

GENERAL HOUSEHOLD QUESTIONNAIRE

The following has to be filled out before the interview:

Serial No _____ Date _____ Interviewer _____

District _____ Village _____

Beginning time: _____ End time _____

Introduction:

Good morning/afternoon. My name is ----- sent by ProBEC. We are carrying out a study in this area on the cooking habits and different types of stoves used by households in the kitchen. We talked to the village chief and he authorized us to see the Families in the village to help us with the questions we have on the cooking practices. All the information given will be treated with confidentiality and be used for the purposes of the study only. Thank you very much for welcoming us!

SECTION A: Personal Information

1. Who is the head of the household?

- Husband ① Self ② Grandparent ③ Sister/Brother ④
 Other ⑤ (specify) _____

2. What is the occupation of the head of household?

- Farming ① Salaried/Employed ②
 Businessman /self employed ③ Part time employed ④
 Others ⑤ (specify) _____

3. What is the highest level of education of the head of household?

(Which certificate of education does she/he hold?)

- None ① Can read & write (3 years of primary and above) ②
 Primary ③ Secondary ④ College ⑤ University ⑥
 -Technical ⑦ Others ⑧ (specify) _____

4. What is your age? (approximately) _____

Sex of interviewee: Female Male

5. What is your highest level of education?

(Which certificate of education do you hold?)

- None ① Can read & write (3 years of primary and above) ②
 Primary ③ Secondary ④ College ⑤ University ⑥
 -Technical ⑦ Others ⑧ (specify) _____

6. How many people regularly live and eat in the household? Specify numbers. (*Define household to include all the people who take meals regularly from the same pot*)

- Older people (>64 years) _____

- Adults (>16 years) _____

- Children (<15 years) _____

Total number of household members _____

Kommentar [BM1]: In Ausnahmefällen sind auch mal Männer die Verantwortlichen für's Kochen.

SECTION B: Stove information

Answers to questions 7 to 10 to be filled in the table below.

- 7. What stoves are present in the household? (*question and own observation*)
- 8. For how long have you had these stoves? (*in months or in years for each stove*)
- 9. What stove do you use everyday for cooking?

	7. Stoves present (number of stove)	8. Age of stove (several options per stove type in case several are used) -in years				9. Stove used daily: cooking
Traditional firewood stoves						
Three stone fire						
Improved firewood stoves						
Chitetezo portable						
Fixed mud with ceramic liner						
Fixed mud without liner						
Improved charcoal stove						
Kenyan ceramic Jiko						
Other						
(specify)						

10. Condition of the improved stoves present (*own observation; several answers possible*):

- Chitetezo portable:**
- Good condition ①
 - Cracks on the body ②
 - Broken door/combustion chamber ③
 - Broken pot-rest ④
 - No pot-rests ⑤

- Fixed mud with ceramic liner:**
- Good condition ①
 - Cracks on the body ②
 - Broken door/combustion chamber ③
 - Broken pot-rest ④
 - No pot-rests ⑤
 - Cracks on the liner ⑥
 - Broken liner ⑦

11. Do you use a fireless cooker? Yes ① No ②

12. For all households where there is a 3 stone fireplace, ask the following questions:

- A) Do you use this fireplace: Every day ① Often ②
 Sometimes ③ For special occasion ④ Never ⑤
- B) For what purpose do you use the 3 stone fire? (*several answers possible*)
 Cooking food ① Boiling water ② Space heating ③
 Making local brew ④ Other ⑤ (specify) _____

Kommentar [BM2]: In Malawi gab es Haushalte die mehr als einen verbesserten Herd vom gleichen Modell nutzen. Das ist in der Tabelle oben berücksichtigt, in Frage 10 wird es bis jetzt aber nicht berücksichtigt. Dementsprechend gab es später Schwierigkeiten, die Conditions einem Alter zuzuordnen. Am besten wäre es, diese Antwortenliste zur stove observation dreimal aufzuführen. Beim ausfüllen sollten die Herde dann in der die gleichen Reihenfolge begutachtet werden, wie sie oben in der Liste aufgeführt werden, damit das Alter dem Zustand zugeordnet werden kann.

13. For all households where there is **no improved firewood stove** in the household, ask the questions:

- A) Do you know improved firewood stoves? Yes ① No ②
- B) If yes, which type of stoves do you know?
 (Please show pictures of the following models): Chitetezo portable ①
 Fixed mud with ceramic liner ② Fixed mud without liner ③
 Others ④ (specify) _____
- C) Did you use an improved stove in the past? Yes ① No ②
 If yes, which one? Chitetezo portable ①
 Fixed mud with ceramic liner ② Fixed mud without liner ③
 Others ④ (specify) _____
- D) Why don't you use an improved stove? No interest ① No money ②
 It's not durable ③ Don't know where to find ④
 Don't use firewood ⑤ Other ⑥ (specify) _____

SECTION C: Cooking information

14. A) Do you cook: inside the house ① inside a separate kitchen ②
 outside ③
- B) If cooking is done inside (the house or in a separate kitchen), is it:
 Throughout the year ① Only during the rainy season ②
15. Do you cook your meals on one stove (*one dish after the other*) or on two stoves at the same time? One stove ① or two stoves ②
 Alternating one or two stoves ③
 On more than two stoves at the same time ④ (specify the number) _____
16. How many times do you cook food for your family per day? (*morning, noon, evening*)?
 Morning Noon Evening More (specify) _____
17. A) *Own observation on cooking practices: if the woman is found cooking, does she cook on:*
 Three stone fire Chitetezo Mbaula Other (specify) _____
 - use dry firewood? Yes ① No ②
 - use few sticks? Yes ① No ②
 - use split firewood/small sticks? Yes ① No ②
 - use a lid on the pot? Yes ① No ②
- B) *Observe also, whether there is smoke in the kitchen* Yes ① No ②
18. *Own observation in the kitchen:*
 A) Construction of the roof:
 Single-pitch roof ① Saddle roof (gable) ② Conical ③
- B) Ventilation: openings are positioned:
 ... up to standing height ① ... above standing height ②
 ... below and above standing height ③ No openings ④
- C) Soot on the walls:
 None ① Within standing height ② Above standing height ③
 Within and above standing height ④ _____

Kommentar [BM3]: Saison beachten! In Trockenzeit muss sich die Frage auf "cooking outside" beziehen. Frage vielleicht allgemein formulieren, damit sowohl beim kochen drinnen, als auch draußen eine Saisonabhängigkeit geprüft wird.

Kommentar [BM4]: Diese Beobachtungen waren Interessant für Malawi, sind aber nicht unbedingt relevant für die Bestimmung der Impacts.

SECTION D: Fuelwood information

19. What fuels do you use to cook? (*several answers possible*)
- Firewood ① Maize cobs ② Maize/sorghum/cassava stalks ③
- Twigs ④ Sawdust ⑤ Charcoal ⑥
- Pigeon pee stalks ⑦ Bamboo ⑧ Other ⑨ (spec.) _____

Kommentar [BM5]: Meistens haben die Befragten nicht zwischen Firewood und Twigs unterschieden und allgemein von Firewood gesprochen. Es war deshalb schwierig die Nutzung von Twigs auszuwerten. Ich würde Firewood/Twigs in einer Kategorie zusammenfassen.

20. A) What is the primary fuel used for cooking? (1 – 9) ____
 B) What is the second important fuel used? (1 – 9) ____
 C) What is the third important fuel used? (1 – 9) ____

21. If **firewood** is used, do you split firewood for cooking? Yes ① No ②

Kommentar [BM6]: Diese Frage haben wir ergänzt, um Auskunft über alle HH zu bekommen, da in Frage 17 nur die HH berücksichtigt werden, die beim kochen vorgefunden werden. Die Frage hat sich aber nicht als sinnvoll erwiesen. Alle HH haben hier ja geantwortet. Die Beobachtungen dagegen teilweise gegenteiliges gezeigt.

22. If **firewood** is used, is it:
 Collected ① Bought ② Both (collected and bought) ③

23. If firewood is **collected**:
- A) Where does it come from? (*several answers possible*)
- Own farm ① Open land ② Public forest/bush ③
- Private woodlot ⑥ Others ⑤ (specify) _____

- B) Who collects the firewood? (*several answers possible*)
- Women: Always ① Sometimes ② Never ③
- Girls: Always ① Sometimes ② Never ③
- Boys: Always ① Sometimes ② Never ③
- Men: Always ① Sometimes ② Never ③
- Others (specify) _____

- C) How often do you collect it? Every day ___times per week ___times per month
- Other (specify) _____

D) When do you usually leave the house for firewood collection? _____

E) When do you usually come back? _____

F) (*Fill in the time used for collection: _____ hours*)

Alternatively ask for the time spent in average on firewood collection (per day, per week or per month)

24. If the firewood is **bought** how much money do you spend:
 per day: _____ or per week: _____ or per month: _____

25. If you **collect and buy** firewood, how much is bought and how much is collected?
 Half / half ① more firewood collected ② more firewood bought ③

For those households without an improved firewood stove the questionnaire ends here

As you are coming now to an end, please ask the Mama, whether she would like to add anything to this interview:

.....
!!! Zikomo Kwambiri !!!

Please continue for those households with an improved firewood stove with the following questions:

SECTION E: Improved firewood stoves (referring to Chitetezo Mbaula ① or fixed mud with ceramic liner ②)

26. Do you use this stove: Every day ① Often ②
 Sometimes ③ For special occasion ④ Never ⑤
27. For what purpose do you use the stove? (*several answers possible*) Cooking food ①
 Boiling water ② Space heating ③
 Making local brew ④ Other ⑤ (specify) _____
28. How was it in the past, when a 3 stone fire was used:
- A) Was there any difference in the amount of firewood used? Yes ① No ②
 If yes, did your household use more firewood ① or less ② firewood?
- B) How many times did you go for firewood collection per week, when you were cooking on the 3 stones? ___times
- C) How much money did you spend for firewood, when you were cooking on the 3 stones?
 Per day: _____ or per week: _____ or per month: _____
- D) Did the price per unit of firewood change since the time you mainly used the fireplace?
 Yes ① No ②
 If yes, how did it change? Firewood was... less expensive ① more expensive ②
29. A) Did you ever replace one of the improved firewood stoves? Yes ① No ②
 B) If yes, which stove has been replaced?
 Chitetezo portable ① Fixed mud with ceramic liner ②
 C) Why did you replace it? Damages ① Stove got stolen ②
 Other ③ (specify) _____
 D) Did you replace it with the same model? Yes ① No ②
30. Please estimate the lifespan of your stove (or if replaced, how long has the last stove been in use?): ___ years
31. What do you see as an advantage of the improved firewood stove? (*several answers possible*)
 Fuel saving ① Cooks fast ② Reduced smoke ③
 Saves money ④ Clean kitchen ⑤ Less burns, accidents ⑥
 Less respiratory diseases ⑦ Less eye diseases ⑧ more comfort ⑨
 Better taste of food ⑩ Other (11) (specify) _____
32. What is the most important advantage for you? (1-11) _____
33. If one answer of question 32 is „cooks fast“: Can you please give an example?

Kommentar [BM7]: Ich würde noch "portability" als Antwortmöglichkeit ergänzen. (Wurde mehrfach unter others genannt)

Kommentar [BM8]: Wir wollten "fast cooking" genauer beleuchten. Für die Auswertung hat mir das nicht viel gebracht. Könnte wieder rausgenommen werden.

34. Did you recognise any changes in health, eg. cough or eye diseases?

Yes① No②

If yes, what changed? Concerning...

- respiratory diseases: Less problems ① More problems ② No change ③

- eye diseases: Less problems ① More problems ② No change ③

35. If “fuel saving”, “cooks fast” and/or “saves money” have been mentioned among the answers given above, please ask:

A) What do you do with the time saved (through fuel saving or faster cooking)? _____

B) What do you do with the money saved (through fuel saving)? _____

Kommentar [BM9]: Folgende Kategorien könnten hier schon vorgegeben werden, um das Mitschreiben zu erleichtern: Doing Households Chores, Farming/gardenimng, Resting, Others (specify) _____

36. Does the improved firewood stove have any disadvantages for you? Yes① No②

If yes, which ones? (*several answers possible*)

Not possible to sit around the fire ① Not possible to roast maize / meat ②

Takes more time to cook ③ Can't cook on big pots ④

Needs maintenance/not durable ⑤ Can't cook certain meals ⑥

Can't use wet wood ⑦ Other ⑧ (specify) _____

37. What is the biggest disadvantage for you? (1-8) _____

38. How much did you pay for your improved stove? _____ MK / Payment in kind

Self-made Gift/ for free

If “*payment in kind*”, please specify: _____

If “*self made*”: are you a member of the producer group? Yes No

39. How did you know about the improved stoves? (*several answers possible*)

Radio ① TV ② calendar ③ brochure, leaflet, newspapers ④

Neighbours, family, friends ⑤ public meeting, field days ⑥ NGOs ⑦

Producers ⑧ Local leader ⑨

Others ⑩ (specify) _____

40. Please ask the interviewee to show you their stock of firewood and observe:

Firewood is dried ① Firewood is split/small sticks ②

Firewood is dried and split/small sticks ③ No stock of firewood ④

41. As you are coming now to an end, please ask the Mama, whether she would like to add anything to this interview:

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Zikomo Kwambiri