indiff_beauty

Survey

I am indifferent to beauty and artistic creativity.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Statemenst describing the person Q.9

sociable

Survey

I am sociable and outgoing.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Statementst describing the person Q.10 rude Survey	<i>I can be aloof and rude to others</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Statementst describing the person Q.11 thorough_job Survey	<i>I usually do a thorough job.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Statementst describing the person Q.12 nervous Survey	<i>I get nervous and upset easily.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Statementst describing the person Q.13 active_image Survey	<i>I have an active imagination - pictures and ideas keep coming to my mind.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Statementst describing the person Q.14 stay_in_group Survey	<i>I would stay in a group if they needed me, even if I were not happy with the group.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Statementst describing the person Q.15 crit_people Survey	<i>I directly criticize people, even strangers.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Statementst describing the person Q.16 harmonic_group Survey	<i>It is important for me to maintain harmony within my group.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Statementst describing the person Q.17 deserve_more Survey	<i>I often feel like deserving more then others.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Statementst describing the person Q.18 happiness Survey	<i>My happiness depends on people around myself.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Statementst describing the person Q.19 act_same Survey	<i>I act the same way no matter who I am with.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Statementst describing the person Q.20 unique_enjoy Survey	<i>I enjoy being unique and different from others in many respects.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

END SCREEN 11.2:Statementst describing the person

SCREEN11.3:Trust Game (Investment Game)

Trust Game (Investment Game) Label

Now you can earn a mobile card of your choice. Please imagine the following situations, and tell us how you would decide in a situation like this in your everyday life. The value will depend on how you decide, and

Trust Game (Investment Game) Label

on coincidence - so again, there is no right or wrong. Please answer as truthfully as you can!

Trust Game (Investment Game) Label

Situation A (Respondent): First, here you have a mobile card worth INR 100. You can either keep the card, or it can be split and you can give some of it to a person you have never met and will never meet. If you send any share of the card to the person, I will triple the amount sent. The person can decide to keep all the money and not send anything back to you, so you will only end up with what you kept in the beginning. The person can also decide to send you back some of the now tripled amount that you sent. Remember, this could mean that the person actually keeps a substantial share of what you sent, but you still get back more than you sent, because I add something to it.

START ROSTER 11.3.1:Trust Game A

RosterContents :(1)How many INR would you send?,(2)How much do YOU believe is (morally) RIGHT?,(4)...If the person was a typical person that you know from the context of your main occupation?,(5)How much would MOST PEOPLE you would meet at your main occupation send to someone they have never met before, do you think?,(6)...and how much would THEY believe is (morally) RIGHT?

Trust Game A Q.1

trust_game_a

A_trust_game

Situation A

END ROSTER 11.3.1:Trust Game A

[HIDDEN]Trust Game (Investment Game)

Rand3

Survey

New Question

Trust Game (Investment Game) Q.2

reason_TG1

Survey

Why (Situation A, Question 1)

Trust Game (Investment Game) Label

This share of what you sent has been returned: Rs. [current.Rand3]

Trust Game (Investment Game) Label

Situation B (Imaginary person):

[HIDDEN]Trust Game (Investment Game)

Rand1

Survey

Rupees

[HIDDEN]Trust Game (Investment Game)

Rand101

Survey

x

Trust Game (Investment Game) Label

Now imagine you are that other person. You received a mobile card worth Rs. [SELECT Rand1 FROM survey] because somebody you have never met and will never meet just sent them to you. The value of the mobile card you received is three times the amount the person actually sent, because I tripled it: Rs. [SELECT Rand101 FROM survey] Now you are free to keep the whole card that you received, or send any share of the value back to the person.

START ROSTER 11.3.2:Trust Game B

RosterContents :(1)How many INR would you send back?,(2)How much do YOU believe is (morally) RIGHT?,(4)...If the person was a typical person that you know from the context of your main occupation?,(5)How much would MOST PEOPLE you would meet at your main occupation send to someone they have never met before, do you think?,(6)...and how much would THEY

START ROSTER 11.3.2:Trust Game B

believe is (morally) RIGHT?

Trust Game B Q.3

trust_game_b

B_trust_game

Situation B

END ROSTER 11.3.2:Trust Game B

Trust Game (Investment Game) Q.4

reason_TG2

Survey

Why (Situation B, Question 1)

[HIDDEN]Trust Game (Investment Game)

trustpayoff

Survey

trustpayoff

Trust Game (Investment Game) Label

Enumerators : Award a mobile card worth INR [current.trustpayoff] at the end of first interview.

Trust Game (Investment Game) Q.5

TG_man_check

Survey

How easy was understanding of Trust Game as a whole?

(1)Very easy,(2)Easy,(3)difficult,(4)very difficult,(5)Impossible

END SCREEN 11.3:Trust Game (Investment Game)

SCREEN11.4:New Environmental Paradigm, Knowledge/Awareness

New Environmental Paradigm,
Knowledge/Awareness Label

Please also indicate how much you agree with the following statements.

New Environmental Paradigm,
Knowledge/Awareness Q.1

num_people

Survey

We are approaching the limit of the number of people the earth can support.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

New Environmental Paradigm,
Knowledge/Awareness Q.2

nat_env

Survey

Humans have the right to modify the natural environment to suit their needs.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

New Environmental Paradigm,
Knowledge/Awareness Q.3

climate_change

Survey

Have you heard of climate change?

(1)Yes,(2)No

New Environmental Paradigm,
Knowledge/Awareness Q.4

learn_enough

Survey

Humans will eventually learn enough about how nature works to be able to control it.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

New Environmental Paradigm,
Knowledge/Awareness Q.5

abuse_env

Survey

Humans are severely abusing the environment.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

New Environmental Paradigm,
Knowledge/Awareness Q.6
obj_laws **Survey**

Nature follows objective laws which humans are in principle able to understand.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

New Environmental Paradigm,
Knowledge/Awareness Q.7
people_job **Survey**

Most people you come across at your main occupation generally believe that nature follows objective laws which humans are in principle able to understand.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

New Environmental Paradigm,
Knowledge/Awareness Q.8
disast_cons **Survey**

When humans interfere with nature it often produces disastrous consequences.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

New Environmental Paradigm,
Knowledge/Awareness Q.9
water_unchanged **Survey**

The situation of water resources in and around Bangalore has remained largely unchanged in the last decades.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

END SCREEN 11.4:New Environmental Paradigm,
Knowledge/Awareness

SCREEN11.5:Social Hierachy

Social Hierachy Label

Now may I ask you to remember the place and the people at your the place of your main occupation. Please indicate if you think that these statements describe the people and more general circumstances there well.

Social Hierachy Q.1
change_2yrs **Survey**

Nothing much has changed there in the last 2 years.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Social Hierachy Q.2
ppl_per_day **Survey**

How many people do you come across per day?

(1)Nobody,(2)between 1 and 5,(3)between 6 and 10,(4)between 20 and 100,(5)more then 100

Social Hierachy Q.3
interact_people **Survey**

I enjoy interacting with people during work.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Social Hierachy Q.4
help_needed **Survey**

I can get what I want usually without the help of anybody.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Social Hierachy Q.5
happy_work **Survey**

The way things are organized in the context of my work, working together usually makes everybody happier.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Social Hierachy Q.6 impose_will	Survey	<i>I often feel like people impose their will on me / people make me do something I do not want to do.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Social Hierachy Q.7 keeping_promise	Survey	<i>Whenever I do business with someone, they will do their best to keep their promises</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Social Hierachy Q.8 influence_others	Survey	<i>Others have an influence on how well I get along.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Social Hierachy Q.9 not_lose	Survey	<i>I have nothing to lose if somebody takes advantage of me here.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Social Hierachy Q.10 best_interest	Survey	<i>People I come across usually seem to have my best interest in mind.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Social Hierachy Q.11 gains_losses	Survey	<i>The way things work at my workplace, other people's gains often are my losses.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Social Hierachy Q.12 good_business	Survey	<i>People I have come to know usually were really good at what their business was there.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Social Hierachy Q.13 fair_people	Survey	<i>People I interact with always try to be fair to everyone.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

END SCREEN 11.5:Social Hierachy

SCREEN11.6:Urbinazation, Modernization, Globalization

Urbinazation, Modernization, Globalization Label		<i>May I ask you to still think of the people and circumstances at where your main occupation takes place. Please indicate if you think that these statements describe the people and more general circumstances there well.</i>
Urbinazation, Modernization, Globalization Q.1 diff_language	Survey	<i>A lot of people I come across have a different mother tongue.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Urbinazation, Modernization, Globalization Q.2 diff_town	Survey	<i>A lot of people I come across come from another town</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Urbinazation, Modernization, Globalization Q.3 diff_rel	Survey	<i>A lot of people I come across adhere a differnt religion.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Urbinazation, Modernization, Globalization Q.4 diff_caste	Survey	<i>A lot of people I come across belong to different caste.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Urbinazation, Modernization, Globalization Q.5 no_indians	Survey	<i>A lot of people I come across are Indian nationals.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Urbinazation, Modernization, Globalization Q.6 ppl_know_me	Survey	<i>If I come across a person on the street, chances are they will know who I am.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Urbinazation, Modernization, Globalization Q.7 incr_mess	Survey	<i>The number of messages (phone, mail, network) that I receive per day has increased during the last 5 years.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Urbinazation, Modernization, Globalization Q.8 com_media	Survey	<i>Media are a common sight at my work.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Urbinazation, Modernization, Globalization Q.9 type_media	Survey	<i>Please indicate the type of media used at your workplace.</i> (1)Mobile,(2)Computers,(3)Internet,(4)TV,(5)Written language
Urbinazation, Modernization, Globalization Q.10 aplication	Survey	<i>When recruiting public sector employees, something about the applicant - other than pure qualifications for the job - frequently decide who gets the job.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Urbinazation, Modernization, Globalization Q.11 gov_off	Survey	<i>Generally speaking, government officials frequently decide by taking something about the specific person that asks the favor into account.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Urbinazation, Modernization, Globalization Q.12 local_event	Survey	<i>People are informed more about local than international events here.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Urbinazation, Modernization, Globalization Q.13 local_trad	Survey	<i>People's identification with local traditions is very weak here.</i> (1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer
Urbinazation, Modernization, Globalization Q.14 brands_at_work	Survey	<i>How many of the following brands do you frequently come across at your main occupation?</i> (1)Mac Donalds,(2)Facebook,(3)Apple,(4)Youtube,(5)Coke,(6)Visa,(7)Nike,(8)Ebay,(9)Starbucks,(10) Toyota,(11)Samsung

Urbanization, Modernization, Globalization Q.15

trade_change

Survey

International trade has changed how things are done at work.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Urbanization, Modernization, Globalization Q.16

climate_unaffected

Survey

What happens to me at my main occupation is unaffected by climate change.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

END SCREEN 11.6:Urbanization, Modernization, Globalization

SCREEN11.7:Environmental preferences

Environmental preferences Label

Please indicate how well these statements describe yourself and the people that you meet at your main occupation.

Enumerators: Please ask row by row!

Environmental preferences Q.1

cons_water_1

Survey

I try to conserve water whenever possible.

(1)Not at all,(2)Slightly,(3)Moderately,(4)Quite well,(5)Very well,(6)No answer

Environmental preferences Q.2

dispose_rub_1

Survey

I dispose of rubbish in designated places.

(1)Not at all,(2)Slightly,(3)Moderately,(4)Quite well,(5)Very well,(6)No answer

Environmental preferences Q.3

green_space_1

Survey

I contribute to green space e.g. by having trees on my property.

(1)Yes,(2)No

Environmental preferences Q.4

biodiv_1

Survey

I provide facilities for bees to settle on my property.

(1)Yes,(2)No

Enable if :current.farming = 2

Environmental preferences Q.5

bees_pref

Survey

I would like to have (more) bees on my property.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

START ROSTER 11.7.1:Please indicate how much you agree to the following statements! **Enumerator: Please finish sentence!**

RosterContents :(1)I personally should ...,(2)It would be desirable that people in this area...

Please indicate how much you agree to the following statements! **Enumerator: Please finish sentence! Q.6**

cons_water

Module_8

...use as much water as I / they like.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Please indicate how much you agree to the following statements! **Enumerator: Please finish sentence! Q.7**

dispose_rubbish

Module_8

... dispose of rubbish in designated places.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Please indicate how much you agree to the following statements! **Enumerator: Please finish sentence! Q.8**
green_space **Module_8**

... contribute to green space e.g. by having trees on my property.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Please indicate how much you agree to the following statements! **Enumerator: Please finish sentence! Q.9**
biodivers **Module_8**

... providing facilities for bees to settle on my grounds.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Please indicate how much you agree to the following statements! **Enumerator: Please finish sentence! Q.10**
soil_conserv **Module_8**
 Enable if :SELECT farming FROM survey = 1

...use chemicals to increase farm output.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

END ROSTER 11.7.1:Please indicate how much you agree to the following statements! **Enumerator: Please finish sentence!**

START ROSTER 11.7.2:And again, please indicate how much you agree to the following statements! **Enumerator: Please finish sentence!**

RosterContents :(1)It would be beneficial to my health if I would ..., (2)It is easy for me to ..., (3)I feel responsible to..., (4)Poorer people could benefit if I would ..., (5)People at my main occupation feel responsible to ..., (6)It is normal for people at my main occupation to ...

And again, please indicate how much you agree to the following statements! **Enumerator: Please finish sentence! Q.11**
zwo_dispose_rubbish **Module_8_C_H**

... dispose of rubbish in designated places.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

And again, please indicate how much you agree to the following statements! **Enumerator: Please finish sentence! Q.12**
zwo_cons **Module_8_C_H**

...use as much water as I / they like.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

END ROSTER 11.7.2:And again, please indicate how much you agree to the following statements! **Enumerator: Please finish sentence!**

Environmental preferences Q.13
parks_regularly **Survey**

Do you regularly go to the parks?

(1)Yes,(2)No

Environmental preferences Q.14
parks_specify **Survey**
 Enable if :current.parks_regularly = 1

Which park?

Environmental preferences Q.15
parks_freq **Survey**
 Enable if :current.parks_regularly = 1

How often?

(1)at least once a year,(2)More than once a month,(3)more than once a week,(4)almost daily

Environmental preferences Q.16

parks_time**Survey**

Enable if :current.parks_regularly = 1

How long do you usually spend there?

(1)less than 10 minutes,(2)between 10 minutes and half an hour,(3)between half an hour and 2 hours,(4)between 2 hours and the whole day

Environmental preferences Q.17

parks_time_arrive**Survey***How long does it / would it take you to get there?*

(1)less than 10 minutes,(2)between 10 minutes and half an hour,(3)between half an hour and an hour,(4)between 2 hours and 3 hourss,(5)none (no park nearby)

END SCREEN 11.7:Environmental preferences

SCREEN11.8:Nature Experience

START ROSTER 11.8.1:Nature Experience

RosterContents : (1)took care of animals and plants,(2)felt god's presence in nature,(3)spent time simply watching animals and plants,(4)talked to family or friends about environmental destruction and / or protection,(5)played with a pet,(6)felt at unity with nature around me,(7)heard about environmental destruction and / or protection,(8)went swimming in a river or lake,(9)felt imperiled by forces of nature,(10)sat at the shore (of a river, lake or the sea) listening to the waves

Nature Experience Q.1

nat_exp_young**Nature_Experience***...When I was young*

(1)At least once a day,(2)At least every second day,(3)At least once a week,(4)At least every second week,(5)At least once a month,(6)At least every second month,(7)At least every 6 months,(8)At least once a year,(9)Never

Nature Experience Q.2

nat_exp_past_year**Nature_Experience***...In the last 12 months?*

(1)At least once a day,(2)At least every second day,(3)At least once a week,(4)At least every second week,(5)At least once a month,(6)At least every second month,(7)At least every 6 months,(8)At least once a year,(9)Never

END ROSTER 11.8.1:Nature Experience

Nature Experience Q.3

enjoy_nature_young**Survey***When you were young, how much did you enjoy this contact with nature overall?*

(1)Not at all,(2)Slightly,(3)Moderately,(4)Quite a bit,(5)Very much,(6)No answer

Nature Experience Q.4

enjoy_nature_recently**Survey***In the last twelve months, how much did you enjoy this contact with nature overall?*

(1)Not at all,(2)Slightly,(3)Moderately,(4)Quite a bit,(5)Very much,(6)No answer

END SCREEN 11.8:Nature Experience

SCREEN11.9:Modern 2

START ROSTER 11.9.1:Please indicate how much you trust the followong institutions!

RosterContents : (1)Central Government,(2)Panchajat, City Corporation (local government),(3)Police,(4)NGOs,(5)Central Bank,(6)Media, such as TV, Radio etc

Please indicate how much you trust the following institutions! Q.1

trust_instit

Trust_Institutions

How much do you trust them?

(1)Not at all,(2)Slightly,(3)Moderately,(4)Quite a bit,(5)Very much,(6)No answer

END ROSTER 11.9.1:Please indicate how much you trust the following institutions!

END SCREEN 11.9:Modern 2

SCREEN11.10:Choice Experiment

Choice Experiment Label

Now please imagine a better planet: A reputable aid organization is willing to contribute to the development of your community. Imagine it would have available the amount of INR 10000 for each resident in the area. The money can be either given to people like you individually, or some part of it or even all could go towards improving the water situation.

In particular, the organization was thinking to contribute to creation, restoration and improvement of natural water tanks in the area. Please imagine, that – on that better planet – the organization is consulting local residents like you about their priorities for the project. To find out about these, you are asked to choose between possible scenarios, that is, between goals of what the project would try to achieve.

Every time, please indicate whether you would prefer the money to be spent on option 1, on option 2 or on nothing. The projects each increase amount of water available in tanks by either two or by five times. In addition, the projects each increase environmental quality of tanks by either two or five times. In case you choose nothing, you will be given the whole amount available per individual privately. Each option however has a price. So choosing an option would mean – on that better planet – that you get less or no money privately.

Choice Experiment Q.1

block_chosen

Survey

Enumerator: Which block has been chosen? Please show respondent respective choice card!

SCREEN11.10.1:Block A

Enable if :current.block_chosen = 1

Block A Q.1

CE_A_1

Survey

Please show card and explain!

(1)1,(2)2,(3)base

Block A Q.2

CE_A_2

Survey

Please show card and explain!

(1)1,(2)2,(3)base

END SCREEN 11.10.1:Block A

SCREEN11.10.2:Block B

Enable if :current.block_chosen = 2

Block B Q.1

CE_B_1

Survey

Please show card and explain!

(1)1,(2)2,(3)base

Block B Q.2

CE_B_2

Survey

Please show card and explain!

(1)1,(2)2,(3)base

END SCREEN 11.10.2:Block B

END SCREEN 11.10:Choice Experiment

SCREEN11.11:Attitude towards agriculture

Attitude towards agriculture Q.1

best_job

Survey

Being a farmer is the best job in the world.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Attitude towards agriculture Q.2

big_challenge

Survey

Making agricultural decisions is a big challenge.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Attitude towards agriculture Q.3

better_diff_job

Survey

I would be better in a different job.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Attitude towards agriculture Q.4

more_money

Survey

I would earn more money in a different job.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Attitude towards agriculture Q.5

poor_peopz_farm

Survey

Only poor people are farmer.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Attitude towards agriculture Q.6

farm_reduce_value

Survey

A farm in the neighborhood reduces the value of my property.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Attitude towards agriculture Q.7

child_grow_farm

Survey

A farm is the best place for a child to grow up.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Attitude towards agriculture Q.8

fruit_veg_important

Survey

Fresh fruits and vegetables are important to me.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Attitude towards agriculture Q.9

contrib_comm

Survey

Farmers contribute to a healthy and well-nourished community.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Attitude towards agriculture Q.10

agric_change

Survey

Agriculture in and around Bangalore is changing rapidly at the moment.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Attitude towards agriculture Q.11

chance_small_farm

Survey

Small farmers have no chance in today's agricultural system.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

Attitude towards agriculture Q.12

chance_contracts

Survey

Contract farming is a big chance for farmers.

(1)Strongly disagree,(2)Somewhat disagree,(3)Indifferent,(4)Somewhat agree,(5)Strongly agree,(6)No answer

END SCREEN 11.11:Attitude towards agriculture

END SCREEN 11:Social and environmental preferences

SCREEN12:Risk and time preferences

Risk and time preferences Q.1

risktimeord

Survey

Risk Time Ordering

Risk and time preferences Q.2

risktimeord101

Survey

Enumerator: Please enter Risk Time Ordering chosen!

Risk and time preferences Label

Interviewer: [SELECT CASE WHEN(current.risktimeord = 1) THEN 'Please do the Risk Preferences task before continuing to the Savings Game and the Time Preferences task' ELSE 'Please play the Savings Game and Time Preferences task before continuing with the Risk Preferences task' END]

SCREEN12.1:Risk Preferences

Risk Preferences Label

In the next problem you can earn additional credit for your phone. Your earnings will depend partly on your decisions and partly on chance. In this subsection, there are 10 questions. In each question, we will offer you two plans: Plan A and Plan B. We would like you to choose either Plan A or Plan B for each question. After you completed all questions, the dice will be rolled twice. The first one determines the row which your payment is chosen from. The next role determines your payment according to your plan you have chosen.

Risk Preferences Label

Interviewer: Please use the laminated sheets which depict the dices. Participants must decide in each row whetere to choose plan A or plan B. Please tik the boxes on which plan they have decided. Once they have decided on one Plan they cannot switch back. After having chosen all rows you need to role the dice. The outcome of the dice determines the row of the outcome. Role the dice again and the participant will get the phone recharge according to the outcome of the dice. For example, you rolled the dice and the outcome is 6, then look in row 6 which plan the participant has decided on. Role the dice again. If he has chosen plan A and the dice show 4 you give him INR 192 phone recharge.

Risk Preferences Q.1 RAvsB_round1	Survey	<i>Plan A: With 10 % prize of INR 100</i> (1)Block A,(2)Block B
Risk Preferences Q.2 RAvsB_round2	Survey	<i>Plan A: With 20 % prize of INR 100</i> (1)Block A,(2)Block B
Risk Preferences Q.3 RAvsB_round3	Survey	<i>Plan A: With 30 % prize of INR 100</i> (1)Block A,(2)Block B
Risk Preferences Q.4 RAvsB_round4	Survey	<i>Plan A: With 40 % prize of INR 100</i> (1)Block A,(2)Block B
Risk Preferences Q.5 RAvsB_round5	Survey	<i>Plan A: With 50 % prize of INR 100</i> (1)Block A,(2)Block B
Risk Preferences Q.6 RAvsB_round6	Survey	<i>Plan A: With 60 % prize of INR 100</i> (1)Block A,(2)Block B
Risk Preferences Q.7 RAvsB_round7	Survey	<i>Plan A: With 70 % prize of INR 100</i> (1)Block A,(2)Block B
Risk Preferences Q.8 RAvsB_round8	Survey	<i>Plan A: With 80 % prize of INR 100</i> (1)Block A,(2)Block B
Risk Preferences Q.9 RAvsB_round9	Survey	<i>Plan A: With 90 % prize of INR 100</i> (1)Block A,(2)Block B
Risk Preferences Q.10 RAvsB_round10	Survey	<i>Plan A: With 100 % prize of INR 100</i> (1)Block A,(2)Block B

END SCREEN 12.1:Risk Preferences

Risk and time preferences Q.3 riskpayoff	Survey	<i>Interviewer: Please indicate the payoff of the risk task</i>
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SCREEN12.2:Savings Game

Savings Game Label		<i>Interviewer: These two next questions are for demonstration purposes. No payoff is given.</i>
Savings Game Q.1 interest_rate	Survey	<i>Suppose that there are 3 banks near your home. All three are public bank, but they offer different annual interest rate. Which bank do you prefer if you want to make a saving decision?</i> (1)Bank A Interest rate: 6% / year,(2)Bank B Interest rate: 8% / year,(3)Bank C Interest rate: 7% / year

Savings Game Q.2

interest_visualaid

Survey

Interviewer: Please ask the question again using visual aid

(1)Bank A Interest rate: 6% / year,(2)Bank B Interest rate: 8% / year,(3)Bank C Interest rate: 7% / year

Savings Game Q.3

amount_preferred

Survey

Suppose you are offered 2 different amounts of money in different time, which one do you prefer?

(1)Option A : INR 2000 next week,(2)Option B : INR 2200 next year (10% interest rate)

END SCREEN 12.2:Savings Game

SCREEN12.3:Time preferences

Time preferences Q.1

timeversion

Survey

Time Preference Version

Time preferences Q.2

timeversion101

Survey

Enumerator: Please enter Time Preferecne Version chosen!

Time preferences Label

Enumerators: Please use the table [SELECT CASE WHEN(current.timeversion = 1) THEN 'with interest rates' ELSE 'without interest rates' END]

Time preferences Label

In this task, you will receive additional phone either next week or some time in the next three month, depending on the choices you make. In each question, we will offer you two plans: Plan A and Plan B. We would like you to choose either Plan A or Plan B for each question. As in the game before the dice is rolled twice to determine the outcome.. The first time, the round is determined, while the second time the row is chosen. Depending on your choice of plan, the payoff is made according at the time and the plan you have chosen.

SCREEN12.3.1:Table One

Table One Q.1

TimeRAvsB_round1

Survey

*Plan A: 100 next week vs.
Plan B: 100 + x in one month
(1)Block A,(2)Block B*

Table One Q.2

TimeRAvsB_round2

Survey

*Plan A: 100 next week vs.
Plan B: 100 + x in one month
(1)Block A,(2)Block B*

Table One Q.3

TimeRAvsB_round3

Survey

*Plan A: 100 next week vs.
Plan B: 100 + x in one month
(1)Block A,(2)Block B*

Table One Q.4

TimeRAvsB_round4

Survey

*Plan A: 100 next week vs.
Plan B: 100 + x in one month
(1)Block A,(2)Block B*

Table One Q.5 TimeRAvsB_round5	Survey	Plan A: 100 next week vs. Plan B: 100 + x in one month (1)Block A,(2)Block B
Table One Q.6 TimeRAvsB_round6	Survey	Plan A: 100 next week vs. Plan B: 100 + x in one month (1)Block A,(2)Block B
Table One Q.7 TimeRAvsB_round7	Survey	Plan A: 100 next week vs. Plan B: 100 + x in one month (1)Block A,(2)Block B
Table One Q.8 TimeRAvsB_round8	Survey	Plan A: 100 next week vs. Plan B: 100 + x in one month (1)Block A,(2)Block B
Table One Q.9 TimeRAvsB_round9	Survey	Plan A: 100 next week vs. Plan B: 100 + x in one month (1)Block A,(2)Block B
Table One Q.10 TimeRAvsB_round10	Survey	Plan A: 100 next week vs. Plan B: 100 + x in one month (1)Block A,(2)Block B

END SCREEN 12.3.1:Table One

SCREEN12.3.2:Table Two

Table Two Q.1 Monthtwo_round1	Survey	Plan A: 100 next week vs. Plan B: 100 + x in two month (1)Block A,(2)Block B
Table Two Q.2 Monthtwo_round2	Survey	Plan A: 100 next week vs. Plan B: 100 + x in two month (1)Block A,(2)Block B
Table Two Q.3 Monthtwo_round3	Survey	Plan A: 100 next week vs. Plan B: 100 + x in two month (1)Block A,(2)Block B
Table Two Q.4 Monthtwo_round4	Survey	Plan A: 100 next week vs. Plan B: 100 + x in two month (1)Block A,(2)Block B
Table Two Q.5 Monthtwo_round5	Survey	Plan A: 100 next week vs. Plan B: 100 + x in two month (1)Block A,(2)Block B

Table Two Q.6 Monthtwo_round6	Survey	Plan A: 100 next week vs. Plan B: 100 + x in two month (1)Block A,(2)Block B
Table Two Q.7 Monthtwo_round7	Survey	Plan A: 100 next week vs. Plan B: 100 + x in two month (1)Block A,(2)Block B
Table Two Q.8 Monthtwo_round8	Survey	Plan A: 100 next week vs. Plan B: 100 + x in twi month (1)Block A,(2)Block B
Table Two Q.9 Monthtwo_round9	Survey	Plan A: 100 next week vs. Plan B: 100 + x in twi month (1)Block A,(2)Block B
Table Two Q.10 Monthtwo_round10	Survey	Plan A: 100 next week vs. Plan B: 100 + x in two month (1)Block A,(2)Block B

END SCREEN 12.3.2:Table Two

SCREEN12.3.3:Table Three

Table Three Q.1 TimeThree_round1	Survey	Plan A: 100 next week vs. Plan B: 100 + x in three month (1)Block A,(2)Block B
Table Three Q.2 TimeThree_round2	Survey	Plan A: 100 next week vs. Plan B: 100 + x in three month (1)Block A,(2)Block B
Table Three Q.3 TimeThree_round3	Survey	Plan A: 100 next week vs. Plan B: 100 + x in three month (1)Block A,(2)Block B
Table Three Q.4 TimeThree_round4	Survey	Plan A: 100 next week vs. Plan B: 100 + x in three month (1)Block A,(2)Block B
Table Three Q.5 TimeThree_round5	Survey	Plan A: 100 next week vs. Plan B: 100 + x in three month (1)Block A,(2)Block B
Table Three Q.6 TimeThree_round6	Survey	Plan A: 100 next week vs. Plan B: 100 + x in three month (1)Block A,(2)Block B

Table Three Q.7

TimeThree_round7

Survey

Plan A: 100 next week vs.
Plan B: 100 + x in three month
(1)Block A,(2)Block B

Table Three Q.8

TimeThree_round8

Survey

Plan A: 100 next week vs.
Plan B: 100 + x in three month
(1)Block A,(2)Block B

Table Three Q.9

TimeThree_round9

Survey

Plan A: 100 next week vs.
Plan B: 100 + x in three month
(1)Block A,(2)Block B

Table Three Q.10

TimeThree_round10

Survey

Plan A: 100 next week vs.
Plan B: 100 + x in three month
(1)Block A,(2)Block B

END SCREEN 12.3.3:Table Three

END SCREEN 12.3:Time preferences

Risk and time preferences Q.4

timepayoff

Survey

Interviewer: Please indicate the payoff of the time task

Risk and time preferences Q.5

paymenttime

Survey

Interviewer: Please indicate the time of payment

(1)One Week,(2)One Month,(3)Two Month,(4)Three Month

SCREEN12.4:Numerical Questions

Numerical Questions Label

The following questions are a quiz. If you do not know the answer please tell me. Interviewer: If participant does not know the answer type -99

Numerical Questions Q.1

nq_subst

Survey

A year has 52 weeks. Assume you spend 12 weeks outside your native place. How many weeks do you stay at your native place

Numerical Questions Q.2

nq_multi

Survey

In a village are seven households of four members and 4 households of 8 members. How many people live in the village?

Numerical Questions Q.3

nq_division

Survey

A cow gives 9 liters milk per day. The total selling price is 45 rupees. How much is the selling price for one liter?

Numerical Questions Q.4

nq_multipli2

Survey

You save 200 rupees every month. How many rupees have you saved after six month?

Numerical Questions Q.5

nq_percentage

Survey

You have two acres of land. You buy one additional acre. How much more land do you have in percentage

Numerical Questions Q.6

nq_division2

Survey

You have 220 rupees. You want to buy new cups. Each cup costs 25 rupees. How many cups do you get?

Numerical Questions Q.7

nq_rest

Survey

What is the change you get?

END SCREEN 12.4:Numerical Questions

Risk and time preferences Q.6

fl_risk_crop

Survey

In terms of crop loss, planting one crop is riskier than planting many different crops

(1)True,(2)False

END SCREEN 12:Risk and time preferences

SCREEN13:Shock Experience

Shock Experience Label

In the last 12 months, have you or your family experienced any shocks? That is, were there sudden, unexpected events that adversely affected your and your families economic situation?

START ROSTER 13.1:Shocks

Shocks Q.1

shock_type

Shocks_Climate

Type

(1)Drought (Climate),(2)Heavy Rain (Climate),(3)Pests - Before Harvest (Biological),(4)Pests - Storage (Biological),(5)Pollution - Water (Chemical),(6)Pollution - Soil (Chemical),(7)Increased Input Prices (Economic),(8)Decreased Output Prices (Economic),(9)Increased Water Prices (Economic),(10)Increased Food Prices (Economic),(11)Increased Rent (Economic),(12)Loss of Family Member (Social),(13)Loss of Job (Social),(14)Dispute with Neighbor (Social),(15)Illness (Social)

Shocks Q.2

frequency_shock

Shocks_Climate

How many times experienced?

Shocks Q.3

intensity_shock

Shocks_Climate

Impact intensity

(1)Severe,(2)Moderate,(3)Mild

SCREEN13.1.1:Coping activity to deal with the event

Coping activity to deal with the event Q.1

shock_resp

Shocks_Climate

Coping activity to deal with the event

(1)do nothing,(2)take up additional occupation,(3)diversify crops,(5)adult migrates,(6)take children out of school,(4)send children away,(9)sell livestock,(8)sell land,(7)sell assets,(10)use insurance,(13)use savings,(12)borrow from bank,(15)receive help from government,(14)receive help from NGOs,(16)receive help from friends, relatives, neighbors,(11)borrow from friends or relatives,(17)Don't know,(18)Settle with police,(19)Modify input structure

END SCREEN 13.1.1:Coping activity to deal with the event

END ROSTER 13.1:Shocks

END SCREEN 13:Shock Experience

SCREEN14:Credit

Credit Q.1

obtain_credit

Survey

How easy is it for your household to obtain credit?

(1)Very easy,(2)Easy,(3)difficult,(4)very difficult,(5)Impossible

Credit Q.2

loan

Survey

Do you have running loans?

(1)Yes,(2)No

Credit Q.3

reason_no_loan

Survey

Enable if :current.loan = 2

Please state the main reason for not taking out a loan

(1)Not required or necessary,(2)Can easily obtain credit from friends or family,(3)It's difficult to get,(4)Interest rate is too high,(5)No land title to pledge to get credit,(6)It is morally wrong to take credit,(7)Other (specify)

Credit Q.4

number_loans

Survey

Enable if :current.loan = 1

Please indicate the number of running loans

SCREEN14.1:Please give details of these loans!

Enable if :current.loan = 1

START ROSTER 14.1.1:Loan details

Loan details Q.1

source_loan

Loans

Where does the money come from (source)

(1)Bank,(2)Contractor,(3)Farmers' cooperation/association,(4)Private money lender,(5)Family,(6)MFI,(7)NGO,(8)Other (specify)

Loan details Q.2

amount_loan

Loans

How much money have you taken (INR)?

Loan details Q.3

year_loan

Loans

When did you obtain the loan (year)

Loan details Q.4

fix_amount_loan

Loans

Do you pay a fixed amount?

(1)Yes,(2)No

Loan details Q.5

fixed_amount_loan

Loans

Enable if :current.fix_amount_loan=1

If it is fixed amount, how much do you pay back each time (INR)

Loan details Q.6

fixed_peryear_loan

Loans

Enable if :current.fix_amount_loan=1

If it fixed amount, number of times per year

Loan details Q.7

repayment_period_loan **Loans**

Enable if :current.fix_amount_loan=2

How long is the repayment period (months)

Loan details Q.8

amount_repayment_loan **Loans**

Enable if :current.fix_amount_loan=2

How much money do you have to pay per repayment time (INR)

Loan details Q.9

purpose_loan **Loans***What is the main purpose of the loan*

(1)Farming inputs (seeds, fertilizer),(2)Farm machinery,(3)Health,(4)Repayment debt,(5)Ceremony and Festivals,(6)Marriage,(7)Land purchasement,(8)Rent for the land,(9)House Maintenance,(10)Off-Farm Business,(11)Other (specify)

END ROSTER 14.1.1:Loan details

END SCREEN 14.1:Please give details of these loans!

Credit Q.5

more_loan **Survey**[Go To [reason_more_loan] if:current.more_loan = 1]
[Go To [late_loan] if:current.more_loan = 2]
Enable if :current.loan = 1*Did you want to obtain an additional loan in the past 12 month?*

(1)Yes,(2)No

Credit Q.6

reason_more_loan **Survey**

Enable if :current.more_loan = 1

Why did you want to obtain an additional loan?

(1)Farming inputs (seeds, fertilizer),(2)Farm machinery,(3)Health,(4)Repayment debt,(5)Ceremony and Festivals,(6)Marriage,(7)Land purchasement,(8)Rent for the land,(9)House Maintenance,(10)Off-Farm Business,(11)Other (specify)

Credit Q.7

not_applied_loan **Survey**

Enable if :current.more_loan = 1

Please state the reason for not applying additional loan

(1)Not required or necessary,(2)Can easily obtain credit from friends or family,(3)It's difficult to get,(4)Interest rate is too high,(5)No land title to pledge to get credit,(6)It is morally wrong to take credit,(7)Other (specify)

Credit Q.8

late_loan **Survey**

Enable if :current.loan = 1

In the last twelve months how often did you fall behind your repayment schedule?

Credit Q.9

knowlege_creditcard **Survey***Do you know what a credit card is?*

(1)Yes,(2)No

Credit Q.10

pos_creditcard **Survey***Do you have a credit card*

(1)Yes,(2)No

Credit Q.11

knowledge_phoneacc **Survey***Have you heard of mobile/cell phone payment account?*

(1)Yes,(2)No

Credit Q.12

credit_influence **Survey***Which source of information do you use if you want to take out a loan?*

(1)From source directly,(2)Family/Friends,(3)Media,(4)Advertisments,(5)Other

Credit Q.13

fl_interstknowledge

Survey

Suppose you borrow 10,00,00 Rupees with an interest rate of 2 percent per month. After three month do you owe less than 10,20,00 rupees, exactly 10,20,00 rupees, or more than 10,20,00 rupees?

(1)more,(2)same,(3)less

Credit Q.14

fl_percentage

Survey

Suppose you need to borrow 50000 Rupees. There are two agencies. Agency 1 requires you to pay back the 50,000 plus a 15 percent interest rate after one month. Agency 2 requires you to pay back 60000 Rupees in one month. Which agency do you prefer? Interviewer: please type in 1 for the first agency and 2 for the second agency

END SCREEN 14:Credit

SCREEN15:Savings

START ROSTER 15.1:Do you have a savings account with or are you a member of any of the following financial institutions?

RosterContents :(1)Bank,(2)Farmers' Cooperative,(3)Chit fund,(4)Microsaving Institution,(5)Life Insurance

Do you have a savings account with or are you a member of any of the following financial institutions? Q.1

savings_type

Financial_Institutions

Are you a member or have a savings account in....?

Do you have a savings account with or are you a member of any of the following financial institutions? Q.2

savings_heard

Financial_Institutions

I have heard about it....

Do you have a savings account with or are you a member of any of the following financial institutions? Q.3

monthly_savings

Financial_Institutions

Average amount saved per year (INR)

Do you have a savings account with or are you a member of any of the following financial institutions? Q.4

total_savings

Financial_Institutions

Total amount of savings (INR)

END ROSTER 15.1:Do you have a savings account with or are you a member of any of the following financial institutions?

START ROSTER 15.2:Do you have a savings account with or are you a member of any other financial institutions?

Do you have a savings account with or are you a member of any other financial institutions? Q.5

other_fin_institution

have_account

Name of other financial institution

Do you have a savings account with or are you a member of any other financial institutions? Q.6
other_monthly_savings **have_account**

Average amount saved per month (INR)

Do you have a savings account with or are you a member of any other financial institutions? Q.7
other_total_savings **have_account**

Total amount of savings (INR)

END ROSTER 15.2: Do you have a savings account with or are you a member of any other financial institutions?

Savings Q.8

savings_potential

Survey

If you face a major expense today - equivalent to your own monthly income - would you be able to pay it without borrowing the money or asking family or friends to help?

(1)Yes,(2)No,(3)I don't know

Savings Q.9

financial_goals

Survey

Some people set themselves financial goals, such as buying new equipment, buying a new car, paying college fees. Do you personally have any financial goals

(1)Yes,(2)No,(3)I don't know

Savings Q.10

savings_goal

Survey

Could you tell me your most important financial goal?

Savings Q.11

measures_financial_goals

Survey

What action have you taken to meet this goal?

(1)Saved money,(2)Additional work/job,(3)Get credit card,(4)Take loan,(5)Cut-back spendings,(99)Nothing

Savings Q.12

riskdiversification

Survey

It is less likely that you will lose all of your money if you save it in more than one place

(1)True,(2)False

Savings Q.13

fl_inflation

Survey

Suppose you have 1000 Rupees. A bank nearby your place gives you an interest rate of 1% per annum on your savings account.. However, prices for goods and services rise by 2% in one year period. Can you buy more, less or the same amount of goods in one year as you could today, with the money in the account?

(1)more,(2)same,(3)less

END SCREEN 15:Savings

SCREEN16:Household Assets

Household Assets Label

At the moment of the interview, how many of the following items in usable/repairable condition do you own?

SCREEN16.1:Agriculture Equipment

Enable if :current.farming = 1

START ROSTER 16.1.1:Agriculture Equipment

RosterContents : (1)Two wheel Tractor/Power tiller,(2)Tractor (4 wheel),(3)Plough (wooden),(4)Plough(Iron/modern),(5)Sickle (Kurpi),(6)Axe,(7)Spade/Hoe,(8)Chopper,(9)Seed drill,(10)Sprayer,(11)Duster,(12)Chaff cutter,(13)Thresher,(14)Combined harvester,(15)Saw (power),(16)saw(Manual),(17)Borewell,(18)Water tanks,(19)Pump (electric),(20)Pump (Others)/Diesel Generator,(21)Sugar cane crusher,(22)Greenhouse,(23)sprinkler system (excluding pump),(24)Harrow,(25)Drip irrigation system (excluding pump),(26)Pipe(s) (flood irrigation),(27)Cattle shed (28)Cold storage

Agriculture Equipment Q.1*Do you own.....?***agri_asset****Agriculture_Equipment****Agriculture Equipment Q.2***How many of these assets do you own at the moment?***quantity_asset****Agriculture_Equipment**

Enable if :current.agri_asset='Y'

Agriculture Equipment Q.3*What was the value of most recent asset at the time you purchased?***value_asset****Agriculture_Equipment**

Enable if :current.agri_asset='Y'

Agriculture Equipment Q.4*How old (years) is the most recently purchased item?***age_asset****Agriculture_Equipment****Agriculture Equipment Q.5***How much would you get if you sold ALL items today?***curr_value_all_assets****Agriculture_Equipment**

Enable if :current.agri_asset='Y'

Agriculture Equipment Q.6*How much would you pay for it, if you needed to by one now (INR)?***pay_now****Agriculture_Equipment**

Enable if :current.agri_asset='Y'

END ROSTER 16.1.1:Agriculture Equipment**END SCREEN 16.1:Agriculture Equipment****SCREEN16.2:Transport equipment****START ROSTER 16.2.1:Transport equipment**

RosterContents : (1)Push cart (hand driven),(2)Bullock cart,(3)Bicycles(S),(4)Auto-rishaw,(5)Motor Cycle/scooter,(6)Motor car/jeep/Van,(7)Truck/Pickups,(8)Tractor-trollies/trailers

Transport equipment Q.1*Do you own.....?***asset_transport****Transport_Equipment****Transport equipment Q.2***How many of these assets do you own at the moment?***trans_quantity_asset****Transport_Equipment**

Enable if :current.asset_transport='Y'

Transport equipment Q.3

*What was the value of most recent asset at the time you purchased?***trans_value_asset****Transport_Equipment**

Enable if :current.asset_transport='Y'

Transport equipment Q.4

*How old (years) is the most recently purchased item?***trans_age_asset****Transport_Equipment**

Enable if :current.asset_transport='Y'

Transport equipment Q.5

*How much would you get if you sold ALL items today?***trans_curr_value_all_assets****Transport_Equipment**

Transport equipment Q.6

*How much would you pay for it, if you needed to by one now (INR)?***trans_pay_now****Transport_Equipment**

Enable if :current.asset_transport='Y'

END ROSTER 16.2.1:Transport equipment

END SCREEN 16.2:Transport equipment

SCREEN16.3:Non-farm business equipment owned

START ROSTER 16.3.1:Non-farm business equipment owned

RosterContents :(1)Sewing machine/tailoring equipment,(2)Handloom, semi/power loom,(3)Ginning/ other textile equipment,(4)Rice mill/oil mill/Flour mill,(5)ISD/STD/PCO/internet cafe equipment/Xerox,(6)Lathe/Welding/casting equipment,(7)Other non-farm Business equipment,(8)Other non-farm Business equipment

Non-farm business equipment owned Q.1

*Do you own.....?***non_farm_asset****Non_farm_business**

Non-farm business equipment owned Q.2

*How many of these assets do you own at the moment?***non_farm_quantity_asset****Non_farm_business**

Non-farm business equipment owned Q.3

*What was the value of most recent asset at the time you purchased?***non_farm_value_asset****Non_farm_business**

Non-farm business equipment owned Q.4

*How old (years) is the most recently purchased item?***non_farm_age_asset****Non_farm_business**

Non-farm business equipment owned Q.5

*How much would you get if you sold ALL items today?***non_farm_curr_value_all_assets****Non_farm_business**

Non-farm business equipment owned Q.6

*How much would you pay for it, if you needed to by one now (INR)?***non_farm_pay_now****Non_farm_business**

END ROSTER 16.3.1:Non-farm business equipment owned

END SCREEN 16.3:Non-farm business equipment owned

SCREEN16.4:Other durable assets owned

START ROSTER 16.4.1:Other durable assets owned

RosterContents : (1)TVs,(2)Radio and Stereo,(3)Satellite Dish,(4)DVD/VCD players,(5)Regular Phones,(6)Smart phones,(7)Refrigerator,(8)Gas stove,(9)Electric stove/oven/ microwave/cooking range,(10)Water heater(s),(11)Washing machine,(12)Sewing machines,(13)Electric fans,(14)Air Condition/cooler,(15)PC/Laptop,(16)Generator/Invertor,(17)Pressure cooker,(18)Sofa set,(19)Watches and clock

Other durable assets owned Q.1

Do you own?

durable_asset_owned_binary **durable_assets**

Other durable assets owned Q.2

What was the value of most recent asset at the time you purchased?

durable_value_asset **durable_assets**

Other durable assets owned Q.3

How many of these assets do you own at the moment?

durable_quantity_asset **durable_assets**

Enable if :current.durable_asset_owned_binary='Y'

Other durable assets owned Q.4

How old (years) is the most recently purchased item?

durable_age_asset **durable_assets**

Enable if :current.durable_asset_owned_binary='Y'

Other durable assets owned Q.5

How much would you get if you sold ALL items today?

durable_curr_value_all_assets **durable_assets**

Enable if :current.durable_asset_owned_binary='Y'

Other durable assets owned Q.6

How much would you pay for it, if you needed to by one now (INR)?

dur_pay_now **durable_assets**

Enable if :current.durable_asset_owned_binary='Y'

END ROSTER 16.4.1:Other durable assets owned

END SCREEN 16.4:Other durable assets owned

SCREEN16.5:Housing condition

Housing condition Q.1

Type of dwelling?

dwelling_type **Survey**

(1)Independent House,(2)Flat,(3)Others (Specify)

Housing condition Q.2

Ownership of dwelling?

dwelling_owner **Survey**

(1)Owned,(2)Rented,(3)Provided by employer,(4)Not paying rent/gifted,(5)Other (Specify),(6)I don't know

Housing condition Q.3

How much is the rent paid per month?

rent_paid **Survey**

Enable if :current.dwelling_owner = 2 or
current.dwelling_owner = 3

Housing condition Q.4 resid_rent	Survey	<i>What is the yearly residential land rent paid?</i>
Housing condition Q.5 no_of_rooms	Survey	<i>Number of rooms in the house?</i>
Housing condition Q.6 no_of_floors	Survey	<i>Number of floors in the house?</i>
Housing condition Q.7 rent_properties	Survey	<i>Is the household is renting any property?</i> (1)Yes,(2)No
Housing condition Q.8 rent_getting_month Enable if :current.rent_properties = 1	Survey	<i>What is the total rent he is getting per month?</i>
Housing condition Q.9 wall_type	Survey	<i>Wall type?</i> (1)grass/straw/leaves/reeds/bamboo etc.,(2)mud(with/without bamboo)/unburnt brick,(3)Canvas/cloth,(4)Other katcha type,(5)Timber,(6)burnt brick/stone/lime stone,(7)iron or other metal sheet,(8)cement/RBC/RCC,(9)other pucca type
Housing condition Q.10 Floor_type	Survey	<i>Floor type</i> (1)Mud,(2)Bamboo/Log,(3)Wood/Plank,(4)brick/lime stone/stone,(5)Cament,(6)Mosaic/Tiles,(7)Other (Specify)
Housing condition Q.11 roof_type	Survey	<i>Roof type</i> (1)grass/ straw/ leaves/ reeds/ bamboo etc,(2)mud / unburnt brick,(3)Canvas / cloth,(4)other katcha,(5)iron / zinc /other metal sheet / asbestos sheet,(6)cement / RCC,(7)other pucca
Housing condition Q.12 bathroom	Survey	<i>Bathroom type</i> (1)Attached,(2)Detached,(3)No Bathroom
Housing condition Q.13 latrine	Survey	<i>Latrine</i> (1)Flush Tank,(2)Pour flush,(3)pit latrine with slab,(4)pit latrine without slab/open pit,(5)Open field,(6)Others (Specify),(7)I dont know
Housing condition Label		<i>What is you main source for....</i>
Housing condition Q.14 cook_primary	Survey	<i>...cooking (primary)?</i> (1)Firewood,(2)Charcoal,(3)Kerosene,(4)LPG (Cylinder),(5)LPG (Piped),(6)Electricity (powergrid),(7)Electricity (Generator),(8)Electricity (Battery/Solar),(9)Candle,(10)Others (Specify)
Housing condition Q.15 cook_sec	Survey	<i>...cooking (secondary)?</i> (1)Firewood,(2)Charcoal,(3)Kerosene,(4)LPG (Cylinder),(5)LPG (Piped),(6)Electricity (powergrid),(7)Electricity (Generator),(8)Electricity (Battery/Solar),(9)Candle,(10)Others (Specify)
Housing condition Q.16 light_primary	Survey	<i>Lighting (primary)?</i> (1)Firewood,(2)Charcoal,(3)Kerosene,(4)LPG (Cylinder),(5)LPG (Piped),(6)Electricity (powergrid),(7)Electricity (Generator),(8)Electricity (Battery/Solar),(9)Candle,(10)Others (Specify)

Housing condition Q.17

light_sec**Survey***Lighting (secondary)?*

(1)Firewood,(2)Charcoal,(3)Kerosene,(4)LPG (Cylinder),(5)LPG (Piped),(6)Electricity (powergrid),(7)Electricity (Generator),(8)Electricity (Battery/Solar),(9)Candle,(10)Others (Specify)

END SCREEN 16.5:Housing condition

END SCREEN 16:Household Assets

SCREEN17:Social Capital

Social Capital Q.1

partic_in_community**Survey**[Go To [exchange_info_authorities]
if:current.partic_in_community = 2]*In the last 12 months have you participated in any activity with other members of your community (including water, collective land, and marketing)?*

(1)Yes,(2)No

START ROSTER 17.1:Please give details about your engagement!

Please give details about your engagement! Q.2

fromal**Community_Activities***Was it a formal membership organization or an informal get-together?*

(1)formal membership organization,(2)Informal get-together

Please give details about your engagement! Q.3

active**Community_Activities**

Enable if :current.fromal = 2

Activities

(1)Produce marketing,(2)Input access or marketing,(3)Seed production,(4)Farmer research,(5)Savings and credit,(6)Welfare/funeral activities,(7)Tree planting/Nursery,(8)Soil conservation,(9)Water provision / conservation,(10)Collective land use,(11)Other Environmental Conservation,(12)Public Work / Conditional Cash Transfer / Food for Work,(13)Faith-based organization,(14)Inout credit,(16)General political,(17)Other non-governmental,(15)Other (Specify)

Please give details about your engagement! Q.4

memb_org**Community_Activities**

Enable if :current.fromal = 1

What type?

(2)Milk cooperative,(14)KVK,(1)Other farmer cooperative,(3)NGO (other),(4)Youth association,(5)Faith-based association/group,(6)Funeral association/insurance,(7)Savings and credit group,(8)Community based organization,(9)Water users association,(10)Informal labour sharing group,(12)Political committee such as Panchayat,(11)Other (Specify)

Please give details about your engagement! Q.5

year_joined**Community_Activities**

Enable if :current.fromal = 1

Year joined

Please give details about your engagement! Q.6

orga_freq**Community_Activities***How frequently do you participate in activities?*

(1)At least once a day,(2)At least every second day,(3)At least once a week,(4)At least every second week,(5)At least once a month,(6)At least every second month,(7)At least every 6 months,(8)At least once a year,(9)Never

Please give details about your engagement! Q.7

role_org**Community_Activities**

Enable if :current.fromal = 1

What is your own role in the organization?

(1)Official,(2)Ex-Official,(3)Ordinary Mamber

END ROSTER 17.1:Please give details about your engagement!

Social Capital Q.8 exchange_info_authorities	Survey	<i>Do you personally exchange information with the local authorities/gov't agencies?</i> (1)Yes,(2)No,(3)No answer
Social Capital Q.9 hardship	Survey	<i>How many people within and outside the village do you know you could depend on in times of hardship?</i>
Social Capital Q.10 position_in_village	Survey	<i>Do you hold any of the other following positions</i> (1)Village elder,(7)Government official,(3)Religious leader,(6)No answer,(4)None,(5)Other (Specify)
Social Capital Q.11 friend_rel_position	Survey	<i>Are you a close relative or friend to one of the mentioned positions?</i> (1)Yes,(2)No,(3)No answer
Social Capital Q.12 position_related Enable if :current.friend_rel_position = 1	Survey	<i>Which position?</i> (1)Village elder,(7)Government official,(3)Religious leader,(6)No answer,(4)None,(5)Other (Specify)
Social Capital Q.13 relationship_position Enable if :current.friend_rel_position = 1	Survey	<i>How are you related to this person?</i> (1)Parent,(2)Spouse,(3)Child,(4)Brother/Sister,(5)Grandparent,(6)Grandchild,(7)Nephew/Niece,(8)Uncle/Aunt,(9)Cousin,(10)Mother/father in law,(11)Brother/sister in law,(12)Other relative,(13)Neighbour,(14)Friend,(15)Fellow villager,(16)Attend same church/mosque,(17)Business colleague,(18)Other (Specify)

END SCREEN 17:Social Capital

SCREEN18:HH_status

[HIDDEN]HH_status total_asset_1_mirka	Survey	<i>total_asset_1_mirka</i>
[HIDDEN]HH_status total_asset_2_mirka	Survey	<i>total_asset_2_mirka</i>
[HIDDEN]HH_status total_asset_3_mirka	Survey	<i>total_asset_3_mirka</i>
[HIDDEN]HH_status total_asset_4_mirka	Survey	<i>total_asset_4_mirka</i>
[HIDDEN]HH_status sec_asset	Survey	<i>SEC_asset_status_Mirka</i>
HH_status Label		<i>Total number of asset is [select current.sec_asset]</i>
[HIDDEN]HH_status max_educ	Survey	<i>max_educ of the HH head</i>
HH_status Label		<i>Maximum education score of the HH head is [select current.max_educ]</i>

HH_status Label		<i>durable asset [select sum(current.total_asset_1_mirka)]</i>
HH_status Label		<i>transport asset [select sum(current.total_asset_2_mirka)]</i>
HH_status Label		<i>Agricultural Land: [select sum(current.total_asset_3_mirka)]</i>
HH_status Label		<i>Electricity connection in the household:[select sum(current.total_asset_4_mirka)]</i>
[HIDDEN]HH_status sec_sum	Survey	<i>sum of SEC and Education</i>
HH_status Label		<i>Sum of Education score and Asset score is [SELECT current.sec_sum]</i>
[HIDDEN]HH_status sec_evaluation	Survey	<i>evaluation the SEC criteria for middle income HH class</i>
HH_status Label		<i>Will this household meet the criteria of Subsample for Mirka?: [SELECT CASE when (current.sec_asset=1 AND current.max_educ=1) THEN 'NO' when (current.sec_asset=2 AND current.max_educ=1) THEN 'NO' when (current.sec_asset=3 AND current.max_educ=1) THEN 'NO' when (current.sec_asset=1 AND current.max_educ=2) THEN 'NO' when (current.sec_asset=2 AND current.max_educ=2) THEN 'NO' when (current.sec_asset=3 AND current.max_educ=2) THEN 'NO' when (current.sec_asset=1 AND current.max_educ=3) THEN 'NO' when (current.sec_asset=2 AND current.max_educ=3) THEN 'NO' when (current.sec_asset=1 AND current.max_educ=4) THEN 'NO' when (current.sec_asset=2 AND current.max_educ=4) THEN 'NO' when (current.sec_asset=1 AND current.max_educ=5) THEN 'NO' when (current.sec_asset=1 AND current.max_educ=6) THEN 'NO' ELSE 'YES' END AS available]</i>
HH_status Q.1 Marion_sample_HH_ID	Survey	<i>If the questionnaire is a part of Marion_sample, indicate the household number provided to you here</i>
END SCREEN 18:HH_status		
SCREEN19:Payoff Scheme		
Payoff Scheme Label		<i>Please state INR [select sum(current.riskpayoff+current.trustpayoff) from survey] on the payoff card in the first line. Please write down INR [select current.timepayoff from survey] in the second line and tick Box [SELECT CASE when (current.paymenttime = 1) THEN 'One Week' when(current.paymenttime = 2) THEN 'One Month' when(current.paymenttime = 3) THEN 'Two Month' else 'Three Month' END as available].</i>
Payoff Scheme Q.1 phprv	Survey	<i>Which is your phone provider?</i> (1)Airtel,(2)Vodafone,(3)dodocom,(4)bnsi,(5)Idea,(6)Aircel,(7)Reliance

END SCREEN 19:Payoff Scheme

Validation rules

Total Output	<i>The total output of this crop is smaller than the quatity consumed, sold, etc.!</i>	<code>current.crop_tot_output > current.crop_consump + current.crop_saved_seeds + current.crop_gift_don + current.crop_sellings</code>
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Validation rules

Total labour	<i>Sum of numbers you have entered does not equal the total persons who work daily!</i>	<code>current.fam_lab_male+current.fam_lab_female+current.lab_hirde_male+current.hired_lab_female <> current.daily_work_people</code>
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