

APPENDICES

APPENDIX 1: Questionnaire for Rice Farmers

Sample of the Structured questionnaires with some open-ended

Name of Respondent: _____

Phone Number: _____

District: _____

Village: _____

HOUSEHOLD DEMOGRAPHICS

1) Age _____

2) Gender

Male

Female

3) Marital Status

Single

Separated

Married

Widow(er)

Divorced

4) What is your level of education?

None

Secondary School

Primary School

College /University Degree

Informal Education (self-taught, family-taught, or community-taught)

5) For how many years did you go to School? _____

6) State the number of people living in your household _____

7) How many years of farming experience do you have? _____

8) Do you own livestock?

- Yes No

9) What is your total land size in hectares? _____

10) Land size under cultivation? _____

11) Land ownership

- Gift Tenure System Freehold Tenure System
 Inheritance Tenure System Communal Land Tenure System
 Leasehold Tenure System Rent Tenure System
 Tenants at Government Will

RICE PRODUCTION & PROCESSING

**Tick more than one option where applicable.*

12) What rice variety do you grow?

- African rice (*Oryza glaberrima*) Asian rice (*Oryza sativa*)
 Other (specify) _____ I do not know

13) What rice production system do you use on your farm (specific locations)?

- Flooded Fadamas (inland valleys) Basin irrigation system
 Paddy rice Rainfed lowland
 Rainfed upland rice Rainfed/irrigation
 Irrigation

14) How do you harvest your rice?

- Hand Machinery
 Other (specify) _____

15) Do you process (clean) your rice?

- Yes No

a. If yes, please specify how

b. If not, where do you take it for processing?

16) What do you do with the rice straw?

- Fire for cooking Burn on the field
 Heating Fuel briquettes/pellets production
 Livestock feed Livestock bedding
 Sell Retain on field
 Plough back Soil mulch
 Throw away Other (specify) _____

17) What do you do with the rice husks?

- Fire for cooking Burn on the field
 Heating Fuel briquettes/pellets production
 Livestock feed Livestock bedding
 Sell Retain on field
 Plough back Soil mulch
 Throw away Other (specify) _____

18) Do you know you can use rice straw as a cooking energy source?

- Yes No

19) Do you know you can use rice husks as a cooking energy source?

Yes

No

20) Do you know that you can use rice straw for heating homes?

Yes

No

21) Do you know that you can use rice husks for heating homes?

Yes

No

22) Would you be willing to use it as an energy substitute?

Not Willing

Somewhat Not Willing

Undecided

Somewhat Willing

Willing

23) What are your main sources of energy for cooking and heating?

**Tick more than one option where applicable.*

**C = Cooking; H = Heating*

Energy Sources	Usage	
	YES	
	C	H
Firewood		
Charcoal		
Rice Husks		
Rice Straw		
Paraffin Stoves		
Cooking Gel (Gel Stove)		
LPG Gas		
Electricity		
Biogas		
Other (specify)		

23) What are some barriers to not using rice straws for energy purposes?

- Lack of knowledge Lack of technology for further processing
 Insufficient quantities Other (specify)_____

24) What are some of the barriers to not using rice husks for energy purposes?

- Lack of knowledge Lack of technology for further processing
 Insufficient quantities Other (specify) _____

25) Do you lack energy for cooking?

- Yes No

26) Do you lack energy for heating?

- Yes No

27) If you use firewood to balance this energy deficit, where do you get it from

(if not, answer 'n/a')?

APPENDIX 2: Questionnaire for Rice Processors

FOR PROCESSORS ONLY!!!

Name of Respondent: _____

Name of Processing Facility _____

Phone Number _____

District: _____

Village: _____

DEMOGRAPHICS

1) Age _____

2) Gender

Male

Female

3) Marital Status

Single

Separated

Married

Widow(er)

Divorced

4) What is the level of your education?

None

Secondary School

Primary School

College/University Degree

Informal Education (self-taught, family-taught, or community-taught)

5) For how many years did you go to School? _____

6) What is your position at the processing plant? _____

7) How many years of processing-work experience do you have? _____

8) From where do you get the unprocessed rice grains? _____

9) What variety do you process?

- African rice (*Oryza glaberrima*) Asian rice (*Oryza sativa*)
- Other (specify) _____ I do not know

10) What are the approximate ratios of the rice varieties that you process?

11) What is the price of processing a 50 kg bag of rice? _____

12) How many kgs of polished rice do you obtain from processing a 50 kg bag? _____

13) What are some of the by-products obtained from rice processing? _____

14) How do you handle the specific by-products after rice processing? (Tick all applicable)

By-product	Sell	Throw Away	Burn Only	Burn/Use for Energy	Other (Specify)
Rice husks					

15) What is/are the main source(s) of energy used in your processing facility?

APPENDIX 3: THESIS FINANCIAL SUPPORT AND EXPENDITURES

FACULTY THESIS GRANT	15,000.00 CZK
SUPERVISOR'S THESIS GRANT	5,000.00 CZK
TOTAL	20,000.00 CZK
	EXPENDITURE
ITEM 1: FLIGHT TO NIGERIA/RETURN TICKET FROM NIGERIA	18,398.72 CZK
ITEM 2: LOCAL TRANSPORTATION/FLIGHT ACROSS SURVEY AREAS	6,428.00 CZK
ITEM 3: PRINTING OF QUESTIONNAIRES FOR RICE FARMERS AND PROCESSOR (6PAGES x 250 COPIES)	2,680.00 CZK
ITEM 4: A TOKEN AS AN IN-KIND GIFT TO THE FARMERS AND PROCESSOR (200 FILLED QUESTIONNAIRES)	3,000.00 CZK
ITEM 5: INSURANCE	2,660.00 CZK
ITEM 6: MENCILLENIOUS	2,000.00 CZK
TOTAL EXPENDITURE	35,166.72 CZK

APPENDIX 4: The Team Working on Improving the Thesis



APPENDIX 5: The Team Finalising the Thesis for Submission

