

Manual Wave 3

anonymized version

Coping with Climate Shocks in Mongolia Household Panel Survey

DIW Berlin and National Statistical Office

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Chapter 1: Question-specific instructions for the enumerator

This chapter gives detailed information on every question included in the questionnaire. It will help you to better understand the aim of each question. This chapter is structured as is the questionnaire. The numbering of questions and sections in this chapter of the manual is also identical to the numbering used in the questionnaire.

ENUMERATOR QUESTIONNAIRE PART I

This part of the questionnaire refers to the household as a whole.

Question 1: *Name of head of household.* Write down the full name.

Question 2: *Enumeration Area (EA) Code.* Write down the appropriate answer code. The EA code is obtained from the list provided by the NSO.

Question 3: *Household Number.* Write down the number.

Question 4: *Was the household located in the 3rd year?* Indicate if you found the household in the 3rd year.

Question 5: *Why not?* If you didn't find the household, write down why the household couldn't be located.

Question 6: *What steps have you taken to locate the household?* Please indicate for each possibility if you took this step.

Question 7: *Is the household located in the same enumeration area now as during the second interview?* It is important to give information on the current location of the household in the third year. Please write down the appropriate answer code listed below the question.

THE FOLLOWING QUESTIONS REFER TO THE CURRENT LOCATION OF THE HOUSEHOLD DURING THE THIRD YEAR:

Question 8: *Aimag name and aimag code.* During the interview only the name of the aimag should be written in the answer cells. In the evening, the enumerator should look up Chapter 4 of this manual and fill in the code of the aimag.

Question 9: *Soum name and soum code.* During the interview only the name of the soum should be written in the answer cells. In the evening, the enumerator should look up Chapter 4 of this manual and fill in the code of the soum.

Question 10: *Bag name.* Write down the bag name.

Question 11: *Strata.* Write down the appropriate answer code.

Question 12: *Household address.* Please write down the complete address where the interview takes place as detailed as possible. You can also describe landmarks or landscapes that are located nearby (such as the name of a mountain, a river, or a natural landmark).

Information on the Head of Household

ENUMERATOR: PLEASE CHECK ALL INFORMATION ON THE HEAD OF HOUSEHOLD CAREFULLY AGAIN

Question 14: *Did the household head change?* Write down if the head of household is the same as in the second wave.

Question 15: *Name of current head of household.* Write down the full name.

Campsite

Question 21: *Is this a herding household which is regularly moving campsites?* This is a filter question: Move on to question 26 if this is not a herding household moving campsites.

Question 22-25: *Location of winter, spring, summer, and fall campsite.* Write down the location of the household's campsites. For instance, you can describe landmarks or landscapes that are located nearby. Try to be as detailed as possible. Even if the household does not use 4 different campsites, write down where the household stays in the four seasons.

Question 26: *Household currently camps alone or with other households.* Camping with other households includes khot ail or sharing the campsite with a patron or hired herder. If several households share one campsite, the enumerator has to conduct interviews with all households in the campsite.

Question 27: *Number of households in campsite.* Write down the total number of households sharing the same campsite. Include the household you currently conduct the interview with in the counting. Enumerators have to conduct interviews with all households in a campsite (except when no responder was at home or the head refused to be interviewed).

Question 28: *Households living in this campsite.* Write down the full name of each of the head of the other households sharing the same campsite. Also fill in the household number and the Khot ail number. If the other household in the khot ail has been interviewed, the recorded household number must be exactly the same as on the questionnaire for this household. If the other household could not be interviewed, write down -1 as household number. Make sure that the khot ail number is the same for all households that live in the same khot ail. Enumerators have to conduct interviews with each household in the campsite. This question has to be filled out after completing all interviews with this khot ail. A separate questionnaire form has to be filled out for each household. Indicate why a household in this campsite was not interviewed.

Final Observations

Question 29: *Who was the main respondent?* Write down the full name and ID code of the person who mostly answered the questions.

Question 30: *Write down the ID code of the main person answering the following sections.* Please fill in the ID code of the person who mostly answered each section.

Question 31: *How well did the interview go?* Please indicate how well the interview went based on your personal judgment.

Question 32: *Did the respondent(s) have difficulties responding to particular sections?* Please write down based on your personal judgment if the respondent(s) had difficulties answering certain sections.

Question 33: *Which were these sections?* Please fill in the section numbers where the respondent(s) had difficulties, starting with the most difficult section.

Question 34: *Were there any difficulties during the interview?* Please write down in detail if there were any difficulties.

Question 35: *Overall comments.* Feel free to write down any comments.

Question 36: *Was there anybody else present during the interview in addition to the household head.* Please indicate *YES* (1) if there was anybody else present during the interview in addition to the person answering the questionnaire (the household head in most cases). If there are several people involved in answering the questionnaire, please specify who was present in addition to the main respondent. For example, if the household head answered most of the questions and the spouse answered some questions, please indicate *YES* if the spouse was present during the interview. If only the person answering the questionnaire (the household head) was present, indicate *NO* (2) and continue with the enumerator lookup.

Question 37: *Who was present during the interview?* Please specify how the other person(s) present during the interview are related to the household. Indicate whether there were other household members present during the interview, whether there were non-household members (friends or neighbors for example) present and whether there was a government official (for example the bag governor or the aimag statistician) present during the interview.

Household general information (at time of third year)

Question 1: *Enumeration Area (EA) Code.* Write down the appropriate answer code. The EA code is obtained from the list provided by the NSO.

Question 2: *Household Number.* Write down the number.

Question 3: *Strata.* Write down the appropriate answer code.

Question 4: *Aim名称 and aimag code.* During the interview only the name of the aimag should be written in the answer cells. In the evening, the enumerator should look up Chapter 4 of this manual and fill in the code of the aimag.

Question 5: *Soum name and soum code.* During the interview only the name of the soum should be written in the answer cells. In the evening, the enumerator should look up Chapter 4 of this manual and fill in the code of the soum.

Question 6: *Bag name.* Write down the bag name.

Question 7: *Household address.* Please write down the complete address where the interview takes place as detailed as possible. You can also describe landmarks or landscapes that are located nearby (such as the name of a mountain, a river, or a natural landmark).

Question 8: *Enumerator name and ID.* Write down the full name and ID of the enumerator.

Question 9: *Supervisor name and ID.* Write down the full name and ID of the team supervisor.

Questions 10-11: *Data entry operator name and ID.* Write down the full name and ID of the data entry operator.

Question 12: *Name of head of household.* Write down the full name.

Question 13: *Household size in 2nd wave.* Fill in the number of household members recorded in the second wave.

Question 14: *Household size in 3rd wave.* Fill in the number of household members living in the household at the moment.

Question 15: *Number of visits to the household.* Please write down the date of all visits (year, month and day) you did to the household to finish the interview and indicate the result using the given code.

Question 16-17: *Time of interview.* Write down the hour and minute when the interview starts and ends.

INDIVIDUAL QUESTIONNAIRE

I Household Roster

I Household Identification

This section refers to all household members. Read out the following to the household:

“Now I would like to ask some information about people who usually live in your household (who usually sleep in the same place and eat from the same pot as you). Please also list people who are

household members but who do not live in the household at present. Which person is the head of this household?"

Definition: The **Head of household** is a person who is aged 15 or older, who is acknowledged as the head by the other household members, who plays the main role in organizing others and bear full responsibility for household problems, who makes the major decisions in terms of household finance, and who knows the other household members well.

(A) INDIVIDUAL QUESTIONNAIRE

ASK QUESTIONS IN PART (A) TO THE HEAD OF HOUSEHOLD IF THE HEAD IS AVAILABLE. IF THE HEAD IS NOT AVAILABLE, ASK ANOTHER SENIOR PERSON IN THE HOUSEHOLD WHO IS WELL-INFORMED ABOUT ALL HOUSEHOLD MEMBERS. ALL QUESTIONS HAVE TO BE ANSWERED FOR ABSENT HOUSEHOLD MEMBERS AS WELL.

SECTION 1: Household Roster

Subsection 1.1 Household roster - all persons who were recorded as household members during the second year

Question 1,01: *Copy the names of household members from the 2nd year. Copy them in the same order.* This section refers to all household members who were present during the 2nd year. It is advisable for the enumerators to write down the names of respondents beforehand and address them by their names to create a familiar and pleasant atmosphere for the interview.

Question 1,02: *Is this person still member of the household?* Ask if this person is still a member of household, record 1(=Yes) or if this person is no longer a member write 2 (=No) and move on to the next household member.

Question 1,03: *Relationship to head of the household.* Ask for every single member how the person is related to the head of household. This question checks if all the members are covered, and is important for controlling the completeness of the following questions. Please make sure, the central person is the head and think about the relationship from this person to all other household members when answering this question.

Question 1,04: *Sex.* Ask each household member's sex and write down the appropriate answer code.

Question 1,05: *Age.* Write down the current age in full years of every member. For example, for a child aged 10 months write 0; for a child aged 16 months write 1. Give particular attention to the age of children. If in doubt, ask to see birth certificates or other official documents.

Question 1,06: *Marital status.* For every household member of age 15 and older write down the appropriate code. The answer code "never married" refers to persons who are single or bachelor. "Married and had marriage registered" refers to persons who have registered their marriage legally. "Married without having marriage registered" refers to persons who are married but have not legally registered the marriage. "Separated" refers to persons who live separately from their former partner but who did not file for a divorce legally. Persons who's partner is currently absent (for example, for work, travel, or in prison) should not be included in this category. "Divorced" refers to persons who got a legal divorce from their former wife/husband. "Widowed" refers to persons who lost their wife/husband and who do not live in a new marriage.

Question 1,07: *Absence from household in the past month.* This question asks whether a person has been absent from the household for one day or more during the past month. If the answer is no (2), move on to Q1,09

Question 1,08: *Number of days absent.* Calculate the total number of days a person was away from the household in the month before the interview. For example, if the person has been away for 2 days at the beginning of last month and again 1 day at the end of the month, the answer is 3.

Question 1,09: *Absence from household in the past 12 month.* This question asks whether a person has been absent from the household for more than one month at a time during the past 12 months. If the answer is no (2), move on to Q1,11.

Question 1,10: *Number of months absent.* Calculate the total number of months a person was away from the household in the past 12 months before the interview. For example, if the person has been away for 2 months at the beginning of last year and again one month at the end of the year, the answer is 3.

Question 1,11: *Visits to UB.* Indicate whether the person has been to UB in the past 12 months.

Section 1.2 Household roster - new members (all persons who were NOT recorded as household members during the second year)

Question 1,12: *Record the names of new household members.* This section refers to all household member(s) who newly joined this household and who were not recorded as household members during the second year of interview.

Question 1,13: *When did [NAME] join the household?* Record year and month the new household member(s) joined this household.

Question 1,14: *Why did [NAME] join the household?* Record the most important reason why the new member(s) joined this household. If none of the categories from 1-7 apply, then write 8 and specify briefly.

Question 1,15: *Relationship to head of the household.* Ask for every single new member how the person is related to the head of household. This question checks if all the members are covered, and is important for controlling the completeness of the following questions. Please make sure, the central person is the head and think about the relationship from this person to all other household members when answering this question.

Question 1,16: *Sex.* Ask each household member's sex and write down the appropriate answer code

Question 1,17: *Year, month, day of birth.* Write down the year, month, and day of birth of every new household member and write down a 8-digit number (for example a person, who was born on the 3rd of August 1955 → 1955 08 03)

Question 1,18: *Age.* Write down the current age in full years of every new member. For example, for a child aged 10 months write 0; for a child aged 16 months write 1. Give particular attention to the age of children. If in doubt, ask to see birth certificates or other official documents.

Question 1,19: *Ethnic affiliation.* If the answer codes do not fit the respondent's reply, fill in answer code 9 ("other") and write down the person's ethnic affiliation in the answer cell. For instance, if a person is Han Chinese, write 9 and "Han Chinese".

Subsection 1.2 Household roster - new members (continuation 1)

Question 1,20: *Absence from household in the past month.* This question asks whether a person has been absent from the household for one day or more during the past month. If the answer is no (2), move on to Q1,22.

Question 1,21: *Number of days absent.* Calculate the total number of days a person was away from the household in the month before the interview. For example, if the person has been away for 2 days at the beginning of last month and again 1 day at the end of the month, the answer is 3.

Question 1,22: *Absence from household in the past 12 month.* This question asks whether a person has been absent from the household for more than one month at a time during the past 12 months. If the answer is no (2), move on to Q1,24.

Question 1,23: *Number of months absent.* Calculate the total number of months a person was away from the household in the past 12 months before the interview. For example, if the person has been

away for 2 months at the beginning of last year and again one month at the end of the year, the answer is 3.

Question 1,24: *Household member was in UB in the past 12 months.* This question asks whether a person has been in UB during the past 12 months. Please write down the appropriate answer code.

Q1,25 and Q1,26 refer to Children between 0-17.

Question 1,25: *Father alive.* Ask the child if his/her father is still alive write down the appropriate answer code.

Question 1,26: *Mother alive.* Ask the child if his/her mother is still alive and write down the appropriate answer code.

Q1,27, Q1,28 and Q1,29 refer to household members 15 years and older.

Question 1,27: *Marital status.* For every household member of age 15 and older write down the appropriate code. The answer code “never married” refers to persons who are single or bachelor. “Married and had marriage registered” refers to persons who have registered their marriage legally. “Married without having marriage registered” refers to persons who are married but have not legally registered the marriage. “Separated” refers to persons who live separately from their former partner but who did not file for a divorce legally. Persons who’s partner is currently absent (for example, for work, travel, or in prison) should not be included in this category. “Divorced” refers to persons who got a legal divorce from their former wife/husband. “Widowed” refers to persons who lost their wife/husband and who do not live in a new marriage.

Question 1,28: *Religion.* If the answer codes do not fit the respondent’s reply, fill in answer code 6 (“other”) and write down the person’s religion in the answer cell. For instance, if a person follows Hinduism, write 6 and “Hinduism”.

Section 1.3 Household roster - members who left since the second year (Section 1.1, Question 1,02)

Please look up in Section 1.1, Question 1,02 and copy the ID codes of persons who are no longer household members.

Column 1: *Copy the ID code of the persons who are no longer household members from the household roster.* Copy them in the same order as in Section 1.1, Question 1,02. This section refers to all household members that left since the second year.

Question 1,31: *Why is [NAME] no longer member of the household?* Ask why this person is no longer a member of this household. Record the most important reason. If none of the categories from 1-9 apply, then write 10 and specify briefly.

Question 1,32: *When did [NAME] leave / decease?* Ask year and month the person left this household, or in case the household member is deceased ask very sensitively for the year and month the person deceased.

Question 1,34: *Age of [NAME] when he/she left?* Record the complete years of age when this household member left the household. In the case of a child under age 1, put 0 in the answer cell.

Question 1,35: *What was the relationship of [NAME] to the head of household?* Ask for every single member who left this household how this person was related to the head of household. Please make sure the central person is the head and think about the relationship of this person to each other household member when answering this question.

II Education

SECTION 2: Education

Subsection 2.1 Education of only new household members 6 years and older

FOR NEW MEMBERS 6 YEARS AND OLDER FROM HOUSEHOLD ROSTER. PLEASE REFER TO SECTION 1.2 TO LOOK UP THE ID CODE OF NEW MEMBERS OF HOUSEHOLD.

Column 1: *ID codes of new household members 6 years and older.* Copy the ID codes of all new household members who are 6 years and older from the Household Roster into the first column. Make sure you write down the actual ID numbers of the household members. For example, if household members with ID codes 21, 22, and 24 are older than 6 years old, then fill in 21, 22 and 24 in the first three rows of column 1.

Question 2,01: *Attending school in the current school year.* Persons who are currently attending school or having a break from school are considered as attending school. Ask this question to new household members aged 6 to 29 years.

Question 2,02: *Ever attended school.* Persons who have ever attended school (also if school was not completed) are considered as ever attended school. Ask this question to all new household members.

Question 2,03: *Highest certificate/qualification.* The highest education level is determined by the highest completed qualification. For instance, someone completed secondary education in 1991 and graduated later in 1998 with a bachelor's degree. In this case, his education level is 2=bachelor.

Question 2,04: *Reason for never attended school.* Read out the question and choose the answer code which fits the respondent's answer best. If respondent gives several answers, ask for the main reason for not having attended school.

Question 2,05: *Literacy.* Persons who can read without any difficulty are literate. If the person responding does not understand the question, ask "Can you read a letter?".

Section 2.2 Education - all household members currently in school

FOR ALL MEMBERS BETWEEN 6 AND 29 YEARS CURRENTLY IN SCHOOL FROM HOUSEHOLD ROSTER. REFER TO SECTION 1.1 AND 1.2 TO LOOK UP THE ID CODES.

Column 1: *ID codes of household members 6 to 29 years who are currently in school.* Copy the ID codes of all household members who are between 6 and 29 years and who are currently in school from the Household Roster.

Question 2,06: *Public or private school.* Write down whether the ownership of the school is public or private.

Question 2,07: *Grade in which currently enrolled.* Write down the school type (Q2,07a) and the grade (Q2,07b). If none of the school types 1-3 apply, use code 4 ("Other") and specify the school type.

Question 2,09: *Education expenditures.* This question contains 4 sub-questions (2,09a to 2,09d) about the total costs for the full school year. Ask for each specific expense type separately. If the payments are made in kind (meat or animals), estimate the value of the goods. If the household did not make any payments for an expense type, write 0. Sub-questions 2,09a and 2,09d includes only net fees which are directly paid by the household. For example, fees which have not to be paid as of the Education Support Service are excluded.

Question 2,10: *Student scholarship.* Ask whether the person receives any form of scholarship.

Question 2,11: *Difficulties in paying.* Read out the question and all answer options. The respondent is asked to provide an answer on a scale from 1 (no difficulties) to 5 (very large difficulties). Fill in the choice of the respondent

III Health

SECTION 3: Health

FOR ALL HOUSEHOLD MEMBERS. IF HE/SHE IS PRESENT, ASK EACH MEMBER DIRECTLY. IF A PERSON IS NOT PRESENT, ASK THE HEAD OR SENIOR MEMBER OF THE HOUSEHOLD ABOUT THE HEALTH CONDITION OF ABSENT PERSON. THIS SECTION INCLUDES THE NEW HOUSEHOLD MEMBERS AS WELL AS THE MEMBERS WHO LEFT THE HOUSEHOLD IN THE FIRST AND SECOND YEAR. (REFER TO SECTION 1.1 AND 1.2 TO LOOK UP THE ID CODES.)

This section refers to all household members.

Column 1: *ID codes of all household members.* Copy the ID codes of all household members from the Household Roster into the first column. Make sure you write down the actual ID numbers of the household members.

Question 3,01: *Person responds himself/herself.* Indicate whether person is responding him/herself.

Question 3,02: *Mental or physical disabilities.* Ask very sensitively whether the person has any serious mental or physical disabilities. If a person's "disability" is clearly known, record the answer without asking the question.

Definition: Persons with disabilities include those who have long-term physical (speaking, seeing, hearing), mental, intellectual or sensory impairments which in interaction with various barriers may hinder their full and effective participation in society on an equal basis with others.

Question 3,03: *Health problems last month.* Ask whether person had any health problems in the last month before the interview.

Question 3,04: *Missing of daily activities last month.* Ask only members aged 6 and above Ask how many days the person was unable to participate in daily activities (for instance, work, domestic work or school) because of poor health. If no activities missed, write 0.

Question 3,05: *Health insurance.* Ask the person whether she/he is covered by health insurance. If the answer is no (2), move on to Q3,07.

Note that a retired or less than 16 years old member should be covered because in this case health insurance is paid by the Government.

Question 3,06: *Who pays for health insurance.* Ask the member who pays for the health insurance and write down the corresponding answer code. In case of a person retired or less than 16 years old member whose health insurance is paid by the Government, write down Code 4.

Question 3,07: *Reason for not being insured.* Read out the question and choose the answer code which fits the respondent's answer best. If respondent gives several answers, ask for the main reason for not being insured. If none of the answer codes fits to the respondent's answer, choose code 8 and specify briefly.

SECTION 3: Health (continuation)

FOR ALL HOUSEHOLD MEMBERS. IF HE/SHE IS PRESENT, ASK EACH MEMBER DIRECTLY. IF A PERSON IS NOT PRESENT, ASK THE HEAD OR SENIOR MEMBER OF THE HOUSEHOLD ABOUT THE HEALTH CONDITION OF ABSENT PERSON.

Q3,08 and Q3,09 refer to outpatient visits.

Question 3,08: *Treatment at health facility/local healer.* Write down whether the person has sought outpatient treatment at a health facility or a traditional healer last month. If the answer is no (2), move on to Q3,10.

Question 3,09: *Amount of payment for outpatient treatment.* Write down the total amount the household spend on the treatment. This includes all costs related to the outpatient visit, e.g. formal and informal payments, transportation, and any gifts.

Q3,10 and Q3,11 refer to medicine bought.

Question 3,10: *Purchase of medicine.* Write down whether the household has bought any medicine (both with and without prescription) for the household member last month. If the answer is no (2), move on to Q3,12.

Question 3,11: *Amount of payment for medicine.* Write down the total amount the household spend on medicine. This includes all costs for medicine both with and without prescription.

Q3,12 to Q3,15 refer to hospital visits.

Question 3,12: *Hospital stay.* Write down whether the person has stayed at a public or private hospital or clinic overnight during the past 12 months.

Question 3,13: *Public or private hospital.* Write down whether the ownership of the hospital is public or private.

Question 3,14: *Location of hospital.* Ask the location of the hospital and write down the corresponding answer code. If the hospital was abroad, write 99.

Question 3,15: *Amount of payment for hospital treatment.* Write down the total amount the household spend on the hospital treatment in the past 12 months. This includes all costs related to the hospital or clinic, e.g. formal and informal payments, transportation, and gifts.

IV Employment

SECTION 4: Employment

Subsection 4.1 Employment last week

FOR INDIVIDUALS 10 YEARS AND OLDER.

Column 1: *ID codes of all household members 10 years and older.* Copy the ID codes of all household members 10 years and older from the Household Roster into the first column. Make sure you write down the actual ID numbers of the household members. For example household members with ID codes 01, 02, and 04 are 10 years or older, then fill in 01, 02 and 04 in the first three rows of column 1.

Question 4,01: *Any work last week.* This question refers to any kind of employment last week. Consider any kind of work, both in herding and non-herding activities. Consider both work in the household or outside the household (for example for another person, a company, or the government).

Question 4,02: *Permanent job last week.* Ask whether the person has a permanent job although he/she did not work in this job in the past 7 days. A permanent job, as opposed to a temporary job, is a job where the person is working on a regular, continuing basis. Consider both work in the household or outside the household (for example, for another person, a company, or the government). In case of students or retired household members, choose code 2, and continue with Q4,04.

Question 4,03: *Reason for not working last week.* Read out the question and choose the answer code which fits the respondent's answer best. If none of the answer codes fit to the respondent's answer, choose category 8 and explain.

Question 4,04: *Looking for work last week.* Ask whether person has actively looked for work last week. This may include writing applications, calling people to get information about jobs, and doing job interviews.

Question 4,05: *Main reason for not looking for work last week.* Read out the question and choose the answer code which fits the respondent's answer best. If none of the categories 1-8 apply, use code 9 and specify the reason for not looking for work.

Subsection 4.2 Employment filter

FOR INDIVIDUALS 10 YEARS AND OLDER.

Column 1: *ID codes of all household members 10 years and older.* Copy the ID codes of all household members 10 years and older from the Household Roster into the first column.

Question 4,06: *Work in herding activities in the past 12 months.* Ask whether the household member was involved in herding activities in the past 12 months. For this question, it does not matter whether he/she worked for his/her own household or for another herder or a cooperative as hired herder.

Question 4,07: *Herding inside or outside household.* This question asks about the employer in the person's herding activities. Ask whether he/she worked for the household OR as hired herder for somebody outside the household (for example for another herder or a cooperative). In case the household member worked in herding in the past 12 months both inside and outside the household, choose category 3.

Question 4,08: *Non-herding activities in the past 12 months.* Ask whether the person was involved in any kind of work other than herding in the past 12 months. This could be farming, or any non-agricultural activity, such as having a business, or working in mining.

Question 4,09: *Non-herding activities inside or outside household.* This questions asks about the employer in the person's non-herding activities. Ask whether the person worked for the household or himself, or in a wage job for somebody outside the household, e.g. another person, a company, or the government. In a wage job, the person receives a regular compensation (in cash or in kind) from her/his employer. In case the household member worked in non-herding activities both inside and outside the household, choose category 3.

Question 4,10: *Informal gold mining.* Ask whether the person worked in informal gold mining the past 12 months.

Question 4,11–4,15: *Filter questions for enumerators.* These questions are answered by the enumerator. The enumerator needs to check the answers to Q4,06 to Q4,10 in order to answer Q4,11 to Q4,15. The answers to these questions will be needed later in the employment section.

Subsection 4.3 Working in herding for the household

FOR INDIVIDUALS 10 YEARS AND OLDER WITH Q4.11 YES IN EMPLOYMENT FILTER

Column 1: *ID codes of all household members 10 years and older doing herding for the household.* Copy the ID codes of all household members from the employment filter (subsection 4.2 employment filter) with Q4.11=yes into the first column.

The following questions Q4.16 to Q4.19 refer to any work done in herding for the household or for the person himself, regardless if the person did other work at the same time.

Question 4,16: *Every month or some months in herding.* Ask whether person worked every month or only some months in herding for the household or himself/herself in the past 12 months.

Question 4,17: *Months worked in herding.* Ask for every month of the past year separately, whether the person worked in herding. This question refers to any work done in herding for the household, regardless if the person did any other kind of work at the same time. When asking this question

replace “X MONTHS AGO” with the real name of the month and year. Please refer to the “Lookup X Months Ago” at the beginning of the questionnaire. Write 1 in the cell for the month in which the person worked for the household’s herding business. If the person did not work in one month, leave the cell blank.

Example: Imagine the interview takes place in June 2014. Then the corresponding month and year when asking question 4,17.1 is June 2013, Q4,17.2 July 2013, and so on until Q4,17.12 with May 2014.

Question 4,18: *Days worked in herding.* Write down how many days the person worked in herding for the household last week. It does not matter how many hours the person worked every day. If the person did not work at all, record “0” for zero days worked in herding.

Question 4,19: *Hours worked in herding.* Write down the number of hours the person worked in herding on an average day. Make sure the answer does not exceed 18 hours; sleeping does not count as work.

Subsection 4.4 Working as hired herder for someone outside the household

FOR INDIVIDUALS 10 YEARS AND OLDER WITH Q4.12 YES IN EMPLOYMENT FILTER

Column 1: *ID codes of all household members 10 years and older herding for the household.* Copy the ID codes of all household members from the employment filter (subsection 4.2 employment filter) with Q4,12=yes into the first column.

The following questions Q4,20 to Q4,24 refer to any work as hired herder outside the household, regardless if the person did other work at the same time.

Question 4,20: *Number of employers.* Write down how many different employers the household member had as hired herder during the past 12 months.

Question 4,21: *Every month or some months as hired herder.* Ask whether person worked every month or only some months as hired herder for someone outside the household in the past 12 months.

Question 4,22: *Months worked as hired herder.* Ask for every month of the past year separately, whether the person worked as hired herder. When asking this question replace “X MONTHS AGO” with the real name of the month and year. Please refer to the “Lookup X Months Ago” at the beginning of the questionnaire. Write 1 in the cell for the month in which the person worked as hired herder. If the person did not work as hired herder in one month, leave the cell blank.

Example: Imagine the interview takes place in June 2014. Then the corresponding month and year when asking question 4,22.1 is June 2013, Q4,22.2 July 2013, and so on until Q4,22.12 with May 2014.

Question 4,23: *Days worked in herding.* Write down how many days the person worked as hired herder outside the household last week. It does not matter how many hours the person worked every day. If the person did not work at all, record “0” for zero days worked in herding.

Question 4,24: *Hours worked in herding.* Write down the number of hours the person worked in herding on an average day. Make sure the answer does not exceed 18 hours; sleeping does not count as work.

Subsection 4.4 Working as hired herder for someone outside the household (continuation)

FOR INDIVIDUALS 10 YEARS AND OLDER WITH Q4.12 YES IN EMPLOYMENT FILTER. QUESTIONS REFER TO CURRENT JOB. IF A PERSON DOES NOT CURRENTLY WORK AS HIRED HERDER, REFER TO HIS/HER LAST JOB AS HIRED HERDER.

Column 1: *ID codes of all household members 10 years and older herding for the household.* Copy the ID codes of all household members from the employment filter (subsection 4.2 employment filter) with Q4,12=yes into the first column.

Q4,25 to Q 4,28 refer to wage as a hired herder.

Question 4,25: *Frequency of payments.* Read out the question and choose the answer code which fits the respondent's answer. Payments can be either in cash or in kind. If none of the frequencies 1-4 apply, use answer code 5 and specify the frequency of payment.

Question 4,26: *Amount of payment.* Ask the amount of pay the household member receives. Write down the amount of cash (in Tugrug) in the column Q4,26a. For payments in the form of animals, record the number of animal received depending on the kind of animals in the columns of Q4,26b1. to Q4,26b5.

Question 4,27: *Payment in food.* Read out the question and all answer options and fill in the choice of the respondent.

Question 4,28: *Payment in clothes.* Read out the question and all answer options and fill in the choice of the respondent.

Question 4,29: *Relation to employer.* Read out the question and all answer options and fill in the choice of the respondent.

Question 4,30: *Other family members.* Ask whether person moved to the employer alone or whether he/she brought other family members along.

Subsection 4.5 Activities in the Household Non-Herding Business

FOR INDIVIDUALS 10 YEARS AND OLDER WITH Q4,13 YES IN EMPLOYMENT FILTER.

Column 1: *ID codes of all household members 10 years and older working in the household's non-herding business.* Copy the ID codes of all household members from the employment filter (subsection 4.2 employment filter) with Q4,13=yes into the first column.

Question 4,31: *Kind of activity.* Ask about the person's kind of activity in the household's non-herding business in the past 12 months and describe the business briefly in sub-question 4,31a during the interview. After the interview, look up the business code (in 4 digits) in Chapter 4 of this manual and write it down in column 4,31b.

Question 4,32: *Every month or some months in household non-herding business.* Ask whether the person worked every month or only some months in the household non-herding business in the past 12 months.

Question 4,33: *Months worked in household non-herding business.* Ask for every month of the past year separately, whether the person worked in the household's non-herding business.

When asking this question replace "X MONTHS AGO" with the real name of the month and year. Please refer to the "Lookup X Months Ago" at the beginning of the questionnaire. Write 1 in the cell for the month in which the person worked in the household's non-herding business. If the person did not work in the household's non-herding business in one month, leave the cell blank.

Example: Imagine the interview takes place in June 2014. Then the corresponding month and year when asking question 4,33.1 is June 2013, Q4,33.2 July 2013, and so on until Q4,33.12 with May 2014.

Question 4,34: *Days worked in household non-herding business.* Write down how many days the person worked in this business last week. It does not matter how many hours the person worked every

day. If the person did not work at all, record “0” for zero days worked in the household’s non-herding business.

Question 4,35: *Hours worked in household non-herding business.* Write down the number of hours the person worked in this business on an average day. Make sure the answer does not exceed 18 hours; sleeping does not count as work.

Subsection 4.6 Working in Non-Herding Wage Job for Someone Outside the Household

FOR INDIVIDUALS 10 YEARS AND OLDER WITH Q4,14 YES IN EMPLOYMENT FILTER.

Column 1: *ID codes of all household members 10 years and older working in a non-herding wage job.* Copy the ID codes of all household members from the employment filter (subsection 4.2 employment filter) with Q4,14=yes into the first column.

The following questions Q4,36 to Q4,41 refer to any non-herding wage job outside the household regardless if the person did any other kind of work at the same time.

Question 4,36: *Kind of wage job.* Ask about the person’s kind of main wage job in the past 12 months and describe the job briefly in sub-question 4,36a during the interview. After the interview, look up the job code (in 3 digits) in Chapter 4 of this manual and write it down in column 4,36b.

Question 4,37: *Number of wage jobs.* Ask the number of different non-herding wage jobs the household member had during the past 12 months. A different job could be either a job with a different employer or a different job type.

Question 4,38: *Every month or some months in wage job.* Ask whether person worked every month or only some months in non-herding wage jobs in the past 12 months.

Question 4,39: *Months worked in wage job.* Ask for every month of the past year separately, whether the person worked in non-herding wage jobs. Months in which the household member took paid vacation, count as work. When asking this question replace “X MONTHS AGO” with the real name of the month and year. Please refer to the “Lookup X Months Ago” at the beginning of the questionnaire. Write 1 in the cell for the month in which the person worked in non-herding wage jobs. If the person did not work in non-herding wage jobs in one month, leave the cell blank.

Example: Imagine the interview takes place in June 2014. Then the corresponding month and year when asking question 4,39.1 is June 2013, Q4,39.2 July 2013, and so on until Q4,33.12 with May 2014.

Question 4,40: *Days worked in wage job.* Write down how many days the person worked in his/her current non-herding wage job last week. It does not matter how many hours the person worked every day. If the person did not work at all, record “0” for zero days worked in the household’s non-herding business.

Question 4,41: *Hours worked in wage job.* Write down the number of hours the person worked in his/her current wage job on an average day. Make sure the answer does not exceed 18 hours; sleeping does not count as work.

Subsection 4.6 Working in Non-Herding Wage Job for Someone Outside the Household (continuation)

FOR INDIVIDUALS 10 YEARS AND OLDER WITH Q4,14 YES IN EMPLOYMENT FILTER. QUESTIONS REFER TO CURRENT MAIN JOB. IF PERSON DOES NOT CURRENTLY HAVE A JOB REFER TO HIS/HER LAST JOB.

Column 1: *ID codes of all household members 10 years and older working in a non-herding wage job.* Copy the ID codes of all household members from the employment filter (subsection 4.2 employment filter) with Q4,14=yes into the first column.

Question 4,42: *Employer.* Ask about the person's employer for his/her current main job and write down the answer code which fits best.

Q4,43 to Q4,46 refer to payments for wage work.

Question 4,43: *Employment Contract.* Ask if the employed person has an employment contract. The contract should be written and can include a permanent or a fixed-term/temporary agreement.

Question 4,44: *Payment.* Ask whether the person received any payment for his/her non-herding wage-job in the past 12 months.

Question 4,45: *Value of Payment.* In sub-question 4,45a, write down the amount of regular pay (excl. bonuses and special pay) that the household member receives (in Tugrug). In sub-question 4,45b, ask for the usual frequency of payment and choose the corresponding answer option. If none of the categories 1-3 apply, use code 4 and specify the frequency.

Question 4,46: *Bonuses and special payments.* In sub-question 4,46a, write down the amount of bonuses and special pay that the household member receives (in Tugrug). In sub-question 4,46b, ask for the usual frequency of these payments and choose the corresponding answer option. If none of the categories 1-3 apply, use code 4 and specify the frequency. If the person did not receive any bonuses or special payments, write 0.

Subsection 4.7 Working in informal gold mining (“ninja”)

THIS SECTION REFERS TO ALL PEOPLE DOING WORK RELATED TO INFORMAL GOLD MINING, INCLUDING THOSE PROVIDING SERVICES IN THE GOLD MINING CAMPS, SUCH AS COOKING.

Please look up in the employment filter Q4.10. If the answer is *YES*, ask questions in this section for every household member who is 10 years and older. If a person is not present, ask the household head (or somebody of the household who knows the absent person well) about this person's work in the informal gold mining.

Column 1: Copy the ID codes of all household members who are 10 years and older and with Q4.15=yes from the Household Roster into the first column. (Please refer to sections 1.1 AND 1.2 to look up the ID codes.) Make sure you write down the actual ID numbers of the household members. For example, if household members with ID codes 01, 02, and 04 are older than 10 years old, then fill in 01, 02 and 04 in the first three rows of column 1.

Question 4,47: *In the past 12 months, did [NAME] work every month or only some months in informal gold mining ("ninja")?* If the respondent worked every month in informal gold mining write 1 and skip to Q4.49, if the respondent worked only some months write 2 and proceed to the next question.

Question 4,48: *In the past 12 months, in which months did [NAME] work in informal mining?* This question refers to any work done in informal gold mining regardless if the person did any other kind of work at the same time. When the interviewer asks the question for every month of the past year, the interviewer replaces “X months ago” with the real name of the month and year. Please refer to the “Look up X Months Ago” at the beginning of the questionnaire. Ask every part of the question separately and record the answer immediately by writing a 1 in the cell for the month in which the person worked. If the person did not work in that month, leave the cell blank.

Question 4,49: *Last week, how many days did [NAME] work in informal gold mining?* This question refers to the number of days worked in informal mining in the last week. If the person did not work in

informal mining in the last week, record “0” and move on to the next person. Please ask this question for a whole week.

Example: Suppose the interview takes place on a Wednesday in June 2014. Then the last week refers to the whole last week, from Monday to Sunday.

Question 4,50: *How many hours did [NAME] work in informal gold mining on an average day?* Ask the number of hours the person worked in informal mining on an average day. Please make sure that the answer does not exceed 18 hours per day.

Question 4,51: *In the past 12 months, how much money did [NAME] make out of informal gold mining (all months taken together)?* Ask for the amount of money received from working in informal gold mining activities. Please add up the value for all months and write it down in Tugrug.

Question 4,52: *What was the main reason why [NAME] started working in informal gold mining?* Read out the question and choose the answer code, which fits the respondent’s answer best. If none of the categories 1-4 apply, use category 5 and specify briefly.

Question 4,53: *Does [NAME] plan to return to herding in the future?* Ask if the person plans to return to herding in the future. Choose from categories 1-3. Write 99 if the person has not been in herding before.

V Siblings

SECTION 5: Siblings

Subsection 5.1 Siblings of the head of household

Question 5,01: *Record the names of siblings of the head of household.* Please begin with the oldest.

THE NAME OF SIBLINGS IS ONLY ASKED TO HELP RESPONDENTS ANSWER THIS SECTION. THE NAMES SHALL NOT BE ENTERED ELECTRONICALLY AND SHALL NOT BE STORED IN ANY OTHER WAY.

Question 5,02: *Sex.* Ask about each sibling’s sex and write down the appropriate answer code.

Question 5,03: *Age.* Write down the current age in full years of every sibling.

Question 5,04: *Sibling alive.* Ask for every sibling if he/she is still alive. If the answer is no, go on with the next sibling.

Question 5,06: *What is the highest certificate or qualification that the sibling of the household head obtained?* Record the answer using the answer categories 1 to 8.

Question 5,07: *In which sector is the sibling working?* Or in case he/she is not working at the moment, in which sector has he worked in his last job. Use the answer categories 1-4, if he has/had no job, record 5 and if none of the categories applies record 6 and specify the sector.

Question 5,08: *Does sibling own any livestock?* Fill in the appropriate answer code.

Question 5,09: *Contact with sibling.* Write down in full numbers, how many times they see each other per year.

Question 5,10: *Siblings’ help.* Ask if he/she ever helped this household out with Q5,10a) Money/credit, Q5,10b) Finding a job, Q5,10c) business/herding, Q5,10d) household tasks, write down the appropriate answer code in each column.

Question 5,11: *Siblings’ help in the past 12 months.* Ask how many times he/she helped the household head out with Q5,11a) Money/credit, Q5,11b) Finding a job, Q5,11c) business/herding,

Q5,11d) household tasks, and write down in each column full numbers of times he/she helped out with the various tasks.

Subsection 5.2 Siblings of the spouse of the head of household

Question 5,12: *Record the names of siblings of the spouse of the head of household.* Please begin with the oldest.

THE NAME OF SIBLINGS IS ONLY ASKED TO HELP RESPONDENTS ANSWER THIS SECTION. THE NAMES SHALL NOT BE ENTERED ELECTRONICALLY AND SHALL NOT BE STORED IN ANY OTHER WAY.

Question 5,13: *Sex.* Ask about each sibling's sex and write down the appropriate answer code.

Question 5,14: *Age.* Write down the current age in full years of every sibling..

Question 5,15: *Sibling alive.* Ask for every sibling if he/she is still alive. If the answer is no, go on with the next sibling.

Question 5,17: *What is the highest certificate or qualification that the sibling of the spouse of the household head obtained?* The highest education level is determined by the highest completed qualification. For instance, someone completed secondary education in 1991 and graduated later in 1998 with a bachelor's degree. In this case, his education level is 2=bachelor.

Question 5,18: *In which sector is the sibling working?* Or in case he/she is not working at the moment, in which sector has he worked in his last job. Use the answer categories 1-4, if he has/had no job, record 5 and if none of the categories applies record 6 and specify the sector.

Question 5,19: *Does sibling own any livestock?* Fill in the appropriate answer code.

Question 5,20: *Contact with sibling.* Write down in full numbers, how many times they see each other per year.

Question 5,21: *Siblings' help.* Ask if he/she ever helped this household out with Q5,21a) Money/credit, Q5,21b) Finding a job, Q5,21c) business/herding, Q5,21d) household tasks, and write down the appropriate answer code in each column.

Question 5,22: *Siblings' help in the past 12 months.* Ask how many times he/she helped the spouse of the head of household out with Q5,22a) Money/credit, Q5,22b) Finding a job, Q5,22c) business/herding, Q5,22d) household tasks, write down in each column full numbers of times he/she helped out with the various tasks.

VI Personality and time preferences

SECTION 6 Personality and time preferences

Personality

If the head is available, ask these questions to the household head. If the head is not available, ask another senior person in the household. All questions in this section should reflect the opinion of the person who responds this section, i.e. NOT of the household head if the respondent is not the head.

READ: HOW DO YOU SEE YOURSELF BASED ON THE FOLLOWING STATEMENTS? PLEASE RATE FROM 0 (COMPLETELY DISAGREE) TO 10 (COMPLETELY AGREE).

Question 6,01: *I see myself as someone who does a thorough job.* Ask whether the respondent sees himself/herself as someone who does a thorough job. Fill in the blank with corresponding scale from 0 to 10.

Question 6,02: *I see myself as someone who tends to be lazy.* Ask whether the respondent sees him/herself as someone who ever calls him/herself lazy.

Question 6,03: *I see myself as someone who does things efficiently.* Ask whether the respondent sees him/herself as someone who does things productively and efficiently.

Question 6,04: *I see myself as someone who is talkative.* Ask whether the respondent sees him/herself as someone who is talkative and chatty.

Question 6,05: *I see myself as someone who is outgoing and sociable.* Ask whether the respondent sees him/herself as someone who is extrovert and sociable.

Question 6,06: *I see myself as someone who is reserved.* Ask whether the respondent sees him/herself as someone who prefers to remain quiet and reserved.

Question 6,07: *I see myself as someone who is sometimes rude to others.* Ask whether the respondent sees him/herself as someone who acts rude, insensitive and inconsiderate.

Question 6,08: *I see myself as someone who has a forgiving nature.* Ask whether the respondent sees him/herself as someone who forgives and apologizes others including him/herself.

Question 6,09: *I see myself as someone who is considerate and kind to everyone.* Ask whether the respondent sees him/herself as someone who is caring and respectful to everyone including him/herself.

Question 6,10: *I see myself as someone who worries a lot.* Ask whether the respondent sees him/herself as someone who is often anxious and has a worrisome attitude.

Question 6,11: *I see myself as someone who is relaxed, handles stress well.* Ask whether the respondent sees him/herself as someone who is easy-going to deal with stress and simply calms him/herself.

Question 6,12: *I see myself as someone who gets nervous easily.* Ask whether the respondent sees him/herself as someone who gets nervous easily.

Question 6,13: *I see myself as someone who is original, comes up with new ideas.* Ask whether the respondent sees him/herself as someone who is creative and innovative.

Question 6,14: *I see myself as someone who values artistic, aesthetic experiences.* Ask whether the respondent sees him/herself as someone who likes art and feels it.

Question 6,15: *I see myself as someone who has an active imagination.* Ask whether the respondent sees him/herself as someone who tends to have a very creative and present imagination.

Question 6,16: *I see myself as someone who has overcome setbacks to conquer an important challenge.* Ask whether the respondent sees him/herself as someone who aims to deal with challenges without giving up.

Question 6,17: *I see myself as someone who sticks to routines and finishes whatever I begin.* Ask whether the respondent sees him/herself as someone who sticks to a routine and tends to finish it without giving up.

Question 6,18: *I see myself as someone who thinks about the future results of the activity I am doing.* Ask whether the respondent sees him/herself as someone who has a clear view of the future outcome of the activity he/she is doing.

Question 6,19: *ENUMERATOR : Does this household own any livestock?* This is a filter question. If this household does not own any livestock, go to question 6,29.

Question 6,20: *I am strongly motivated to cooperate with other herders.* Ask whether the respondent sees him/herself as someone who prefers to work and cooperate with other herders in herding activity.

Question 6,21: *I like being very isolated from other herders.* Ask whether the respondent sees him/herself as someone who prefers to work alone in herding activity.

Question 6,22: *I do not pay attention to other herders' needs.* Ask whether the respondent sees him/herself as someone who does not care and pay attention to other herders and their needs.

Question 6,23: *I am very aware of my goals in my herding activities.* Ask whether the respondent sees him/herself as someone who has clear view of his/her herding activities in the future.

Question 6,24: *I am strongly motivated to improve the quality of my livestock.* Ask whether the respondent is willing to improve the quality of his/her livestock.

Question 6,25: *I am not interested in improving my herding practices.* Ask whether the respondent is satisfied with his/her current herding practices and not willing to improve it further.

Question 6,26: *In herding activities, I keep working even in harsh conditions.* Ask whether the respondent sees him/herself as someone who is willing to be responsible to take care of his/her livestock even in harsh conditions.

Question 6,27: *In herding activities, I always think about future results of my activities.* Ask whether the respondent sees him/herself as someone who tends to have a clear vision and present imagination of his/her herding activities.

Question 6,28: *Herding activity takes time, but I still enjoy working on it.* Ask whether the respondent sees him/herself as someone who enjoys spending his/her time to work on herding activity.

Trust

Question 6,29: *I see myself as someone who trusts others.* Ask whether the respondent sees him/herself as someone who trusts others.

Question 6,30: *I think most people who live in this soum are trustworthy.* Ask whether the respondent feels the people living in the same soum are trustworthy enough.

Question 6,31: *I think most people who live in this soum are willing to help me if I need.* Ask whether the respondent thinks that soum people are helpful when he/she needs it.

Question 6,32: *I think that I should be very cautious in this soum, otherwise some may take advantage of me.* Ask whether the respondent is not satisfied with the trustworthiness of his/her soum people.

Question 6,33: *I think in these days, I should not rely on anybody.* Ask whether the respondent does not trust others or expect others to behave in a particular way (help, support etc.)

Question 6,34: *I think in this soum people trust each other to lend or borrow money.* Ask the respondent whether he feels that in this soum people trust each other when it comes to money issues.

Personality and time preferences of head of household (continuation)

ENUMERATOR: ASK THIS SECTION TO THE HEAD OF HOUSEHOLD.

Time preferences

READ: NOW I WOULD LIKE TO ASK YOU TO IMAGINE A POSSIBLE SCENARIO IN WHICH YOU HAVE THE CHANCE TO EARN MONEY. I WILL PRESENT TO YOU TWO OPTIONS – PLEASE INDICATE WHICH OF THE TWO YOU WOULD PREFER.

Question 6,35: *Receive 60 000 Tugrug today or 75 000 Tugrug in one month.* Ask whether the respondent prefers to receive 60 000 Tugrug today or if he is willing to wait one month and receive 75 000 Tugrug. If the respondent chooses option 2 (75 000 Tugrug) skip to question 6,39.

Question 6,36: *Receive 60 000 Tugrug today or 90 000 Tugrug in one month.* Ask whether the respondent prefers to receive 60 000 Tugrug today or if he is willing to wait one month and receive 90 000 Tugrug. If the respondent chooses option 2 (90 000 Tugrug) skip to question 6,39.

Question 6,37: *Receive 60 000 Tugrug today or 120 000 Tugrug in one month.* Ask whether the respondent prefers to receive 60 000 Tugrug today or if he is willing to wait one month and receive 120 000 Tugrug. If the respondent chooses option 2 (120 000 Tugrug) skip to question 6,39.

Question 6,38: *Receive 60 000 Tugrug today or 180 000 Tugrug in one month.* Ask whether the respondent prefers to receive 60 000 Tugrug today or if he is willing to wait one month and receive 180 000 Tugrug.

Question 6,39: *ENUMERATOR.* Fill in the ID code of the person who answered this section.

HOUSEHOLD QUESTIONNAIRE

This part of the questionnaire refers to the household as a whole. Only one household member (usually the head or the member who is best informed about household activities and the financial situation) is required to give information. Most sections start with a filter question. The filter questions are designed to determine if the individual answering the question needs to continue answering all subsequent questions or subsections.

VII Household Non-Herding Business

The household head or another senior person who is well-informed about the financial situation of the household should answer this section on the household's non-herding business.

SECTION 7: Household Non-Herding Business

Question 7,01: *Non-herding business.* Ask whether anyone in the household operates a non-herding business which produces goods or services. Check the employment whether for any household member Q4,13=yes. If the answer is no, go to section 8.

In this section, each row represents a separate business (Column 1: Business Code). The business code identifies the number of businesses run by the household. For example, if a household operates a bakery and a taxi, two rows should be filled out (one for every business).

Question 7,02: *Business sector.* Ask about in what sector the household business operates and describe briefly in 7,02a during the interview. After the interview, look up the business code (in 4 digits) in Chapter 4 of this manual and write it down in column Q7,02b.

Question 7,03: *Registration.* Ask the household member whether the business is formally registered.

Question 7,04: *Profits each month.* Ask whether the profit of the business was low (=1), average (=2), high (=3) in every month in the past 12 months. If the business did not operate in a particular month, write 0=none (business not in operation) in that month. While asking this question, replace "X MONTHS AGO" with the real name of the month and year.

Example: Imagine the interview takes place in June 2014. Then the corresponding month and year when asking question 4a is June 2013, question 4b July 2013, and so on until question 4l with May 2014.

Definition: Profit is the net income from the business. It is the total revenues after deducting all costs.

Question 7,05: *Low profit, average profit and high profit.* Write down the total profit in each column. *Low profit.* Write down the total profit (in Tugrug) derived from this business in a low profit month.

Average profit. Write down the total profit (in Tugrug) derived from this business in an average profit month. *High profit.* Write down the total profit (in Tugrug) derived from this business in a high profit month. Make sure to only report a 0 if the profit of the business is indeed zero (in a low profit month). If the business was only started very recently and there hasn't been a low profit month yet, write 9.

Question 7,06: ENUMERATOR: Write the ID code of the person answering (most of) this section.

VIII Transfer Income

SECTION 8: Transfer Income

The household head or another senior person who is well-informed about the financial situation of the household should answer this section on the transfer income received by the household.

Question 8,01: *Having heard about food stamps.* Ask whether the respondent knows of the food stamps program. Show an example food stamp to the household.

Question 8,02: *Receiving food stamps.* Ask if the household has ever received food stamps either in paper or electronic version.

Question 8,03: *Last time receiving food stamps.* Write down the month and the year when the household received food stamps the last time.

Question 8,04: *Value of food stamps.* Write down the cash value (in Tugrug) of the food stamps received last time.

Question 8,05: *Having heard about Medicaid program.* Ask whether the respondent knows of the Medicaid Program.

Question 8,06: *Participation in Medicaid program.* Ask whether the household has ever participated in the Medicaid Program.

Question 8,07: *Current Participation in Medicaid program.* Ask whether the household is currently participating in the Medicaid Program.

Question 8,08: *Use of the following health services.* Ask whether the household used any of the listed health services in the past 3 months. Write 1 (=Yes) if they used it and 2 (=No) if they don't.

Question 8,09: ENUMERATOR: Write the ID code of the person answering this section.

In this section, each row represents a transfer income type (Column 1: Transfer Income Code).

Question 8,10: *Receiving assistance.* Ask whether the household or any single member received a given transfer income type in the past 12 months. Replace "IN THE PAST 12 MONTHS" with the real name of the month and the year. Please refer to the "Lookup Xmonths ago" at the beginning of the questionnaire.

Question 8,11: *Amount of assistance.* In sub-question Q8,11a, write down the amount of assistance (in Tugrug) the household received last time for each transfer income type. In sub-question 8,11b, ask for the usual frequency of payment and choose the corresponding answer option. If none of the categories 1-4 apply, use code 5 and specify the frequency. This question refers to the net amount of assistance paid out to the household, e.g. after deducting bank and other fees.

IX Other household Income

SECTION 9: Other household income

The household head or another senior person who is well-informed about the financial situation of the household should answer this section on other income received by the household.

Question 9,01: Inheritances. Ask whether household received any inheritance in the past 12 months. If the answer is no, go to Q9,04.

Question 9,02: Amount of inheritances in animals. Write down the number of animals (by type of animal) the household received as inheritance in the past 12 months. If the household did not receive any livestock as inheritance, write 0.

Question 9,03: Amount of inheritances in cash or goods. Write down the value of inheritance (in Tugrug) the household received in cash or goods, excluding livestock, in the past 12 months. If goods were inherited estimate the equivalent value in Tugrug. If the household did not receive any cash or goods as inheritance, write 0.

Question 9,04: Renting out assets. This is a filter question: Ask if the household received any other income from renting out assets in the past 12 months. Assets include apartments, gers, tools and equipment, and vehicles. If the answer is no, go to section 10.

Question 9,05 : Each row represents a type of income generated through renting out assets (Column 1: Other Income Code). *Amount of rent.* Ask the amount of rent the household received from renting out the different income types (see Column 1) in the past 12 months. In sub-question 9,05 a, write down the amount of cash (in Tugrug) received. In sub-question b, write down the number of animals (by type of animal) the household received in the past 12 months. If the household did not receive any livestock, write 0. If the household received rent from more than one type, write down the total value for every income type.

Example: The household rented out 2 gers. Summarize the total rent of both gers in the past 12 months and write down the total value in the first row (apartment or gers) in answer cell Q9,05a.

X Farming

SECTION 10: FARMING

The household head or another senior person who is well-informed about the household's farming activities should answer this section.

Question 10,01: Produced/collected hay or other substitute animal fodder. Ask whether the household produced or collected hay or any other substitute for animal fodder in the last 12 months. If Yes (=1) skip to question 10,03.

Question 10,02: Why not? Ask the household why they didn't produce or collect any hay or other substitute for animal fodder. If they name several reasons ask what was the main reason.

Question 10,03: Farming. Filter question: Ask whether any member of the household has farmed any land in the past 12 months.

Question 10,04: Total area. Write down the total area of all land farmed in square meters.

Example: If the length of the farmed land is 16 meters and width is 9 meters, the area of the farmed land is 144 square meters ($9 \times 16 = 144$).

Question 10,05: Income from farming. In this question, each row represents a crop type (Column 1: Crop Code).

Question 10,05a: Harvested crops. Write down how many kilos were harvested in the last 12 months for each crop type. If the crop is not cultivated, record "0".

Question 10,05b: *Sold crops.* Write down how many kilos of the harvested crops were sold in the last 12 months for each crop type. If the crop is not sold, record “0”.

Question 10,05c: *Income from selling crops.* Ask the total amount received (in Tugrug) from selling harvested crops for each crop type.

Question 10,06: *Feed household’s livestock.* Ask the respondent to estimate for how many days the planted animal fodder is sufficient to feed their livestock.

Question 10,07: In this question, each row represents an expenditure type (Column 1: Expenditure Code). If there is an additional expenditure type in a given household, fill in expenditure type 11 (“Other expenditure”) and specify the name of the expenditure. Ask the total amount (in Tugrug) the household spent on farming in the past 12 months for each expenditure type. If the household did not have any costs for a given expenditure type, write 0.

XI Livestock

The household head or another senior person who is well-informed about the household’s livestock activities should answer this section. The following questions only refer to livestock the household owns, not to leased livestock.

SECTION 11: Livestock

Question 11,01: *Ownership of livestock.* Filter question: Ask whether the household or any member of the household owned any livestock in the past 12 months.

Question 11,02: *Birthing season.* Write down whether the birthing season for goats and sheep is completed, ongoing or whether it has not started yet for this year at the time of the interview.

Question 11,03: Each row represents a livestock type (Column 1: Livestock Code). Cattle (livestock type 04) also includes yak and hainag.

Question 11,03a: *Total number.* Write down the total number of livestock the household currently owns for each type of livestock.

Question 11,03b: *Reproductive female animals.* Write down the number of reproductive females for each type of livestock.

Question 11,03c: *Newborns this year.* Write down the number of newborns of this year for each type of livestock. If birthing season did not begin at the time of the interview write 99.

Question 11,04: *Changes in Livestock in Past 12 Months.*

Question 11,04a: *Purchased.* Write down the number of livestock for each type of livestock the household purchased in the past 12 months.

Question 11,04b: *Home consumption.* Write down the number of livestock for each type of livestock the household consumed in the past 12 months.

Questions 11,04c – 11,04g refer to losses in past 12 months.

Question 11,04c: *Theft.* Write down the number of livestock stolen from the household in the past 12 months for each type of livestock.

Question 11,04d: *Killed by wild animals.* Write down the number of livestock killed by wild animals in the past 12 months for each type of livestock.

Question 11,04e: *Died due to dzud.* Write down the number of livestock that died due to dzud in the past 12 months for each type of livestock.

Question 11,04f: *Died due to disease.* Write down the number of livestock that died due to disease in the past 12 months for each type of livestock.

Question 11,04g: *Died due to other reasons.* Write down the number of livestock that died due to other reasons in the past 12 months for each type of livestock. Such reasons may include accident or old age.

Question 11,05: *Income from sale of live livestock.* Write down the number of live animals (by livestock type) sold in the past 12 months in cell 11,05a. Write down the total amount received from sales (by livestock type) in cash (in Tugrug) in answer cell 11,05b. The sale of livestock contains only living animals. Each row represents a livestock type (Column 1: Livestock Code). Note that there are now two different categories for horses: race horses and other horses.

Question 11,06: *Income from sale of slaughtered livestock.* Write down the number of slaughtered animals (by livestock type) sold in the past 12 months in cell 11,06a. Write down the total amount received from sales (by livestock type) in cash (in Tugrug) in answer cell 11,06b. The sale of livestock contains only slaughtered livestock.

Question 11,07: *To whom did the household sell most livestock in the past 12 months?* Ask the respondent for the most important buyer of their livestock. If the respondent gives several answers, ask for the most important. If the respondent did not sell livestock record 99 and move to the Q.11,10.

Question 11,08: *Source of information about livestock prices.* Write in each line the appropriate answer code.

Question 11,09: *What is the most important means to get information on the current selling price of livestock in the past 12 months?* Ask the respondent for the most important source of information on the current price of livestock. If the respondent gives several answers, ask for the most important.

Question 11,10: *Production and Sale of Livestock Byproducts in Past 12 Month.* In this section, each row represents one livestock byproduct type (Column 1: Livestock Byproduct Code). There are 3 categories of byproduct types: wool and hair; skins; and milk.

Question 11,10 a: *Production of livestock byproducts in total.* Write down the number of units (kilos, pieces) the household produced of different kinds of wool & hair and skins in the past 12 months. Note that the measurement units vary by type of byproduct. If the household did not produce a given byproduct, write 0.

Question 11,10b: *Sale of livestock byproducts.* Write down how many units of each livestock byproduct the household sold in the past 12 months. If the household did not sell a given byproduct, write 0.

Question 11,10c: *Income from byproducts.* Write down the total amount the household earned through the sale of each livestock byproduct in the past 12 months.

Question 11,11: *Animals currently owned by the household.* In this section, each row represents a domestic animal type (Column 1: Domestic Animal Code). Write the number of animals in the appropriate row.

Question 11,12: *Expenditure on livestock activities.* Ask the total amount (in Tugrug) the household spent on livestock activities in the past 12 months for each expenditure type. If the household did not have any costs for a given expenditure type, write 0. Each row represents a type of expenditure in livestock activities (Column 1: Expenditure Code). If there is an additional expenditure type in a given household, fill in Expenditure Type 10 (“Other”) and specify the name of the expenditure.

Question 11,13: *Does your household own any goats?* Ask if the household owns any goats, if the household does not own goats record 2(=No) and move on to section 12.

Question 11,14: *What breed of goats does your household have today?* Ask what breed of goat this household owns. If the household has several breeds of goats, give information on the most dominant breed. Record the answer using categories 1-9, if none applies then write 10 and specify briefly.

Question 11,15: *Did your household change the breed of goats to increase the quantity of cashmere yield anytime in the past?* Ask if the household made any attempts to cross-breed their goats or to purchase a different strain of goats with the purpose of increasing the cashmere yield.

Question 11,16: *To whom did the household sell most cashmere in the past 12 months?* Ask the respondent for the most important buyer of their cashmere. If the respondent gives several answers, ask for the most important. If the respondent did not sell cashmere record 99 and move to the Q11,21.

Question 11,17: *Source of information about cashmere prices.* Write in each line the appropriate answer code.

Question 11,18: *What was the most important means to get information on the current selling price of cashmere in the past 12 months?* Ask the respondent for the most important source of information on the current price of cashmere. If the respondent gives several answers, ask for the most important.

Question 11,19: *Plan an increase in number of goats.* Ask if they plan to buy more goats for their herd in the next 12 months. If the answer is no, go on with Q11,21.

Question 11,20: *Number of goats.* Write down the number of goats they plan to have in the herd in total.

ENUMERATOR: Please read the following to the respondent- NOW I WOULD LIKE TO ASK YOU ABOUT A FUTURE SCENARIO IN WHICH THE PRICE OF CASHMERE INCREASED. Assist and encourage the respondent to imagine the following scenarios and clarify questions multiple times if needed.

Question 11,21: *If the price of cashmere goes up to 100,000 Tugrug per kg, will you increase the number of goats in your herd?* Record the answer using 1(=Yes) and 2(=No), if the answer is 2(=No) move on to the Q11,23.

Question 11,22: *If the price of cashmere goes up to 100,000 Tugrug per kg, how many goats will you plan to have in your herd in total?* Please ask for the total number of goats the household will own after adding more goats to the herd as a result of cashmere prize increase.

Question 11,23: *If the price of cashmere goes up to 125,000 Tugrug per kg, will you increase the number of goats in your herd?* Record the answer using 1(=Yes) and 2(=No), if the answer is 2(=No) move on to the Q11,25.

Question 11,24: *If the price of cashmere goes up to 125,000 Tugrug per kg, how many goats will you plan to have in your herd in total?* Please record the total number of goats the household will own after adding more goats to the herd as a result of cashmere prize increase.

Question 11,25: *If the price of cashmere goes up to 150,000 Tugrug per kg, will you increase the number of goats in your herd?* Record the answer using 1(=Yes) and 2(=No), if the answer is 2(=No) move on to the Q11,27.

Question 11,26: *If the price of cashmere goes up to 150,000 Tugrug per kg, how many goats will you plan to have in your herd in total?* Please record the total number of goats the household will own after adding more goats to the herd as a result of cashmere prize increase.

Question 11,27: *Do you agree with the notion that goats cause damage to the pasture land?* Ask the respondent if they agree or disagree with the notion that goats cause damage to the pasture land. Choose from the categories provided. Record 5(=Do not know) if the respondent does not have a particular opinion regarding this question.

XII Herding

General issues on herding today

Question 12,01: *Livestock disease.* Ask whether the household's animals suffered from any livestock disease during the last 12 months.

Question 12,02: *Which disease.* Write down the disease's name.

Question 12,03: *Veterinarian.* Write down whether a veterinarian examined the household's animals in the last 12 months.

Question 12,04: *Vaccination.* Ask whether the household's animals got any vaccinations in the last 12 months. Specify who vaccinated the animals.

Question 12,05: *Reason for no vaccination.* Ask why the household did not have the animals vaccinated the last 12 months and choose the answer code which fits best. In case the respondent gives several reasons, ask for the most important reason. If none of the categories 1-5 applies to the answer, use code 6 and briefly specify.

Index-based livestock insurance

QUESTIONS 12.06 TO 12.36 REFER TO INDEX BASED LIVESTOCK INSURANCE.

Index-based livestock insurance is an insurance program that was designed by the World Bank together with the government of Mongolia and is now marketed by insurance companies. The insurance program relies on a mortality rate index by species in each local region. The index provides strong incentives to individual herders to continue to manage their herds so as to minimize the impacts of major livestock mortality events; individual herders receive an insurance payout based on the local mortality, irrespective of their individual losses.

Index-based livestock insurance applies to livestock only that is herded. Racing horses cannot be covered by index-based livestock insurance. (If households mention that they insured racing horses, then they are talking about a different insurance than the one we are interested in here.)

Index-based livestock insurance is only sold during April, May, June and July in each year.

READ OUT: NEXT, I WILL ASK YOU SOME QUESTIONS REGARDING AN INSURANCE PRODUCT AGAINST DZUD, WHICH IS CALLED INDEX-BASED LIVESTOCK INSURANCE.

Question 12,06: *Have you heard of index-based livestock insurance?* Ask the head of household if he has ever heard of index-based livestock insurance. If yes, go on with the next question. If not, continue with section 12,37.

Question 12,07: *Have you heard of index-based livestock insurance through the following channels?* Read out all 12 options and put a 1 in the box after each channel through which the respondent has heard of index-based livestock insurance. Put a 2 for the channels through which the respondent has not heard of index-based livestock insurance. If there is another channel through which the respondent has heard of index-based livestock insurance, choose option 13 and specify briefly.

Question 12,08: *Did your household receive information on index-based livestock insurance from an insurance agent who came to visit your household in 2014?* Put a 1 if an insurance agent visited the household in 2014 and provided information on index-based livestock insurance. Put a 2 if no insurance agent visited the household in 2014 and continue with question 12,12.

Question 12,09: *Did the information received from the insurance agent influence your household's decision to buy index-based livestock insurance?* Indicate 1 if the information received through insurance agent that visited the household influenced the decision to buy index-based livestock insurance, 2 otherwise.

Question 12,10: *Do you know the insurance agent personally?* Ask whether the household knows the insurance agent personally (before the visit).

Question 12,11: *Define the relationship.* Ask the household to specify their relationship to the insurance agent.

Question 12,12: *In what circumstances does a household which bought index-based livestock insurance receive payouts?* These questions should be answered by all households that have heard of index-based livestock insurance, regardless of the channel through which they have heard of it.

The purpose of questions 12.12a-12.12e is to explain different scenarios that might or might not lead to insurance pay-outs. So you can read out the text in questions 12.12a-12.12e or show the pictograms that are meant to illustrate the different scenarios or both. You can use this to make the interview a bit funny. Don't take it too serious. Make sure that the HH understands that we are not business agency who wants to sell insurance.

Please do not give any hints to the households. We know that index-based livestock insurance is a very complex product. Therefore, it is really important that the respondent chooses the answer he thinks is correct. So there is no "right" or "wrong" answer to these questions. Every answer we get is a good answer.

Please read out the text and/or show the pictograms for the five scenarios in questions 12.12a-12.12e. For each question, put a 1 if the respondent thinks he would receive a payout under this scenario and 2 if he thinks he would not receive a payout. Then go on to the next scenario.

Question 12,13: *How do you perceive your understanding of how index-based livestock insurance works? Please imagine a scale from 0 (do not understand it at all) to 10 (understand it completely).* Ask the respondent how he perceives his own understanding of how the index-based livestock insurance works, regardless of what he answered to questions 12.20a-12.20e. He should position himself on a scale from 0 (do not understand how it works at all) to 10 (understand completely how it works).

Question 12,14: *Did your household buy (or plans to buy) index-based livestock insurance in 2014?* Put a 1 if the household bought (or plans to buy) index-based livestock insurance in 2014 and continue with question 12.16. Put a 2 if the household did not buy or plan to buy index-based livestock insurance. Keep in mind that the selling period for the insurance for 2014 ends in July 2014. Households interviewed in August 2014 and later should therefore only answer *YES* if they actually already bought insurance.

Question 12,15: *Why not?* If the household didn't buy or doesn't plan to buy index-based livestock insurance in 2014, ask for the reason for not doing it. If several reasons apply, put the most relevant one. If none of the categories 1-13 applies to the answer, use code 14 and specify briefly. Continue with question 12.36.

Question 12,16: *Was your household the first to buy index-based livestock insurance among your family or friends?* Ask whether the household bought the insurance before any friends or family members bought this insurance.

Question 12,17: *Who bought index-based livestock insurance before yourself?* Read out the question and all answer options and fill in the choice of the respondent.

Question 12,18: *How many persons do you know bought index-based livestock insurance before yourself?* Write down how many persons in total bought the insurance before the household.

Question 12,19: *Did the decision of these person(s) affect your own decision to buy or not to buy index-based livestock insurance?* Ask whether the persons listed in question 12,17 influenced the household in their decision to buy the index-based livestock insurance.

Question 12,20: *How many persons do you know who bought index-based insurance for the winter 2014/2015?* Record how many persons the household does know who bought index-based livestock insurance for the upcoming winter (2014/2015).

Question 12,21: *In what month in 2014 did your household buy (or plans to buy) index-based livestock insurance?* Indicate the month in which the household bought (or plans to buy) index-based livestock insurance in 2014. Month 1 refers to January 2014, month 2 to February 2014 and so on.

Question 12,22: *How much did your household pay for index-based livestock insurance in 2014?* Ask the household how much he paid in total for index-based livestock insurance in 2014. By this we mean that payments are done in 2014 and the household thus insures himself against dzud in the winter of 2014/2015. Write down total payments in Tugrug. If the household can't remember the exact amount, ask the respondent to do a rough estimation of the total amount of all payments made.

Question 12,23: *How many animals of your herd are currently insured?* Record for every species how many animals are insured.

Question 12,24: *Why did your household not insure all animals?* Write down why the household didn't buy full insurance and fill in for each possibility listed if it applies or not. Indicate 1 if the answer applies and 2 if the answer does not apply. If a household bought insurance for all animals, go directly to question 12,25.

Question 12,25: *Did the decision to buy index-based livestock insurance make your household spend more, the same, or less on the following activities?* Read out the first of the following 5 activities and ask whether the household spent more (put a 1), the same (put a 2) or less (put a 3) on this activity due to his decision to buy index-based livestock insurance. Do the same for the remaining 4 activities.

Question 12,26: *After buying index-based livestock insurance, does your household intend to increase your herd size in the future?* Ask whether the household intends to increase the herd size in the future after buying index-based livestock insurance. This is regardless of whether the household has previously already increased the size of his herd or not. Indicate 1 if the household plans to increase the herd size and 2 if not.

Question 12,27: *After buying index-based livestock insurance, does your household intend to change the composition of your herd in the future?* Indicate whether the household intends to change the composition of his herd in the future after buying index-based livestock insurance.

Question 12,28: *Did your household receive any insurance payouts from index-based livestock insurance in the past 12 months?* Indicate if the household received any insurance payouts from index-based livestock insurance in the past 12 month. Then continue with question 12.30. Write down 2 if the household did not receive any insurance payouts from index-based livestock insurance in the past 12 month, regardless of whether the household received payouts at a point in time that is longer than 12 months ago.

Question 12,29: *Do you think your household should have received insurance payouts from index-based livestock insurance?* If the household did not receive payouts from index-based livestock insurance in the past 12 months, ask whether the head thinks his household should have received a payout. Put 1 if yes and 2 if no. Continue with question 12.34.

Question 12,30: *In what month in 2014 did your household receive the payouts from index-based livestock insurance?* For the households that did receive insurance payouts, ask for the exact month in which the payout was received in 2014. Month 1 refers to January 2014, month 2 to February 2014 and so on. If the household received several payouts, ask for the most important one.

Question 12,31: *How much did your household receive as payouts from index-based livestock insurance?* Put the total amount the household received as payouts from index-based livestock insurance. If the household can't remember the exact amount, ask the head to do a rough estimation of the total amount of the payouts received.

Question 12,32: *Did your household use the last payouts from index-based livestock insurance for the following purposes?* Ask separately whether the household used insurance payouts for each of the 9 different purposes (Q12.32 (1) to Q12.32 (9)).

Question 12,33: *Did the insurance payouts from index-based livestock insurance help your household manage dzud?* Read out the question and all answer options and fill in the choice of the respondent about whether insurance payouts helped to manage dzud or other problems.

Question 12,34: *What do you think: How likely is it that you will receive insurance payouts in 2015?* Please ask the respondent to rate how likely it is that the household will receive insurance payouts in 2015 on a scale from 0 (very unlikely) to 10 (very likely).

Question 12,35: *In general, how satisfied are you with index-based livestock insurance? Please imagine a scale from 0 (completely dissatisfied) to 10 (completely satisfied).* Ask the respondent to rank how satisfied she/he is with index-based livestock insurance in general on a scale from 0 (completely dissatisfied) to 10 (completely satisfied).

Question 12,36: *Does your household consider buying index-based livestock insurance in 2015?* Ask whether the household plans to buy index-based livestock insurance in 2015 and choose the answer code which fits best.

Question 12,37: *Conflict related to herding.* Ask whether the household experienced any conflict in the last 12 months and specify what the conflict or dispute was about. Fill in 1 (YES) if the household experienced this sort of conflict or dispute otherwise fill in 2 (NO).

Question 12,38: *Actors involved in conflict.* Write down which actors were involved in the conflict or disput. If none of the categories 1-3 apply, use code 4 and briefly specify.

Question 12,39: *Access to pasture land.* Ask how the household gets access to his current pasture land if another herder wants to use the pasture land as well. List all reasons that apply by indicating 1 (YES) if the method applies otherwise fill in 2 (NO).

Question 12,40: *Importance of factors.* Ask the household to rank the factors mentioned in question 12,39 from the first important to the third most important. If the household mentioned less than 3 options in question 12,39 write down 9 in non-used space.

Question 12,41: *Possession rights for campsites.* Does the household have possession rights (ezemshix gerchilgee) or use rights (ashiglax erx) for his campsites? Fill in for each campsite (winter, spring, summer, autumn) if the household has possession rights (1), use rights (2) or there exists no contract at all (3).

Question 12,42: *Possession rights for pasture land.* Write down whether the household has possession rights (ezemshix gerchilgee) or use rights (ashiglax erx) for the pasture land at his campsites. Again fill in for each campsite (winter, spring, summer, autumn) if the household has possession rights (1), use rights (2) or there exists no contract at all (3).

Question 12,43: *Trespassing on your pasture land.* Ask the household if in the past 12 months other households has trespassed their pasture land. If NO (2) skip to question 12,45.

Question 12,44: *Drive out from campsite.* Did the household or the bag/soum governor drive out (xuux,tux) the trespassing household from his campsite or pasture land in the past 12 months.

Question 12,45: *Trespassing on other household's pasture land.* Please indicate whether the household trespassed on pasture land from other households in the past 12 months.

Question 12,46: *Driven out from campsite.* Write down whether the household got driven out (xuux, tux) in the past 12 months from a campsite or pasture land.

Question 12,47: *Driven out at any time.* Ask whether the household got driven out (xuux, tux) at any time in the past (not only in the past 12 months as in question 12,46).

Question 12,48: *Drive out at any time.* Write down if the household or the bag/soum governor drove out another household from their campsite at any time in the past (not only in the past 12 months as in question 12,44).

Question 12,49: *Organization of access and use of pasture land.* Ask how the household thinks the access and use of pasture land should be organized. Choose the answer code which fits best.

Question 12,50: *Organization of access and use of hayfields.* Ask how the household thinks the access and use of hayfields should be organized. Choose the answer code which fits best.

Question 12,51: *Organization of access and use of campsites.* Ask how the household thinks the access and use of campsites should be organized. Choose the answer code which fits best.

Question 12,52: *Organization of access and use of wells.* Ask how the household thinks the access and use of wells should be organized. Choose the answer code which fits best.

Khot ail

Filter Question 12,53: *ENUMERATOR: IS THIS A HERDING HOUSEHOLD LIVING IN A RURAL AREA?* If this is a herding household living in a rural area record 1(=Yes) and move on to the next question, if this is not a herding household record 2(=No) and move on to the next section 13.

Question 12,54: *Camping alone or together with other households.* Write down whether the household currently camps alone or together with other households within a khot ail. If the household camps alone fill in 1 and skip to question 12,63, otherwise fill in 2 and continue with the next question.

Question 12,55: *Relationship between the households.* Ask what best describes the relationship between the households camping together (khot ail) and choose the answer code which expresses the main relationship. Please use only one answer code. If the respondent names several relations then give the most important one. If none of the categories 1-3 apply, use code 4 and briefly specify the relationship.

Question 12,56: *General cooperation.* Read out the question and all answer options and fill in the choice of the respondent.

Question 12,57: *Cooperation in special tasks.* Ask for every task (Q12,57a. to Q12,57q) separately whether household cooperates with other households at the campsite.

Example: For Q12,57a, the enumerator asks: “Do you cooperate in sheering/combining livestock?”.

Question 12,58: *Years of camping together.* Record the number of years the household have been camping with the other households that are currently in the khot ail. If there is more than one other household write down the years of the household with which they have camped the longest time.

Question 12,59 – 12,62: *Seasons.* Ask if the household usually camps together with other households in winter, spring, summer and autumn. Also write down if they camp with the same household as now or if they camp with different households than now.

Question 12,63: *Condition of shelter.* Read out the two questions (Q12,63a and Q12,63b) and the answer options and fill in the choice of the respondent for the condition of each of the shelters in the past 12 months.

Question 12,64: *Quality of pastures.* Read out the four questions (Q12,64a to Q12,64d) and all answer options and fill in the choice of the respondent for the quality of each of the pastures in the past 12 months.

Question 12,65: *Quality 10 years ago.* Read out the four questions (Q12,65a to Q12,65d) and all answer options and fill in the choice of the respondent for the quality change of each of the pastures in the past 10 years.

Question 12,66: *Water supply.* Read out the four questions (Q12,66a to Q12,66d) and all answer options and fill in the choice of the respondent for the quality of each of the water sources in the past 12 months.

Question 12,67: *Time to next town.* Write down for each campsite (Q12,67a to Q12,67d) how long it takes the household on average to get to the next town (Soum or aimag center) with the usual mean of transport. Write down the time in hours and minutes.

Question 12,68: *Type of land.* Read out the four questions (Q12,68a to Q12,68d) and all answer options and fill in the choice of the respondent for the location of each of the camp sites in the past 12 months.

Question 12,69: *Years of using winter campsite.* Write down in years how long the household used his winter campsite.

Question 12,70: *Reserve pasture.* Indicate whether the household set aside reserve pasture (Nuutsiin belcheer) in the past 12 months. If NO (2) skip to question 12,73.

Question 12,71: *Allowed use of reserve pasture.* Write down if the other household used this reserve pasture with permission/consent of the household.

Question 12,72: *Unauthorized use of reserve pasture.* Write down if the other household used this reserve pasture without permission/consent of the household. Skip to question 12,74.

Question 12,73: *Why did you not set aside reserve pasture.* Read out the question and fill in the answer code which fits best.

Question 12,74: *Reserve pasture at any time in the past.* Ask whether the household set aside reserve pasture aside at any time in the past (not only in the past 12 months as in question 12,70).

Question 12,75: *Reserve pasture in the future.* Ask whether the household plans to set aside reserve pasture in the next 12 months.

Regular nomadic movements

Question 12,76: *Move to other campsite.* Ask whether the household moved to another campsite in the past 12 months.

Question 12,77: *Why did your household not move?* Read out the question and fill in the answer code which fits best. If the household names more than one reason, ask for the most important reason.

Question 12,78: *Number of movements.* Write down the number of times the household moved to a new campsite.

Question 12,79: *Distance moved.* Write down the total distance (in kilometers) the household moved in the past 12 months. Include return movements. If the household did not move and stayed on the same campsite in the past 12 months, record "0".

Question 12,80: *Means of transport.* Ask for every means of transport (Q12,80a. to Q12,80f.) separately whether household uses it to move to new campsites.

Question 12,81: *Movement before dzud 2009/2010.* Ask the household if they changed their frequency of movement, compared with the times before dzud of 2009/2010. Write down if the household moves more often (1), same (2) or if they move less (3).

Question 12,82: *Distances before dzud 2009/2010.* Ask the household if the distances changed, compared with the times before dzud of 2009/2010. Write down if the household moves longer distances (1), same (2) or if they move shorter distances (3).

Question 12,83: *Would you like to move more often.* Write down if the household would like to move more often.

Otor movements

Question 12,84: *Otor movements.* Ask whether the household sent the livestock on otor in the winter 2013/2014.

Question 12,85: *Reason for not going on otor.* Write down why the household did not send his animals on otor in the winter 2013/2014. In case the respondent gives several reasons, ask for the most important reason. If none of the categories 1-8 applies to the answer, use code 9 and briefly specify.

Question 12,86: *Otor distance.* Record the total distance (in kilometers) the animals went on otor in the winter 2013/2014. Include return movements. If animals did not go on otor in the winter 2011/2012, record "0".

Question 12,87: *Otor movement to another soum.* Ask whether the household moved the campsite to another soum anytime in the last winter.

Question 12,88: *Otor movements at any time.* Ask whether the household went on otor at any time in the past (not only in the last winter as in question 12,84).

Herding (or livestock) cooperatives

Question 12,89: *Member of herding cooperative.* Write down if any person of this household is currently member of a herding or livestock cooperative. If No (2) skip to question 12,92.

Question 12,90: *Type of cooperative.* Read out the question and indicate what kind of cooperative it is.

Question 12,91: *Benefits from membership.* Read out the question and check for each benefit if the household receives it (Q12,91a to Q12,91h).

Question 12,92: *Membership helpful.* Read out the question and ask for each area (Q12,92a to Q12,92g) to rate how helpful it is to be member on a scale from very helpful (1) to not helpful at all (5). In case the household doesn't need help in any area write 99. Afterwards skip to Question 12,94.

Question 12,93: *Why is nobody member of a herding cooperative.* Read out the question and fill in the answer code which fits best. If the household names more than one reason, ask for the most important reason.

Services to herders

Question 12,94: *Agricultural stock exchange.* Write down if the household has heard about the agricultural stock exchange.

Question 12,95: *Herder services.* Read out the question and ask for each services if the household has heard about it (Q12,95a to Q12,95e).

Question 12,96: *Use of services.* Write down if the household uses any of the listed services.

Question 12,97: *Number of cellphones.* Write down the number of members with cellphones.

Question 12,98: *Cellphone operator.* Write down which cellphone operator the respondent uses.

Question 12,99: *Use of cellphone.* Fill in for what purpose the respondent uses his cellphone.

Question 12,100: *Weather forecasts.* Fill in what means the household chooses to get information on weather forecast.

XIII Transition and experience in herding

SECTION 13: Transition and experience in herding

ENUMERATOR: PLEASE ASK THIS SECTION TO EVERY HOUSEHOLD THAT HAD LIVESTOCK IN 2009 - EVEN IF TODAY THE HOUSEHOLD DOES NOT HAVE LIVESTOCK ANY LONGER!

Ask the household head or another senior person who is well-informed about the household's herding activities should answer this section. If the head is not available, ask another senior person in household who knows best about herding activities.

Question 13,01: *Ownership of livestock.* Filter question. Ask whether the household or any member of your household owned livestock in 2009 (just before the dzud 2009/2010). If no livestock owned in 2009, go on to section 14.

Question 13,02: *Year of marriage.* Write down in what year, the household head got married. Write down the year as 4-digit number. In case the household head was never married, write 99.

Question 13,03: *Year starting own herd.* Write down in what year, the household head started having her/his own herd. Write down the year as 4-digit number.

Question 13,04: *Livestock with herding entry.* Write down how many animals the household head owned when starting her/his own herd. In case the respondent cannot remember the herd size when starting his/her own herd, write 99.

Question 13,05: *When the head started his/her own herd, what was the most important source of this livestock?* Indicate from which source were most animals of the head's initial herd (i.e. when he/she began herding by himself/herself). Ask whether head received most animals from privatization, through inheritance, through marriage, as a gift or whether head purchased them from wage or share payments. Please record the answer using the list of options

Question 13,06: *Herd before transition period.* Ask whether the head also have a private herd before the transition period. If the answer is no, go on with Q13,08.

Question 13,07: *Number of livestock in 1990.* Write down the number of livestock the head had before the transition period started in 1990. In case the respondent cannot remember the herd size in 1990, write 9999.

Question 13,08: *How many livestock did your household purchase with vouchers during the privatization in 1990/1991?* Ask for the number of animals the household purchased in the privatization program following the transition in 1990/1991. If this household did not yet exist at the time of transition, please indicate how many animals the entire household in which the current head of household lived at this time purchased with vouchers. For example, if the current head of household still lived with his parents during transition, try to give an estimate of how many animals the household of the head (i.e. the parents of the head and his brothers and sisters if they also still lived in the same household) bought. Please record the total number of each type of animals purchased.

Question 13,09: *Did your household purchase any of the following with vouchers during the privatization in 1990/1991?* Ask whether the household purchased any of these assets through the mass privatization program. Please indicate 1 if yes, 2 if no. Again, if this household did not yet exist at the time of transition, please indicate whether the entire household in which the current head of household lived at this time purchased machinery and shares with the vouchers. For example, if the current head of household still lived with his parents during transition, ask whether the household of the head at that time (i.e. the parents of the head and his brothers and sisters if they also still lived in the same household) bought machinery and shares.

Question 13,10: *Did your household spend more vouchers during the privatization in 1990/1991 on livestock or more on machinery and shares?* Ask the household to think of all their purchases and report whether they spent more vouchers (in terms of value) on livestock or more on other assets. Please indicate 1 if the household spent more on livestock than other assets, 2 if the household spent roughly the same amount on livestock and other assets and 3 if the household spent more on other assets, than on livestock.

Question 13,11: *In retrospect, how well do you think your household spent the vouchers? Please imagine a scale from 0 (vouchers spent very badly) to 10 (vouchers spent very well).* Ask the head to rank how well he/she spent the vouchers in the privatization program on a scale from 0, meaning the vouchers were spent very badly, to 10, meaning they were spent very well.

Question 13,12: *Highest number of livestock.* Write down the highest number the head of household ever had in his/her live.

Question 13,13: *When did the head of household had this number of livestock.* Write down the year the head of household had her/his highest number of livestock. Write down the year as 4-digit number.

Question 13,14: *Three most severe dzuds in lifetime of head of household.* Write down the year of the three most severe dzuds experienced.

Series of dzuds 2000-2002

Question 13,15: *Livestock in 2000.* Ask whether the household had any livestock before the dzuds 2000-2002 and fill in the appropriate answer code.

Question 13,16: *Animals owned in 2000.* Please write down in each row the number of animals owned by this household in 2000. If they cannot remember the precise number, ask them to estimate the number of animals.

Question 13,17: *Animals lost between 2000-2002.* Please write down in each column the number of animals lost during the dzuds of 2000-2002. If they cannot remember the precise number, ask them to estimate the number of animals lost.

Dzud 2009/2010

Question 13,18: *Livestock in 2009.* Please write down in each row the number of animals owned by this household in 2009. If they cannot remember the precise number, ask them to estimate the number of animals.

Question 13,19: *Animals lost between 2009-2010.* Please write down in each row the number of animals lost during the dzuds of 2009-2010. If they cannot remember the precise number, ask them to estimate the number of animals lost.

Question 13,20: *Severity of dzud effects.* Please write down in each row the severity with which the household was affected by the dzud 2009/2010. Rate from 1 not at all affected to 5 very much affected. If it is not applicable write 9.

Question 13,21: *Severity of dzud effects compared to other persons.* Please write down in each row the severity with which the household was affected by the dzud 2009/2010 compared to the mentioned persons. Rate from 1 own household much more affected than other person to 5 own household much less affected than other person. If it is not applicable write 9

Question 13,22: *Any reserves of hay /fodder before the dzud 2009/2010.* Ask whether the household had any reserves of hay/fodder before the dzud 2009/2010 and write down the appropriate answer code.

Question 13,23: *For how many days were the reserves sufficient.* Please write down the number of days the reserves were sufficient to feed household's livestock. If they cannot remember the precise number, ask them to estimate the number of days.

Question 13,24: *Additional hay/fodder during the dzud of 2009/2010.* Ask whether they bought or collected additional hay/fodder during the dzud of 2009/2010. Write down the appropriate answer code.

Question 13,25: *Condition of winter shelters just before the dzud of 2009/2010.* Please ask for the condition of winter shelters before the dzud and write down the appropriate answer code. If the household did not possess winter shelters, write 99 and go on with Q13,28.

Question 13,26: *Winter shelters with roof before the dzud 2009/2010.* Ask whether the winter shelters had a roof just before the dzud of 2009/2010. Record 1(=Yes) or write 2 (=No).

Question 13,27: *Winter shelters isolated before the dzud 2009/2010.* Ask whether the winter shelters were isolated just before the dzud of 2009/2010. Record 1(=Yes) or write 2 (=No).

Question 13,28: *Strategies to cope with dzud 2009/2010.* Please write down in each column whether the household used the strategies mentioned to cope with the 2009/2010 dzud.

Question 13,29: *Most important coping strategies.* Ask which of the mentioned strategies was most important to the household in order to cope with the dzud.

Question 13,30: *Received livestock fodder.* Ask whether the household received any free livestock fodder during the 2009/2010 dzud.

Question 13,31: *Days of livestock fodder.* Write down the number of days the received livestock fodder lasted.

Question 13,32: *Received food aid.* Ask whether the household received any free food during the 2009/2010 dzud.

Question 14,33: *Days of food aid.* Write down the number of days the received food lasted.

Question 14,34: *Livestock restocking after dzud.* Ask whether the household received any livestock to restock the herd in order to compensate the losses of the dzud in 2009/10.

Question 14,35: *Livestock received through restocking programs.* Ask how many livestock the household received through restocking programs.

Question 14,36: *Loss recovery.* Ask the respondent to judge how well the household recovered the losses due to the 2009/10 dzud on a scale from 1 (recovered from all losses) to 5 (not recovered at all).

Question 13,37: *ENUMERATOR:* Write the ID code of the person answering (most of) this section.

XIV Negative Events

If the head is available, ask these questions to the household head. If the head is not available, ask another senior person in the household. All questions in this section should reflect the opinion of the person who responds this section, i.e. NOT of the household head if the respondent is not the head.

SECTION 14: Negative events

Subsection 14.1 Weather

ASK THIS SUBSECTION TO ALL HOUSEHOLDS

Expectations on rainfall in summer

Start this section by reading the introductory text to the respondent as it is printed in the questionnaire. In this section, we ask the respondent about his/her personal judgment of the amount of rainfall in the past and the near future. The respondent is asked to provide an answer on a scale from 0 (very BAD

rainfall) to 10 (very GOOD rainfall). Please assure the respondent that there is no “right” or “wrong” answer – we are just interested in his/her personal opinion.

Question 14,01: *Rainfall in summer 2013.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

Question 14,02: *Rainfall in summer 2014.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

Question 14,03: *Expectations of rainfall in summer 2015.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

Question 14,04: *Enumerator.* Fill in the ID code of the person who answered this section.

Expectations on winter conditions

Start this section by reading the introductory text to the respondent as it is printed in the questionnaire. In this section, we ask the respondent about his/her personal judgment of winter conditions in the past and the near future. “Harsh” winter conditions include, for instance, excessive amounts of snow, very low temperatures, a very long duration of the winter, blizzards or snow storms, and sudden ice covers. The respondent is asked to provide an answer on a scale from 0 (harsh winter) to 10 (mild winter). Please assure the respondent that there is no “right” or “wrong” answer – we are just interested in his/her personal opinion.

Question 14,05: *Conditions in winter 2013/2014.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

Question 14,06: *ENUMERATOR:* Write down whether the interview takes place before December 2014.

Question 14,07: *Conditions in winter 2014/2015.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

Question 14,08: *Conditions in winter 2014/2015.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

Question 14,09: *Conditions in winter 2015/2016.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

Subsection 14.2 Dzud

Start this section by reading the introductory text to the respondent as it is printed in the questionnaire. In this section, we ask the respondent about his/her personal judgment of dzuds in the near and distant future. The respondent is asked to judge how certain he/she is to be affected by a dzud in the future. The respondent should provide an answer on a scale from 0 (certain you WILL be affected by dzud) to 10 (certain you will NOT be affected by dzud) Please assure the respondent that there is no “right” or “wrong” answer – we are just interested in his/her personal opinion.

Question 14,10 – 14,12: *Expectations of dzud in the upcoming winters.* Please read the questions exactly as printed in the questionnaire. Write down a measure between 0 and 10.

Expectations on livestock size

Question 14,13: *ENUMERATOR:*. This is a filter question: Ask if the household currently owns any livestock.

ENUMERATOR: Look up the total number of livestock the household currently owns (Q 11,03). You need this information for the next question Q14,14.

Question 14,14: *Expectations on livestock number in 12 months.* Please read the question exactly as printed in the questionnaire. Ask about the total number of livestock, regardless of the type of livestock. The question refers to the total number of animals of all ages (not just newborns). It is up to the respondent to estimate all possible gains and losses in animals in the next 12 months. The answer should be the number of animals.

Winter 2013/2014

Question 14,15: *ENUMERATOR:* Write down whether the interview takes place before November 2014.

Question 14,16: *Warnings received beforehand.* Ask whether the household received any warnings about an impending dzud in 2013/2014.

Question 14,17: *Timing of the warning.* Ask when (in which month and year) the warning about the dzud was received. If the respondent cannot remember the date of the warning, write down 99 in the answer cell.

Question 14,18: *Usefulness of warnings received.* Ask the respondent to imagine a scale from 0 to 10 where 0 indicates the warning was not useful at all and 10 represents the warning was extremely useful. Ask the respondent to judge, on the scale from 0 to 10, how useful it was to receive the warning.

Question 14,19: *Experienced a dzud.* Ask whether the household experienced a dzud in the winter 2013/2014.

Question 14,20: *Severity of dzud.* Ask the respondent to judge how severe the dzud in 2013/2014 was on the scale from 0 to 10. On that account, ask the respondent to imagine a scale from 0 to 10 where 0 indicates the dzud was extremely severe and 10 represents a dzud not severe at all.

Question 14,21: *Type of dzud.* Ask about the type of dzud the people in this soum experienced in 2013/2014. If you experienced several types of dzud, list the most prevalent one. If none of the categories 1-6 apply, use code 7 and briefly specify the type of dzud.

Question 14,22: *Livestock losses due to dzud.* For each type of livestock (Q14,22a to Q14,22e), write down the number of livestock lost due to the dzud. If the household did not have any livestock losses due to the dzud for a certain type of livestock, record 0 in the corresponding cell.

Question 14,23: *Coping strategies.* Ask for every coping strategy (Q14,23a to Q14,23k) separately whether the household applied the strategy or not. If a certain strategy does not apply, record "99".

Question 14,24: *Most important coping strategies.* Ask which of the mentioned strategies was most important to the household in order to cope with the dzud. If a certain strategy applied, but without result record "99".

Question 14,25: *Assistance during and after dzud.* Ask for both types of assistance separately whether the household received this type of assistance or not.

Question 14,26: *Received livestock fodder.* Ask whether the household received any free livestock fodder during the 2013/2014 dzud.

Question 14,27: *Days of livestock fodder.* Write down the number of days the received livestock fodder lasted.

Question 14,28: *Received food aid.* Ask whether the household received any free food during the 2013/2014 dzud.

Question 14,29: *Days of food aid.* Write down the number of days the received food lasted.

Question 14,30: *Livestock restocking after dzud.* Ask whether the household received any livestock to restock the herd in order to compensate the losses of the dzud in 2013/14.

Question 14,31: *Livestock received through restocking programs.* Ask how many livestock the household received through restocking programs.

Question 14,32: *Loss recovery.* Ask the respondent to judge how well the household recovered the losses due to the 2009/10 dzud on a scale from 1 (recovered from all losses) to 5 (not recovered at all).

Subsection 14.2 Dzud (continuation)

Winter 2014/2015

Question 14,33: *ENUMERATOR:* Write down whether the interview takes place before November 2014.

Question 14,34: *ENUMERATOR:* Write down whether the household or any member of your household owned livestock in the past 12 months before the interview.

Question 14,35: *Warnings received.* Ask whether the household received any warnings about an impending dzud for the winter of 2014/2015.

Question 14,36: *Time of warning.* Ask when (in which month and year) the warning about the dzud was received. If the respondent cannot remember the date of the warning, write down 99 in the answer cell.

Question 14,37: *Usefulness of warnings received.* Ask the respondent to imagine a scale from 0 to 10 where 0 indicates the warning was not useful at all and 10 represents the warning was extremely useful. Ask the respondent to judge, on the scale from 0 to 10, how useful it was to receive the warning.

Question 14,38: *Dzud.* Ask whether the household experienced a dzud in the winter 2014/15.

Question 14,39: *Severity of dzud.* Ask the respondent to imagine a scale from 0 to 10 where 0 indicates the dzud was extremely severe and 10 represents a dzud not severe at all. Ask the respondent to judge how severe the dzud in winter 2014/15 was on the scale from 0 to 10.

Question 14,40: *Type of dzud.* Ask about the type of dzud the people in this soum experienced in 2014/15. If the soum experienced several types of dzuds, list the most prevalent one. If none of the categories 1-6 apply, use code 7 and briefly specify the type of dzud.

Question 14,41: *Livestock losses due to dzud.* For each type of livestock (Q14,41a. to Q14,41e.), write down the number of animals lost due to the 2014/15 dzud. If the household did not have any livestock losses due to the dzud for a certain type of livestock, record 0 in the corresponding cell.

Question 14,42: *Coping strategies.* Ask for every coping strategy (Q14,42a. to Q14,42k.) separately whether the household applied the strategy or not. If a certain strategy does not apply, record “99”.

Question 14,43: *Most important coping strategy.* Ask which of the mentioned strategies was most important to the household in order to cope with the dzud. If a certain strategy applied, but without result record “99”.

Question 14,44: *Otor movements.* Ask whether the household sent livestock on otor to another soum during the dzud in 2014/15.

Question 14,45: *Distance moved.* Write down the total distance (in kilometers) the herd was moved on otor during the dzud 2014/15. Include return movements.

Question 14,46: *If no otor movements: Reasons.* Ask for the main reason why the household did not send the livestock on otor during the dzud 2014/15. If the respondent names several reasons, list the most important reason only. In case the respondent’s answer does not apply to any of the codes 1-8, write down code 9 and briefly specify.

Question 14,47: *Assistance during and after dzud.* Ask for both types of assistance separately whether the household received this type of assistance during or after the dzud 2014/15.

Question 14,48: *Received livestock fodder.* Ask whether the household received any free livestock fodder during the 2014/15 dzud.

Question 14,49: *Days of livestock fodder.* Write down the number of days the received livestock fodder lasted during the 2014/15 dzud.

Question 14,50: *Received food aid.* Ask whether the household received any free food during the 2013/2014 dzud.

Question 14,51: *Days of food aid.* Write down the number of days the received food lasted.

Question 14,52: *Livestock restocking after dzud.* Ask whether the household received any livestock to restock the herd in order to compensate the losses of the dzud in 2014/15.

Question 14,53: *Restocking program.* Ask how many livestock the household received through restocking programs.

Question 14,54: *Loss recovery.* Ask the respondent to judge how well the household recovered the losses due to the 2014/15 dzud on a scale from 1 (recovered from all losses) to 5 (not recovered at all).

Subsection 14.3 Negative events

READ: WE WOULD LIKE TO ASK YOU ABOUT ANY UNEXPECTED EVENTS THAT CAUSED A REDUCTION IN YOUR INCOME, YOUR CONSUMPTION, OR THAT LED TO A LOSS IN YOUR HOUSEHOLD' ASSETS. IF ONE EVENT HAPPENED SEVERAL TIMES, PLEASE REPORT ON THE MOST SERVE ONE.

Question 14,55: *Experience of negative events.* In this question, each row represents a negative event. Ask for each event whether the household as a whole or any single member of the household experienced in the past 12 months. Please read the question to the respondent exactly as printed in the questionnaire. Some negative events only apply to persons with a wage-job, a business or livestock. In this case, write 99 in the answer cell.

Question 14,56: *Time of the event.* Write down the year and month in which the household experienced each event. If the household didn't experience one of the listed events, leave the gap empty.

Question 14,57: *Loss due to event.* Write down for Q14,57a – Q14,57c how much the household lost on a scale from 1 (very high losses) to 5 (no losses).

Question 14,58: *Severity of negative events.* Ask the respondent to judge how severe each negative event was to the household. Ask the respondent to imagine a scale from 0 to 10 where 0 indicates the event was extremely severe and 10 represents a negative event not severe at all.

Question 14,59: *Coping strategies.* Ask what coping strategies the household used and indicate the three most important strategies using the coping codes listed below.

Question 14,60: *Loss recovery.* Ask the respondent to judge how well the household recovered the losses due to the negative events on a scale from 1 (recovered from all losses) to 5 (not recovered at all).

XV Social Networks

Section 15: Social networks

Subsection 15.1 Informal relationships

READ: NOW I WOULD LIKE TO ASK YOU ABOUT THE PEOPLE YOU ASK FOR ADVICE, WHO HELP YOU IN EMERGENCY SITUATIONS OR PEOPLE WHO YOU HELP OUT WHEN THEY FACE A PROBLEM. PLEASE THINK ABOUT SITUATIONS IN THE PAST 12 MONTHS IN WHICH YOU PROVIDED OR RECEIVED ADVICE, SUPPORT OR HELP IN ANY FORM. (Households can decide on their own how many persons they want to list.)

Question 15,01: *How is this person related to the head?* Ask from the respondent about the relationship with the person(s) from whom they received or to whom they provided help and choose the corresponding coding categories between 1 and 6. If none of the categories apply, choose code 7 and specify briefly.

Question 15,02: *What is this person's main occupation?* Ask from the respondent about the main occupation of the person(s) from whom they received or to whom they provided help and choose the corresponding coding categories between 1 and 6. If none of the categories apply, choose code 7 and specify briefly.

Question 15,04: *How many times in the past 12 months did you help each other with the following?* For each of the persons mentioned, write down how many times the head received/provided help to/from this person for each of the situations (a) and (d). Fill in into box (1) the number of times the respondent provided help to the other person and fill in into box (2) the number of times the respondent received help from the other person.

Question 15,05: *ENUMERATOR:* Does this household own any livestock? This is a filter question. Go to question 15,10 if this household does not own any livestock.

In this table, we are going to ask about the people whom you have discussed/gave advice in the past 12 months.

Question 15,06: *How is this person related to the head?* Ask from the respondent about the relationship with the person(s) from whom they received or to whom they provided advice or discussed the following issues and use the corresponding coding categories between 1 and 6 from question 15,01. If none of the categories apply, choose code 7 and specify briefly.

Question 15,07: *What is this person's main occupation?* Ask from the respondent about the main occupation of the person(s) from whom they received or to whom they provided advice or discussed the following issues and use the corresponding coding categories between 1 and 6 from question 15,02. If none of the categories apply, choose code 7 and specify briefly.

Question 15,08: *Where does this person live?* Ask from the respondent about the location of the person(s) from whom they received or to whom they provided advice or discussed the following issues and write down the Aimag Name (a) and the Soum Name (b) with its specific code on the next column. If the person lives in abroad, write down 99 in Aimag and Soum column, should be looked up in Chapter 4 of this manual and written down after the interview.

Question 15,09: *How many times in the past 12 months did you talk about/discuss with others the following topics?* For each of the persons mentioned, write down how many times the head talked about/ discuss/ give advice with this other person about each of the following topics.

Subsection 15.2 Formal Networks

Question 15,10: *Do you know the name of your current bag governor?* Ask whether the respondent knows the name of the bag governor.

Question 15,11: *How well do you know your bag governor?* Read out the question and all answer options and write down the corresponding answer from the coding category (1) to (5).

Question 15,12: *Have you asked your bag governor for help in the last 12 months [since month/year]?* Ask whether the respondent asked help from bag governor in the last 12 months.

Question 15,13: *Do you know the name of your current soum governor?* Ask whether the respondent knows the name of the soum governor.

Question 15,14: *How well do you know your soum governor?* Read out the question and all answer options and write down the corresponding answer from the coding category (1) to (5).

Question 15,15: *Have you asked your soum governor for help in the last 12 months [since month/year]?* Ask whether the respondent asked help from soum governor in the last 12 months.

Question 15,16: *Is any person in this household currently a member of a herder council (malchin buleg)?* Ask the respondent if any person in this household is a member of a herder council.

Question 15,17: *Is any person in this household currently a member of the Bag or Soum Khural?* Ask the respondent if any person in this household is a member of the Bag or Soum Khural.

Question 15,18:ENUMERATOR: Write the ID code of the person who answered this section. This is a question for an enumerator. Please write down the ID code of the person who answered section 15.

XVI Subjective Indicators

SECTION 16: Subjective Indicators

In this section, we are going to ask how satisfied you are today with the following areas of your life. Please rate these areas on a scale from 0 to 10, where 0 indicates being completely dissatisfied and 10 means complete satisfaction.

Question 16,01: *Your own health.* Ask how satisfied the respondent is with his/her own health. Write down a scale measure of satisfaction between 0 and 10. If the respondent has any disabilities, write “99”.

Question 16,02: *Your dwelling.* Ask how satisfied the respondent is with the household’s dwelling. Write down a measure of satisfaction between 0 and 10.

Question 16,03: *Your family life.* Ask how satisfied the respondent is with his/her family life. Write down a measure of satisfaction between 0 and 10.

Question 16,04: *The economic situation of your household.* Ask how satisfied the respondent is with the household’s economic satisfaction. The economic situation covers e.g. income, assets the household has. Write down the measure of satisfaction between 0 and 10.

Question 16,05: *Your personal income.* Ask how satisfied the respondent is with his/her personal income. Write down a measure of satisfaction between 0 and 10.

Question 16,06: *Your Job (if employed).* This question applies only to respondents who are employed. Ask how satisfied the respondent is with his/her job. Write down a measure of satisfaction between 0 and 10. If the respondent is currently unemployed, write “99”.

Question 16,07: *Being herder (if respondent is a herder).* This question applies only to respondents who are a herder. Ask how satisfied the respondent is being a herder. Write down a measure of satisfaction between 0 and 10.

Question 16,08: *The quality of education at your children’s school.* This question applies only to households who have children currently in school. Ask how satisfied the respondent is with the quality of education of their children’s school. Write down a measure of satisfaction between 0 and 10. If the respondent doesn’t have any children in school, write 99.

Question 16,09: *Economic development in Mongolia.* Ask how satisfied the respondent is with the economic development in Mongolia. Write down a measure of satisfaction between 0 and 10.

Question 16,10: *The general situation of herders in Mongolia.* Ask how satisfied the respondent is with the general situation of herders in Mongolia. Write down a measure of satisfaction between 0 and 10.

Question 16,11: *The future of your children/of the young generation.* Ask how satisfied the respondent is with the future of his/her children or young generation. Write down a measure of satisfaction between 0 and 10.

Question 16,12: *All things considered, how satisfied are you with your life these days?* Ask how satisfied the respondent is with his/her life in general. Write down a measure of satisfaction between 0 and 10.

Question 16,13: *If you look back 12 months, how was the economic situation of your household 12 months ago compared to your economic situation today?* Ask the respondent about the household's economic situation 12 months ago compared to the household's current economic situation. The respondent is asked to provide an answer on a scale from much worse compared to today (5) to much better compared to today (1). Please assure the respondent that there is no "right" or "wrong" answer – we are just interested in his/her personal opinion.

Question 16,14: *How do you expect the economic situation of your household to be in 12 months from now compared to your economic situation today?* Ask the respondent about his/her expectations of the household's economic situation in 12 months from now compared to the household's current economic satisfaction.

Question 16,15: *How do you expect the economic situation of your household to be in 5 years from now compared to your economic situation today?* Ask the respondent about his/her expectations of the household's economic situation in 5 years from now compared to the household's current economic situation.

Question 16,16: *How much does your household's income fluctuate from year to year?* Ask the respondent whether the household's income fluctuates over time. Write down the corresponding answer based on the given scale.

Section 16: Subjective Indicators (continuation)

Question 16,17: *Concerning your household's housing, which of the following is true?* Read the question the household's housing conditions and all answer options. Write down a measure for adequacy between 1 for situation was more than adequate for the household's needs to 3 for the situation was less than adequate for the household's needs.

Question 16,18: *Concerning your household's clothing, which of the following is true?* Read the question regarding the household's clothing situation and all answer options. Write down a measure for adequacy between 1 for situation was more than adequate for the household's needs to 3 for the situation was less than adequate for the household's needs.

Question 16,19: *Concerning your children's schooling, which of the following is true?* This question applies to households with children currently in school. Read the question regarding the children's schooling situation and all answer options. Write down a measure for adequacy between 1 for situation was more than adequate for the household's needs to 3 for the situation was less than adequate for the household's needs. In case there is no child currently in school, write down code 99.

Question 16,20: *Concerning your household's food consumption last month, which of the following is true?* Read the question regarding the household's food situation last month and all answer options. Write down a measure for adequacy between 1 for situation was more than adequate for the household's needs to 3 for the situation was less than adequate for the household's needs.

Question 16,21: *Last month, did you or any household member go to sleep hungry because there was not enough food?* Ask whether any household member did go to bed hungry because there was not enough food.

Question 16,22: *How often did this happen last month?* Ask how often household members had to go to bed hungry because there was not enough food last month and choose the corresponding answer code.

Question 16,23: *Not enough food in the past 12 months.* For each of the mentioned situations, ask whether they occurred in the past 12 months.

Household's situation compared to other people

Question 16,24: *Step today.* Ask the respondent on which step he/she sees his/her household today compared to other people in this soum. Write down a measure between 0 for the lowest position (poorest) in this soum and 10 for the highest position (richest) in this soum.

Question 16,25: *Step 12 months ago.* Ask the respondent on which step he/she thinks his/her household stood 12 months ago compared to other people in this soum 12 months ago. Write down a measure between 0 for the lowest position in this soum and 10 for the highest position in this soum 12 months ago.

Question 16,26: *Step in 12 months from now.* Ask the respondent on which step he/she expects his/her household to be in 12 months from now compared to other people in this soum in 12 months from now. Write down a measure between 0 for the lowest position in this soum and 10 for the highest position in 12 months in this soum from now.

Question 16,27: *Step in 5 years from now.* Ask the respondent on which step he/she expects his/her household to be in 5 years from now compared to other people in this soum in 5 years from now. Write down a measure between 0 for the lowest position in this soum and 10 for the highest position in this soum in 5 years from now.

Question 16,28: *Step of most of your friends.* Ask the respondent on which step he/she pictures most of his/her friends today compared to other people in this soum today. Write down a measure between 0 for the lowest position in this soum and 10 for the highest position in this soum today.

Question 16,29: *ENUMERATOR:* Write the ID code of the person who answered this section. This is a question for an enumerator. Please write down the ID code of the person who answered section 16.

XVII Remittance Received

SECTION 17: Remittance Received

The household head or another senior person who is well-informed about the financial situation of the household should answer this section on remittances and/ or gifts received. This section does not include remittances that have to be repaid.

Question 17,01: *This is a filter question.* Ask whether any household member received any remittance/gifts from persons who are not members of the household or any household member who was away from the household in the last 12 months. If no, go to question 17,09.

Question 17,02: *Who received the gift?* Copy the ID code from the Household Roster of the person who received the remittance/gift. Use one line for each gift a person received. If several persons together or all household members together received a remittance/gift, write 99.

Question 17,03: *For what main purpose did the person receive the gift?* Ask for the main purpose of the gift and choose the answer code which fits the respondent's answer best. If several answers are given, ask for the main purpose for the household receiving remittances/gifts. If none of the categories from 1-9 apply, use code 10 and specify the reason briefly.

Question 17,04: *Who sent the gift?* Ask who gave the gift to the recipient and choose the answer code which fits the respondent's answer best. This person could be any person who lives in another

household or any household member who was away from the household at the time of the receipt of remittances. If the respondent names several senders, write down code 6 (=many different people). For example, if a household member married and received one wedding gift from 10 different persons, answer code 6 should be used.

Question 17,06: *What is the main occupation of the person who sent the gift?* Ask about the main occupation of the person who sent the gift and choose the corresponding category. If none of the categories apply, choose code 6 and specify briefly.

Question 17,07: *What is the value of the gift received?* Write down the value of the remittance/gift. Write down the number of animals received depending (by type of animal) in columns 1 to 5. For payments in cash and goods, write down the amount of cash (in Tugrug) in the column Q17,07b. In case goods were given, estimate the equivalent value in Tugrug.

Question 17,08: *How regularly was the gift received?* Ask how regularly this remittance/gift is received and choose the answer code which fits the respondent's answer best.

Question 17,09: *Baby born.* This is a control question: Ask whether any member of your household received any gift, like cash, livestock or other goods on the occasion of birth of a baby in the past 12 months. If so, go back to Question 17,01 and fill out Question 17,02-17,08 for this gift.

Question 17,10: *Wedding.* This is a control question: Ask if the household received any gift, like cash, livestock or other goods on the occasion of a wedding in the past 12 months. If so, go back to Question 17,01 and fill out Question 17,02-17,08 for this gift.

XVIII Remittance Sent

SECTION 18: Remittance Sent

The household head or another senior person who is well-informed about the financial situation of the household should answer this section on remittances and gifts sent by the household. This section does NOT include cash, livestock or goods that have to be repaid.

Question 18,01: *Remittances/gifts sent.* Filter Question. Ask whether any member of the household supported another person who lives in another household with any gifts, cash, livestock, food or other goods in the past 12 months. If no, go to question 18,08.

In this section, each row represents one remittance/gift sent by the household (Column 1: Remittances Sent Code). A separate row has to be filled in for every remittance sent by the household. For example, if the household sent 3 different gifts, 3 rows should be filled out (one for every gift).

Question 18,02: *Remittance Recipient.* Ask who received the gift and choose the answer code which fits the respondent's answer best. This person could be any person who lives in another household or any household member who was away from the household at the time of the receipt of remittances.

Question 18,03: *Purpose.* Ask for the main purpose of the gift and choose the answer code which fits the respondent's answer best. If several answers are given, ask for the main purpose for the household member sending remittances/gifts. If none of the categories 1-9 apply, use code 10 and specify the reason briefly.

Question 18,05: *What is the main occupation of the recipient?* Ask about the main occupation of the person who received the gift and choose the corresponding category. If none of the categories apply, choose code 6 and specify briefly.

Question 18,06: *What is the value of the gift?* Write down the value of the remittance/gift. Write down the number of animals sent (by type of animal) in columns (a) and (b). For payments in cash and goods, write down the amount of cash (in Tugrug) in column Q18,06b. In case goods were given, estimate the equivalent value in Tugrug.

Question 18,07: *How regularly was the gift given?* Ask how regularly this remittance/gift is given and choose the answer code which fits the respondent's answer best.

Question 18,08: *Baby born.* This is a control question: Ask whether any member of your household sent any gift, like cash, livestock or other goods on the occasion of birth of a baby in the past 12 months. If so, go back to Question 18,01 and fill out another row for this gift.

Question 18,09: *Wedding.* This is a control question: Ask if the household sent any gift, like cash, livestock or other goods on the occasion of a wedding in the past 12 months. If so, go back to Question 18,01 and fill out another row for this gift.

XIX Savings and Loans

SECTION 19: Savings and Loans

Question 19,01: *Does any member of your household have a savings account in a bank?* Ask whether any of the household members has a savings account in a bank. If no, go to question 19,03.

Question 19,02: *What is the total amount of money you have put in your savings account in the past 12 months [since month/year]?* Sum up the total amount of all savings accounts of all household members together. For example if the household head saved 100,000.00 Tugrug on bank account and the household's wife 200,000.00 Tugrug, write down the total sum of 300,000.00.

Question 19,03: *Did any member of your household take out a loan from a bank, a changer or a private person anytime in the past 12 months [since month/year]?* Ask whether any of the household members took out a loan anytime in the past that still has to be repaid. This does not necessarily be a loan from a bank. This is a filter question. If no, go to section 20.

Question 19,04: *In the past 12 months [since month/year], how many loans in total did all members of your household repay?* Ask for the number of loans that all household members together repaid in the past 12 months.

In this section, each row represents a loan (Column 1: Loan Code) which assigns a code to every loan that the household took out which still has to be repaid. Record the answers to Q5-Q12 for every loan using one row and thus one loan code for each loan.

Question 19,05: *Type of loan.* Ask for information about the kind of loan. In case the respondent's answer does not apply to any of the codes 1-9, write down code 10 and briefly specify.

Question 19,06: *Purpose of loan.* Ask about the reason why the money was borrowed. If the respondent names several purposes of the loan then list the most important one. If none of the categories 1-10 apply, use code 11 and briefly specify the most important purpose of the loan.

Question 19,07: *Who gave the loan?* Ask about the individual/institution who gave the loan. If none of the categories 1-7 apply, use code 8 and briefly specify the lender.

Question 19,08: *Date of loan.* Ask in which year the household or a household member took out the loan. Record the year as a four-digit number.

Question 19,09: *Total amount of loan when it was taken.* Ask for the total amount of the loan when it was taken.

Question 19,10: *How much did your household (or a household member) spend on repaying this loan last month?* Ask for the amount repaid by the household in the last month. Record the repayment sum in Tugrug and in heads of livestock. This includes also interest payments.

Question 19,11: *How much did your household (or a household member) spend on repaying this loan in the last 12 months?* Ask for the amount repaid by the household in the last 12 months and record the repayment sum of the past 12 months in Tugrug and in heads of livestock.

Question 19,12: *Is it possible to repay this loan in time?* Ask if the household expects that it is possible to pay this loan back in time.

XX Housing

SECTION 20: Housing

Question 20,01: *Did your household live in a ger at any time in the past 12 months?* This is a filter question: Move on to question 20,13 if this family has not lived in a ger at any time in the past 12 months.

Question 20,02: *How many gers has your household lived in during the past 12 months?* Write down the number of gers the household lived in the past 12 months.

Question 20,03: *ENUMERATOR: Is the household currently living in a ger?* This is a filter question: Move on to question 20,07 if this household is not currently living in a ger.

Question 20,04: *Do you have cellphone network coverage around this ger?* Write down how often the household has cellphone coverage around this ger where the interview takes place.

Question 20,06: *What is the main water supply in this ger?* Write down the main source of water used in this ger. If none of the categories 1-7 apply, use category 8 and specify briefly.

Question 20,07: *Does your household own or rent another ger for children of the household who attend school?* Write down whether the household owns or rents another ger for children of the household who attend school. Move on to question 20,09 if household owns ger or to question 20,10 if household rents ger

Question 20,08: *How much rent does your household pay in total for this ger per school year?* Write down the amount (in Tugrug) paid by the household per school year for this ger.

Question 20,09: *How many school children and other members of your household live in this ger during the school year?* Write down the number of the school children and other household members who live in this ger during the school year.

Question 20,10: *How many years has this ger been in use?* Write down how many years this ger has been in use. For example, the household bought this ger when it had been used by somebody else for 5 years and the household used it afterwards for another 5 years, the correct number of years is 10.

Question 20,11: *If this ger was sold today, how much would it be sold for?* Write down the amount the household would get if the ger was sold today. In case the household does not know the current market price, ask for an estimation.

Question 20,12: *In the past 12 months, how much did the household spent on repairs and replacements of the following items of the ger?* Write down the amount the household spent for the ger repair in the past 12 months.

Question 20,13: *Did your household live in a dwelling at any time in the past 12 months?* Ask whether the household lived in a dwelling (other than ger) anytime in the past 12 months. This is a filter question: move on to section 21 if this household has not lived.

Question 20,14: *How many dwelling has your household lived in during the last 12 months?* Write down the number of dwellings (other than ger) the household lived in a ger anytime in the past 12 months. Include dwellings set up for children who attend school.

Question 20,15: *ENUMERATOR: Is the household currently living in a dwelling?* Observe and write down whether the household is currently living in a dwelling. This is a filter question: Move on to question 20,19 if the household has not lived in a dwelling.

Question 20,16: *Do you have cellphone network coverage around this dwelling?* Write down how often the household has a cellphone coverage around this dwelling.

Question 20,18: *What is the main water supply in this dwelling?* Write down the main source of water used in this dwelling. If none of the categories 1-7 apply, use category 8 and specify briefly.

Question 20,19: *Does your household own or rent another dwelling for children of the household who attend school?* Write down whether the household owns or rents another dwelling (other than ger) for children of the household who attend school.

Question 20,20: *How much rent does your household pay in total for this dwelling per school year?* Write down the amount (in Tugrug) paid by the household per school year for this dwelling.

Question 20,21: *How many school children and other members of your household live in this dwelling during the school year?* Write down separately the number of school children and the number of other household members who live in this dwelling.

Question 20,22: *Type of dwelling.* Ask for the type of the dwelling and write down the corresponding category. If none of the categories 1-4 apply, use category 5 and specify briefly.

Question 20,23: *Square meters.* Write down the size of the dwelling in square meters.

Question 20,24: *Number of rooms.* Write down the number of the rooms in dwelling

Question 20,25: *Ownership of dwelling.* Ask whether the dwelling is owned or rented by the household and write down the corresponding category. If none of the categories 1-2 apply, use category 3 and specify briefly. This is a filter question, if the ownership of dwelling is household, go to question 20,27.

Question 20,26: *How much is the monthly rent?* Write down the amount for the monthly rent of this dwelling. Don't include additional costs like water, electricity and sewage.

Question 20,27: *If you wanted to rent this dwelling out to someone else, how much could you get for it per month?* Write down the monthly amount the household would get if this dwelling was rent out. In case the household does not know the current market rent, ask for an estimation.

Question 20,28: *If this dwelling was sold today, how much would it be sold for?* Write down the amount the household would get if this dwelling was sold. In case the household does not know the current market price, ask for estimation.

Question 20,29: *In the past 12 months, how much did the household spent in total on repairs and replacements for the dwelling?* Write down the total amount the household spent for the dwelling repair in the past 12 months.

XXI Energy

SECTION 21: Energy

Question 21,01: *What is the main source of heating used in this dwelling/ger?* Ask for the main source of heating the household uses and write down the corresponding category. If none of the categories 1-4 apply, use code 5 and specify briefly.

Question 21,02: *What is the main source of electricity used in this dwelling/ger?* Ask for the main source of heating the household uses and write down the corresponding category. If none of the categories 1-6 apply, if none, use code 7 and specify briefly.

Question 21,03: *Do you use electricity for lighting?* Write down if the household uses electricity for lighting.

Column 1: Provides the list of utility types.

Question 21,04: *Has the household used [...] in the past 12 months?* Ask separately for each different utility item whether the household used it in the past 12 months.

Question 21,05: *How do you mainly obtain [...]*? Ask how the household mainly obtains the type of utility and write down the corresponding category. This question does NOT apply to utility items which are greyish shaded in the next column.

Question 21,06: *Quantity consumed in the past 12 months.* Ask separately for each type of utility how much the household consumed in the past 12 months. Specify the unit (a) and record the quantity (b) separately for each different utility item. If the household did not consume a certain utility item, write 0 in column (b). This question does NOT apply to utility items which are greyish shaded in the next column.

Question 21,07: *Amount spent on [...] in past 12 months.* Write down how much the household spent for each type of utility in the past 12 months. If the utility is free of charge, write “0”.

Question 21,08: *Amount spent on [...] last month.* Write down how much the household spent for each type of utility in the last month. If the utility is free of charge, write “0”.

XXII Consumption

SECTION 22: Consumption

Subsection 22.1 Food consumption

Question 22,01: *Ask separately for each food item how much the household consumed last week.* If one food item was not consumed last week, write 0. The units of the food items change depending on the food type.

Subsection 22.2 Dietary Diversity

Question 22,02 – 22,15: *Copy the ID code of respondents from household roster.* Write down whether a respondent consumed each of these products during the last day and at night (in the last 24 hours).

Subsection 22.3 Non-food consumption

Question 22,16: *How much did the household spend in total in the past week on food consumption?* Ask how much the household spent on on food consumption in the past week and record the amount in Tugrug.

Question 22,17: *How much did the household spend in total in the past month on food consumption?* Ask how much the household spent on on food consumption in the past month and record the amount in Tugrug

Question 22,18: *How much did all members of your household spend on purchases of [...] during the past 12 months?* In this section, each row represents a non-food consumption good (see: Non-Food Code). Ask separately for every non-food item, how much the household paid for this item (in Tugrug) in the last 12 months. If one non-food item was not purchased last month, write 0.

XXIII Durables

SECTION 23: Durables

The household head or another senior person who is well-informed about the household should answer this section. In this section, each row represents a type of durables (Column 1: Durable Code).

Ask Q23,01 first for all items first. Then go through Q23,02-Q23,04 for every item owned.

Question 23,01: *Ownership of durables.* Write down for each durable item whether the household currently owns it.

Question 23,02: *Purchase last 12 months.* Write down for each durable item whether the household purchased it in the past 12 months.

Question 23,03: *Initial value of purchase.* For every durable item purchased in the past 12 months, write down how much the household paid for it (in Tugrug) per piece. If more than 1 piece of the item was purchased, report the average piece price.

Question 23,04: *Current value of durables.* For each durable item, write down how much (in Tugrug) the household would get if the durable item was sold today per piece. In case the household does not know the current market price, ask for an estimate.

XXIV Risk

SECTION 24: Risk

The household head should answer this section.

24.1 Willingness to take risk

Section 24 should be asked to the head of the household. If the head is not present, ask this section to the spouse of the head.

Question 24,01: *General willingness to take risk.* Ask the household head about his or her willingness to take risk on a scale from 0 to 10, following the exact wording on the questionnaire. Show him/her the image of the 10-point-scale reported on the questionnaire. Write down the number that the respondent indicates on the scale. NOTE: DO NOT GIVE ANY FURTHER EXPLANATION or EXAMPLES. If respondents ask you about the meaning of the question, only repeat that with “risk” you mean a situation that could sometimes lead to a good outcome (high payoff/gain) or a bad outcome (low payoff/loss).

Question 24,02: *Herders/ Non-Herders.* Filter question. Ask if the household is a herding or non-herding household.

Question 24,03: *Non-Herders.* Ask the household head about his or her willingness to take risk in these specific domains on a scale from 0 to 10. Show him/her the image of the 10-point-scale reported on the questionnaire. Write down the number that the respondent indicates on the scale. NOTE: DO NOT GIVE ANY FURTHER EXPLANATION or EXAMPLES. If respondents ask you about the meaning of the question, only repeat that with “risk” you mean a situation that could sometimes lead to a good outcome (high payoff/gain) or a bad outcome (low payoff/loss).

Question 24,04: *Herders.* Ask the household head about his or her willingness to take risk in these specific domains on a scale from 0 to 10. Show him/her the image of the 10-point-scale reported on the questionnaire. Write down the number that the respondent indicates on the scale. NOTE: DO NOT GIVE ANY FURTHER EXPLANATION or EXAMPLES. If respondents ask you about the meaning of the question, only repeat that with “risk” you mean a situation that could sometimes lead to a good outcome (high payoff/gain) or a bad outcome (low payoff/loss).

XXV Child anthropometry

SECTION 25: Child anthropometry

FOR ALL CHILDREN YOUNGER THAN 8 YEARS.

Question 25,01: *Child ID Code.* Copy the ID Code of the children under age 8 from the household roster.

Question 25,02: *Name.* Copy the full name of the children from the household roster.

Question 25,03: *Mother ID Code.* Copy the ID Code of the mother from the household roster. If the mother doesn't live in the same household write 99.

Question 25,04: *Father ID Code.* Copy the ID Code of the father from the household roster. If the father doesn't live in the same household write 99.

Question 25,05: *Date of birth.* Record the exact date of birth (day, month, year) of the child. Record day and month as two digit number. Fill in the last four digits for the year

Example: Suppose the child is born on April, 5 2007. Then you fill in the corresponding cells for day "05", for month "04" and for year, you fill in "2007".

Question 25,06: *Age of child.* Record the age of the child in completed years. Only count full years. For children less than three years, write the age in months.

Example: Suppose the child is 1 year and 5 months old. This is equivalent to 12 months + 5 months = 17 months. Then you fill in the corresponding cell Q25.06 "17" for 17 months.

Question 25,07: *Sex of child.* Ask the child's sex and write down the appropriate answer code.

Question 25,08: *Weight of child.* Weigh the child according to the procedure described in the section "Child Weight". Record the weight in kilogram including one decimal point.

Question 25,09: *Method used to measure height of child.* Record which of the two methods (child lying or child standing) you used to measure the child.

Question 25,10: *Height/Length of child.* Measure the child's height according to the appropriate procedure, depending on the age of the child. For children 0-23 months, measure the height with child lying. For children 24 months and older, measure the height with child standing. Both procedures are described in the sections "Height for children 24 months and older" and "Length for infants and children 0-23 months", respectively. Record the height in centimeters including one decimal point.

Question 25,11: *Left middle arm circumference.* Measure the child's left arm circumference according to the procedure described in the section "Child Mid-Upper Arm Circumference". Record the circumference in centimeters including one decimal point.

Question 25,12: *Results of taking measures.* Specify the overall result of the measuring procedure from Q25,08-Q25,11.

Question 25,13: *ENUMERATOR:* Check again in the household roster the number of children younger than 8 years. Make sure you took measures of all children in this section.

Section 25 Child anthropometry (continuation)

Column 1: *ID codes of all children under 8 years and.* Copy the ID codes of all children younger 8 years from the Household Roster into the first column.

Question 25,14: *Child living before October 2009.* Write down the aimag name (25,14a) and the soum name (25,14b) where the child lived in October 2009. In the evening, the enumerator should look up Chapter 4 of this manual and fill in the code of the soum and aimag.

Question 25,15: *Movement during dzud 2009/2010.* Write down if the child moved during the dzud of 2009/2010. If No (2) skip to the next child.

END OF QUESTIONNAIRE:

READ: I would like to thank you very much for participating in the survey. All information given will be kept confidential. We wish you the best for you and your family.

ENUMERATOR QUESTIONNAIRE PART II

Final Observations

After finishing the household questionnaire, please go back to the Enumerator Questionnaire and fill in the final section (question 29-37).

XXVII SOUM QUESTIONNAIRE

The Soum Questionnaire should be filled out by soum statisticians. It should only be filled out for those soums in which household interviews take place. It is the responsibility of the team supervisors to administer the Soum Questionnaire to the aimag statisticians, ensure that the Soum Questionnaire is completely and correctly filled out, and deliver the Soum Questionnaire to the data entry operator in the aimag. The Soum Questionnaire has to be filled in once per year in every sample soum. The Soum Questionnaire has to be filled in during the first two months of data collection in each round (in June/July 2012, in June/July 2013, and in June/July 2014).

Identification

This section is the most important one in the whole soum questionnaire: It records the name and contact information of the soum statistician and the bag governors. Remember that we interview each household 3 times in 3 following years. It will be a challenge for the enumerators and supervisors to find the households in the second and third wave of the survey. This may be particularly difficult for herding households, who may conduct nomadic movements or leave rural areas altogether and settle in soum or aimag centers. Therefore, the contact information of bag governors allow enumerators to get in touch with bag governors and ask for directions to find households in the second and third wave of the survey.

Question 1: *Enumeration Area (EA) Code.* Write down the appropriate answer code. The EA code is obtained from the list provided by the NSO.

Question 2: *Aimag name and aimag code.* The soum statistician should only fill in the name of the aimag in the answer cell. In the evening, the team supervisor should look up Chapter 4 of this manual and fill in the code of the aimag.

Question 3: *Soum name and soum code.* The soum statistician should only fill in the name of the soum in the answer cell. In the evening, the team supervisor should look up Chapter 4 of this manual and fill in the code of the soum.

Question 4: *Strata.* Write down the appropriate answer code.

Question 8: *Date of interview.* Write down the day, month, and year the Soum Questionnaire is filled in.

Project Team

Questions 9: *Supervisor name and ID.* Write down the full name and ID of the team supervisor. This should be done by the team supervisor himself/herself.

Question 10: *Enumerator name and ID.* Write down the full name and ID of the team enumerator. This should be done the team enumerator himself/herself.

Infrastructure

Question 36: *How long not passable.* Write down the total number of days the road was not passable due to snow or ice.

Question 37: *Public transport.* Indicate whether or not there are different types of public transport between the soum center and the aimag center (Q37a: bus; Q37b: Minibus; Q37c: Private cars).

Question 38: *Cellphone network.* This question refers to the overall availability/coverage of cellphone networks in this soum. If you are not entirely sure what the correct answer is, please do not leave this answer blank. Instead, please choose the answer that is closest to your estimate.

Question 39: *Cellphone operators.* Write down for each cellphone operator whether it is available (1) or not (2).

Question 40: *Facilities available in soum.* Write down whether or not each of the types of facilities listed in the question is available in this soum.

New facilities

Question 41: *New facilities.* Please write down if there were any new facilities constructed or existing facilities improved since 2009. Fill in the facilities name (a), write down in (b) the code using the code provided in question 40 and fill in the year the facility was introduced.

Question 42: *Hours of electricity per day.* Write down how many hours of electricity this soum receives on an average day. Please provide an estimate even if you are not entirely sure.

Question 43: *Non-Governmental Organization active.* Indicate whether or not one or more Non-Governmental Organizations are currently active in this soum.

Question 44: *Names of Non-Governmental Organizations.* Fill in the names of the NGOs which are active in this soum.

Question 45: *Number of International Organizations.* Write down the number of International Organizations that are currently active in this soum.

Question 46: *Names of International Organizations.* Fill in the names of the IOs which are active in this soum.

Question 47: *Source of water for herders.* Indicate what the principal source of water for herders in this soum. List the most important source of water only.

Question 48: *Conflicts over water.* Indicate how often conflicts over water occur in this soum.

Question 49: *Conflicts over pasture.* Indicate how often conflicts over pastures occur in this soum. This may also include conflicts between herders and mining companies or ninjas.

Economic activities

Question 50: *Most important business sector.* The soum statistician should describe the most important (in terms of economic revenues generated in this sector) business sector briefly in sub-question 50a in his/her own words. After the interview, the team supervisor should look up the business code (in 4 digits) in Chapter 4 of this manual and write it down in column 50b.

Question 51: *Second most important business sector.* The soum statistician should describe the second most important (in terms of economic revenues generated in this sector) business briefly in sub-

question 51a in his/her own words. After the interview, the team supervisor should look up the business code (in 4 digits) in Chapter 4 of this manual and write it down in column 51b.

Question 52: *Third most important business sector.* The soum statistician should describe the third most important (in terms of economic revenues generated in this sector) business briefly in sub-question 52a in his/her own words. After the interview, the team supervisor should look up the business code (in 4 digits) in Chapter 4 of this manual and write it down in column 52b.

Employment sectors

In this section, each row represents a separate employment sector (Column 1: Employment Code).

Question 53: *Number of persons employed in each sector.* Write down the number of persons in this soum who are employed in each of the 15 Employment Sectors. If there is any other Employment sector in which people in this soum work, please use the “Other” answer code (16) and describe this sector. If you are uncertain about the exact number, please provide an estimate.

Herding

Question 54: *Agricultural stock market.* Indicate whether there is an agricultural stock market in this soum.

Question 55: *Selling in the agricultural stock market.* Write down the percentage of herders in this soum selling their livestock products in the agricultural stock market.

Question 56: *Price in the agricultural stock market.* Write down for each product the price in the agricultural stock market.

Question 57: *Quality in this soum.* Write down how you would judge based on your personal opinion the listed issues on a scale from very good (1) to very poor (5).

Question 58: *Problems.* Please write down, based on your personal judgment how pressing the listed problems are in your soum. Use the given scale from very pressing (1) to not pressing at all (5).

Question 59: *Prepared for the next winter.* Write down how well the herders are prepared for the next winter, based on your personal opinion.

Question 60: *Types of livestock.* Indicate for each type whether the households have them in this soum.

Question 61: *Common types of livestock.* Fill how common the types of livestock are, starting from the most common.

Question 62: *Herder groups or cooperatives.* Indicate whether in this soum have ever been herder groups or cooperatives active in the past.

Question 63: *Year of first herder groups or cooperatives.* Write down the year when the first herder groups or cooperatives were active in this soum.

Question 64: *Percentage of members.* Write down what percentage of herders are members of any herder group or cooperative.

Question 65: *Government winter preparation.* Write down the percentage of how many herders were involved in winter preparation activities organized by the government in the past winters. Fill in for each winter, if there were no winter preparation activity by government write 0.

Question 66: *Winter preparation by IOs/NGOs.* Write down the percentage of how many herders were involved in winter preparation activities organized by International Organizations or Non-governmental Organizations in the past winters. Fill in for each winter, if there were no winter preparation activity by IOs/NGOs write 0.

Index based livestock insurance

Question 67: *Index-based Livestock insurance available.* Indicate whether or not index-based livestock insurance is available to herders in this soum. Please note that this question refers to one specific insurance product (and not livestock insurance in general).

Question 68: *Agencies offering Index-based Livestock insurance.* Write down the agencies or companies offering index-based livestock insurance in this soum. If there are more than three agencies or companies, only list the name of three of them.

Question 69: *Amount of agents selling index-based livestock insurance in this soum.* Write down the number of agents, who sell index-based livestock insurance.

Question 70: *Marketing campaign in spring 2014 for index-based livestock insurance.* Ask whether insurance agents visit herders in their campsite as part of a marketing campaign for index-based livestock insurance in spring 2014.

Question 71: *Costs of insuring.* Indicate how much it costs to insure one animal in 2014 in this soum of the following 5 livestock types: Horse, cattle, camel, sheep, goat.

Question 72: *Number of households bought livestock insurance in spring 2014.* Write down the number of households bought index-based livestock insurance in spring 2014.

Question 73: *Household received payouts.* Ask whether the households in this soum received payouts in mentioned years. Record 1(=Yes); if households didn't receive any payouts write 2 (=No) or if no insurance was available in the soum in the particular year write 3 (= no insurance).

Dzud

Question 74: *Dzud warning system in place.* Indicate whether there is an early warning system in place in this soum that warns herders of a dzud. If the answer is no, go on with Q78.

Question 75: *Means of communication on dzud warnings.* Indicate which means of communication is most important in this soum to inform herders about the dzud warning.

Question 76: *Dzud warning in winter 2013/2014.* Indicate if there was any dzud warning issued to herders in this soum in winter 2013/2014.

Question 77: *Dzud warning in winter 2014/2015.* Indicate if there was any dzud warning issued to herders in this soum in 2010. Only fill in this question if the interview takes place in 2015. If the interview is conducted in 2014, leave this answer cell blank.

Question 78: *Three most severe dzuds experienced.* Write down the year of the three most severe dzuds experienced. Write down the year as 4-digit number.

Otor contracts

Question 79: *Otor contract for herders of this soum during winter 2013/2014.* Indicate whether the governor of this soum signed otor contracts with one or several other soums so that herders of this soum were able to go on otor to other soums during the winter 2013/2014.

Question 80: *Otor contract for herders of other soums in 2013/2014.* Indicate whether the governor of this soum signed otor contracts with one or several other soums so that herders of other soums were able to go on otor to this soums during the winter 2013/2014.

Question 81: *Otor contract for herders of this soum in 2014/2015.* Indicate whether the governor of this soum signed otor contracts with one or several other soums so that herders of this soum are able to go on otor to other soums during the winter 2014/2015. If such contract will be signed later on in 2014, use answer code 3.

Question 82: *Otor contract for herders of other soums in 2014/2015.* Indicate whether the governor of this soum signed otor contracts with one or several other soums so that herders of other soums are able to go on otor to this soums during the winter 2014/2015. If such contract will be signed later on in 2014, use answer code 3.

Question 83: *Reserving pasture for herders of this soum in last 12 months.* Indicate whether the soum administration set aside reserve pasture (Nuutsiin belcher) for herders in this soum in the last 12 months.

Question 84: *Reserving pasture for herders of this soum at any time in the past.* Indicate whether the soum administration set aside reserve pasture (Nuutsiin belcher) for herders in this soum in the any time in the past.

Farming

Question 85: *Crop types.* Indicate if people in this soum grow each of the 17 crop types list.

Question 86: *Most important crop types.* Indicate which of the 17 crop types is the most, second, and third most important (that is, the most prevalent) in this soum.

Negative events

Question 87: *Negative events since 2011.* In this section, each row represents a separate item type (Column 1: Item Code). Indicate what negative events occurred in this soum since 2011.

Question 1a: *Percentage of households affected.* Write down the percentage of households affected by the particular negative events in 2011. In case no household was effected by the shock, write 0 in column and pass to the following line.

Question 1b: *Month negative event started.* Write down the number of the month the particular negative event started. For example, if it started in november, write 11.

Question 1c: *Month negative event ended.* Write down the number of the month the particular negative event ended. For example, if it ended in march, write 3.

Question 1d-I: *Record the same information from Q1a to Q1c for all years (2012,2013,2014).* Please write down the information for all years and don't leave answer cells blank.

XXVIII SOUM PRICE QUESTIONNAIRE

Enumerators have to collect price data using the Soum Price Questionnaire. The price data have to be collected in aimag centers and soum centers (not in rural areas). The Soum Price Questionnaire has to be filled out for every month in which household interviews takes place in a given soum. The Soum Price Questionnaire has to be collected during the first week of each month.

For each Soum Price Questionnaire form, price data from two different shops in the same aimag center or soum center have to be filled in. This is because the price of some items may differ across shops.

Enumerators have to make sure that price information is collected for the exact items listed in the Soum Price Questionnaire form. For example, for the food item *Flour, 1st grade* the price of 1 kg of unpacked flour of the brand "Altan taria" should be collected. If some items are not available in the shops chosen by the enumerators, then the enumerators have to obtain those prices from a third or fourth shop. The Soum Price Questionnaire has to be filled in completely, with price data to be collected for every single item. Missing price data for single items are not acceptable.

Identification

Question 1: *Aimag name and aimag code.* During the interview only the name of the aimag should be written in the answer cells. In the evening, the enumerator should look up Chapter 4 of this manual and fill in the code of the aimag.

Question 2: *Strata.* Write down the appropriate answer code.

Question 3: *Soum name and soum code.* During the interview only the name of the soum should be written in the answer cells. In the evening, the enumerator should look up Chapter 4 of this manual and fill in the code of the soum.

Question 4: *Date of interview.* Write down the day, month, and year the Soum Price Questionnaire is filled in.

Question 5: *Strata.* Write down the name of the first and second shop from which the price data are collected.

Question 6: *Enumerator name and ID.* Write down the full name and ID of the enumerator.

Question 7: *Supervisor name and ID.* Write down the full name and ID of the team supervisor.

Question 8 : *First data entry operator name and ID.* Write down the full name and ID of the first data entry operator.

Question 9 : *Second data entry operator name and ID.* Write down the full name and ID of the second data entry operator.

Price data

In this section, each row represents a separate item type (Column 1: Item Code). Column 2 defines the unit of measurement.

Question 10: *Price in first shop.* Write down the price of each item as listed in Column 1 and 2 (exactly the same brand and unit of measurement). It is not allowed to leave answer cells blank.

Question 11: *Price in second shop.* Write down the price of each item as listed in Column 1 and 2 (exactly the same brand and unit of measurement). It is not allowed to leave answer cells blank.

Question 12: *Market price.* Write down the price of each item as listed in Column 1 and 2 (exactly the same brand and unit of measurement). It is not allowed to leave answer cells blank.