Bangladesh Survey Questionnaire 2017 (Version-1)

Identification

Enumerator: The following basic information about the respondent (PQ.1-PQ.7) will automatically appear. These information came from the survey last 2014.

PQ.1 Enumerator ID- Please select

PQ.2 Division- Please select

PQ.3 District- Please select

PQ.4 Thana- Please select

PQ.5 Village- Please select

PQ.6 Household ID from the 100 household name list-

PQ.7 Name of the Farmer as given in the farmer list?

Q.1 Name of the respondent:

Thank you for the opportunity to speak with you. We are a research team from International Rice Research Institute (IRRI). We are conducting a survey to learn about agriculture of households in this area. Your household has been selected at random to participate in an interview that includes questions on topics about your agricultural production. This interview will take approximately 45 minutes and your participation is voluntary. Your answers will be confidential. Do you have any questions about the survey or what I have said?

Q.1 Did your household plant rice in the last 12 months – O Yes (1) O No (2)

Q.2 What is your relationship with the head of household? Please select

Q.3 Sex of respondent: O Male (1) O Female (2)

Q.4 What is your age?

Q.5 Level of Education? Please select

Q.6 Marriage status? Please select

Q.7 Husband status? Please select

Q.8 Distance from of the house to the nearest input market (km):

Q.9 Distance from of the house to the nearest output market (km):

Have you completed this page? Click close at the right-bottom corner of this page to get out of the page.

GPS:

GPS

Enumerator: The GPS data from 2014 survey (PQ.1-PQ.3) will automatically appear. Get the new GPS data of those respondents with incorrect GPS data in 2014 which will be determined before the survey.

ID	PQ.1 Latitude_2014 (north-south)	PQ.2 Longitude_2014 (east-west)	PQ.3 Accuracy_2014 (should be less than 8)	Q.1 Latitude (north-south)	Q.2 Longitude (east-west)	Q.3 Accuracy (should be less than 8)
1						
2						

Household

Begin the interview.

Q.1 Interview Starting Time - [ ] Get time

Q.2 **Do you agree to have this interview**? O Yes (1) O No (2)
End the interview if the respondent does not agree with have the interview.

Q.3 Religion- [Please select]

Q.4 How many adults (19 years old and above) does your household have? [ ]

Q.5 9 How many children (18 years old and below) does your household have? [ ]

Q. 6 Please provide us a contact number (mobile phone) [ ]

D. Production:

Production

1. A plot is defined as a continuous piece of land with (semi-) fixed boundary under the same tenure. Even if the farmer grows more than 1 crop or rice variety, we call it 1 plot, as long as it's a continuous piece of land in one location.

2. Assign a name on each plot so that the respondent can identify the plot by the names even after some years.

3. Both owned-but-uncultivated plots and rented-in or borrowed-in plots by the household should be included in list.

4. List plots by the plot size, starting from the largest.

5. Draw a map or have a farmer draw a map to clearly identify all plots.

Q. 1 How much land do you own (in the unit specified in the next question)?

Q. 2 Unit of land? Please select

Q. 3 How many separate plots of land do you own?

Q. 4 How many plots have to borrowed/rent in for cultivation?

Plot_Information

ID	PQ.1Plot Name	PQ.2 Unit of Plot Size (2013)	PQ.3 Plot size in the unit specified in PQ.2	PQ.4Plot size in Ha (2013)	Q.5 Do you still use this plot? 1-Yes 2-No (Sold) 3-No (not renting this year)	Q.6 Unit of Plot Size	Q.7 Plot size in the unit specified in Q.5	Q.8 Plot size in Ha (2016)	Q.9 What is the tenure status of this plot?	Q.10 Rented in Aus 2016?	Q.11 Rented in Aman 2016?	Q.12 Rented in Boro 2015-16?	Q.13 Land type (Topology)	Delete

add row

Crop_Production

ID	Plot Name	Q.13 Did you cultivate this plot during the 2016 Aus season? 1-Yes 2-No (Fallow) 3-No (fish/shrim) 4-No (rented out)	Q.14 Did you cultivate this plot during the 2016 Aman season? 1-Yes 2-No (Fallow) 3-No (fish/shrim) 4-No (rented out)	Q.15 Did you cultivate this plot during the 2016 Boro season? 1-Yes 2-No (Fallow) 3-No (fish/shrim) 4-No (rented out)	Production in 2016 Aus	Production in 2016 Aman	Production in 2015-16 Boro	Delete

Production in 2016 Aus

Plot Name is (……). List all crops or rice varieties that are grown on this plot.

ID	Q.1 Which crop did you grow in 2016 Aus?	Q.2 Proportion (0-1) of the area of the plot under this crop or rice variety.	Q.3 Name of the rice variety?	Q.4 If not coded, write the variety name?	Q.5 What was the planting method for rice?	Q.6 Unit of crop production	Q.7 Total production in the unite specified in Q. 6	Q.8 What is the supplement irrigation source?	Q.9 How many times did you irrigate the plot?	Total production in kgs	Stress in 2016 Aus	Delete

add row

Stress in 2016 Aus

Q.1 Was this rice variety submerged any amount of time during 2016 Aus? O Yes (1) O No (2)

Q.2 How many times did it suffered from submergence during 2016 Aus? [ ]

Please ask about the most submergence occurred during 2016 Aus season if they have suffered several times?

Q.3 At which rice growing stage did the submergence occur? [ ]

Q.4 What percentage (%) of the plot was submerged? [Please select]

Q. 5 How many days the crop was totally submerged? [ ]

Q. 6 What percentage (%) of crop was damaged? [ ]

Please ask about damage from salinity in 2016

Q. 7 Did this variety suffer from salinity during 2016 Aus season? O Yes (1) O No (2)

Q.8 What percentage (%) of crop was damaged due to salinity? [ ]

Ask about the most severe drought occurrence during 2016 Aus season

Q.9 Did this rice variety suffer from drought during 2016 Aus season? O Yes (1) O No (2)

Q. 10 At which rice growing stage did the most severe drought occur? [Please select]

Q.11 How many days did the most severe drought continue? [ ]

Q.12 What percentage (%) of the crop production was damaged? [ ]

Production in 2016 Aman

Plot Name is (……). List all crops or rice varieties that are grown on this plot.

ID	Q.1 Which crop did you grow in 2016 Aman?	Q.2 Proportion (0-1) of the area of the plot under this crop or rice variety.	Q.3 Name of the rice variety?	Q.4 If not coded, write the variety name?	Q.5 What was the planting method for rice?	Q.6 Unit of crop production	Q.7 Total production in the unite specified in Q6	Q.8 What is the supplement irrigation source?	Q.9 How many times did you irrigate the plot?	Total production in kgs	Stress in 2016 Aman	Delete

add row

Stress in 2016 Aman

Q.1 Was this rice variety submerged any amount of time during 2016 Aman? O Yes (1) O No (2)

Q.2 How many times did it suffered from submergence during 2016 Aman?

Please ask about the most submergence occurred during 2016 Aman season if they have suffered several times?

Q.3 At which rice growing stage did the submergence occur?

Q.4 What percentage (%) of the plot was submerged? Please select

Q. 5 How many days the crop was totally submerged?

Q. 6 What percentage (%) of crop was damaged?

Please ask about damage from salinity in 2016

Q. 7 Did this variety suffer from salinity during 2016 Aman season? O Yes (1) O No (2)

Q.8 What percentage (%) of crop was damaged due to salinity?

Ask about the most severe drought occurrence during 2016 Aman season

Q.9 Did this rice variety suffer from drought during 2016 Aman season? O Yes (1) O No (2)

Q. 10 At which rice growing stage did the most severe drought occur? Please select

Q.11 How many days did the most severe drought continue?

Q.12 What percentage (%) of the crop production was damaged?

Production in 2015-16 Boro

Plot Name is (……). List all crops or rice varieties that are grown on this plot.

ID	Q.1 Which crop did you grow in 2015-16 Boro?	Q.2 Proportion (0-1) of the area of the plot under this crop or rice variety.	Q.3 Name of the rice variety?	Q.4 If not coded, write the variety name?	Q.5 What was the planting method for rice?	Q.6 Unit of crop production	Q.7 Total production in the unite specified in Q6	Q.8 What is the supplement irrigation source?	Q.9 How many times did you irrigate the plot?	Total production in kgs	Stress in 2015-16 Boro	Delete

add row

Stress in 2015-16 Boro

Q.1 Was this rice variety submerged any amount of time during 2015-16 Boro? O Yes (1) O No (2)

Q.2 How many times did it suffered from submergence during 2015-16 Boro?

Please ask about the most submergence occurred during 2015-16 Boro season if they have suffered several times?

Q.3 At which rice growing stage did the submergence occur?

Q.4 What percentage (%) of the plot was submerged? Please select

Q. 5 How many days the crop was totally submerged?

Q. 6 What percentage (%) of crop was damaged?

Please ask about damage from salinity in 2015-16

Q. 7 Did this variety suffer from salinity during 2015-16 Boro season? O Yes (1) O No (2)

Q.8 What percentage (%) of crop was damaged due to salinity? [ ]

Ask about the most severe drought occurrence during 2015-16 Boro season

Q.9 Did this rice variety suffer from drought during 2015-16 Boro season? O Yes (1) O No (2)

Q. 10 At which rice growing stage did the most severe drought occur? [Please select]

Q.11 How many days did the most severe drought continue? [ ]

Q.12 What percentage (%) of the crop production was damaged? [ ]

Variety_1

Replenished seeds: bought or acquired non-saved seeds

Variety

ID	Q.1 Variety Name	Q.2 If not coded, write the variety name?	Q.3 In which season in 2015-16, did you produce this variety?	Q.4 Who in your household is making decisions on rice variety selection?	Q.5 Was the seed you planted 2016 Kharif Saved from a previous year?	Q.6 In what year did you last replenish seed since 2014? (put 1900 if never replenished or do not know)	Q.7 Source of seed at last replenishment	Q.8 Why did you use this source?	Q.9 How did you replenish the seeds in the last replenishment?	Q.10 How much seed did you acquire (in kgs) for the last replenishment?	Q.11 Seed price per kg	Q.12 For how many years in total have you cultivated this variety?	Q.13 Was this seed certified/truthfully labeled?	Delete

add row

Variety_use

ID	Variety Name	Season	Q.14 Total production in kgs	Q.15 Quantity sold in kgs	Q.16 Quantity saved for seeds (kg)	Q.17 Quantity consumed in kgs	Q.18 Quantity saved for future consumption or sales	Q.19 Quantity used as payment in kgs	Total Use	Delete

add row

Variety_2

Variety_preference

ID	Variety name	Season	Q.1 What do you like about this variety?	Q.2 What about this variety do you wish were better?	Q.3 Do you plan to use this variety next season?	Q.4 What variety do you plan to use next year?	Q.5 Why?	Delete

add row

Replacement

ID	Variety name	Q.6 Have you ever changed the rice variety since 2014?	Q.7 Which variety were you growing before you started cultivating this variety?	Q.8 Un-listed variety name	Q.9 For how many years did you grow this variety?	Q.10 In which year, did you cultivate this variety for the last time? (Put 1900 if don't remember/don't know)	Q.11 Why did you stop cultivating this variety?	Delete

add row

Post_Harvest

ID	Variety_name	Q.12 How do you thresh your paddy?	Q.13 How do you dry the grains?	Q.14 How do you clean the grain?	Q.15 When do you clean the grain?	Delete

add row

Stress

Q.1 To what extent do you agree or disagree with the following statement: Submergence is a problem for my plot- Please select

Q.2 Out of the last 5 years, how many years has your rice on your land been totally submerged for at least one day?- O None (0) O 1(1) O 2(2) O 3(3) O 4(4) O 5 years (5)

Q.3 On your plots, in the past 10 years, the submergence is becoming…. Please select

Q.4 To what extent do you agree or disagree with the following statement: Salinity is a problem for my plot- Please select

Q.5 Out of the last 5 years, how many years has drought been a problem? - O None (0) O 1(1) O 2(2) O 3(3) O 4(4) O 5 years (5)

Q.6 On your plots, in your opinion, salinity is becoming…. Please select

Q.7 To what extent do you agree or disagree with the following statement: Drought is a problem for my plot- Please select

Q.8 Out of the last 5 years, how many years has drought been a problem? - O None (0) O 1(1) O 2(2) O 3(3) O 4(4) O 5 years (5)

Please select

Q.9 On your plots, in your opinion, drought is becoming….

Q.10 Are you aware of the stress-tolerant rice varieties (STRVs)?

Q.11 Source of information on STRVs: Please select

Q.12 Which of the stress-tolerant rice varieties you already heard?

1 - BRRI dhan51, 2 - BRRI dhan52, 3 - BRRI dhan56, 4 - Binadhan-8, 5 - Binadhan-10, 6 – Binadhan-11, 7 – Binadhan-12

Q.13 Are you aware on the zinc-enrich rice varieties?

Q.14 Source of information on zinc-enrich rice varieties: Please select

Q.15 Which of the zinc-enrich varieties you already heard?

1 – BRRI dhan62, 2 – BRRI dhan64, 3 – BRRI dhan72, 4 – BRRI dhan 74

Membership

In the last 12 months which of the following organizations have you or any member of the household participated in? Mark all that apply.

Membership

ID	groups	Q.1 Household head	Q.2 Spouse of household head	Q.3 Others members
1	Farmer Club			
2	Self Help Group (Women's Group)			
3	Farmer Cooperative			
4	Project by NGO			
5	Community Based Seed Production Group (CBSP)			
6	Others			

Does any household member currently have any of the following recognized roles in the village? Mark all that apply.

New Roster

ID	Group_leaders	Q.4 Household head	Q.5 Spouse	Q.6 Other members
2	Community Leader			
3	Lead Farmer			
6	School Committee member			
8	VDC/Ward member			
9	SAAO (Sub Assit. Ag. Offi.)			
90	Other			

Q.7 In the last 12 months, how many times have you met with an Ag Extension worker? ☐

Q.8 In the last 12 months, have you or any member of your family visited/seen a local or block demonstration plot?- O Yes (1) O No (2)

Q.9 What was the purpose of the demonstration plot- ☐ Please select

Q.10 What was the variety planted?- ☐ Please select

Q11. In the past 12 months, have you participated in a local or block demonstration plot?- O Yes (1) O No (2)

Q.12 Are you aware of rice seed mini-kits?- O Yes (1) O No (2)

Q.13 In the four years, have you received a rice seed mini-kit?- O Yes (1) O No (2)

Q.14 If received, how many rice seed mini-kits have you received in the last four years? ☐

Please tick what was included in the (most recent) seed minikit.

Q.15 Fertilizer ☐

Q.16 Herbicide ☐

Q.17 Pesticide ☐

Q.18 Printed materials ☐

Q.19 Money/cash ☐

Q.20 Training related to the minikit ☐

Assets

Enumerators: You do not need to fill in the boxes if the respondent does not own particular asset item. Do not need to ask about assets that are not listed below.

Q.1 Access to Electricity: do you have access to electricity?- O Yes (1) O No (2)

Assets

ID	List of assets	Q.2 Do you own this item?	PQ.1 Quantity owned in 2014	Q.3 How many do you currently own?	Q.4 Reason for quantity increase	Q.5 Reason for quantity decrease	Q.6 If sold, how much?
1	Plough sets						
2	Carts						
3	Duster						
4	Chaff Cutter						
5	Sprayer						
6	Diesel Pumps						
7	Wheel barrows						

8	Trasher						
9	Power Tiller						
10	Trolley						
11	Tractors						
12	Bicycle						
13	Radio						
14	TV						
15	DVD players						
16	Mobile phones						
17	Two wheelers						
18	Four wheelers						
19	Refrigrators						
20	Cooler						
21	Electric Fan						
22	Computers						

Livestock

Animal list

ID	List of animals	Q.1 Do you own this animal?	PQ.1 Quantity owned in 2014	Q.2 How many do you currently own?	Q.3 Reason for quantity increase	Q.4 Reason for quantity decrease	Q.5 If sold, how much?
1	Baffalo						
2	Cows						
3	Heifers/Calves						

4	Bullocks						
5	Goats						
6	Sheep						
7	Chicken						
8	Pigs						
9	Ducks						

Mobile phone use

Q.1 Does anyone in your household own a mobile phone?

Q.2 If yes, how many mobile phones?

Q.3 If yes, when was the year the household first own a mobile phone?

Q.4 Do you use mobile banking?

Q.5 If yes, what year did you start using mobile banking?

Q.6 If yes, what kind of account do you use for mobile banking?

Code	Bank Name	Product Name
1	Duch-Bangla Bank Limited	Mobile-Banking
2	BRAC Bank Limited	bKash
3	Prime Bank Limited	EasyCash
4	Islami Bank Bangladesh Limited	mCash
5	Trust Bank	Mobile Money
6	National Credit and Commerce Bank Limited	SureCash

7	Bank Asia Limited	Mobile Banking
8	Dhaka Bank	SMS Banking
9	Mercantile Bank	Mobile Banking
10	AB Bank	SMS Banking
11	South East Bank	SMS Banking
12	First Security Islami Bank	SureCash
13	Bangladesh Commerce Bank	SureCash
14	Standard Bank	
15	United Commerce Bank	SMS Banking

Q.7 Which purpose do you use mobile banking (multiple responses)? 1-Transfer money, 2-Receive money, 3-Payment of salary, 4-Receive salary, 5-Payment of bills, 6-Payment for agricultural transaction, 7-Buying/shopping, 8-Recharging cell phone

Q.8 Did you use mobile phones in obtaining information related to agriculture?

Q.9 If yes, which information (multiple responses)? 1-weather information, 2-market price information, 3-input price information, 4-how to mitigate crop damage (wees, insects, pests, crop diseases, etc.), 5-information about new rice varieties, 6-Agricultural practices (machines, agronomy, input use, etc.), 90-others (specify)

Q.10 If yes, what year did you start using mobile phone in getting agricultural related information?

Payment over time

We would like to ask you hypothetical questions that we would like you to answer as if the situation was a real one. Now I would like to ask you a few questions about whether you would prefer to have an amount of money right now, or a larger amount of money one year from now.

Q.1 Would you rather have Taka 130 or Taka 142 one year from now? - Today/One year from now

Q.2 Would you rather have Taka 130 today or Taka 155 one year from now? - Today/One year from now

Q.3 Would you rather have Taka 130 today or Taka 181 one year from now?- Today/One year from now

Q.4 Would you rather have Taka 130 today or Taka 206 one year from now? - Today/One year from now

Q.5 Would you rather have Taka 130 today or Taka 258 one year from now? - Today/One year from now

Q.6 Would you rather have Taka 130 today or Taka 387 one year from now?- Today/One year from now

Q.7 Would you rather have Taka 130 today or Taka 645 one year from now?- Today/One year from now

Q.8 Would you rather have Taka 130 today or Taka 1290 one year from now?- Today/One year from now

Q.9 Would you rather have Taka 130 today or Taka 2580 one year from now?- Today/One year from now

Q.10 Would you rather have Taka 130 today or Taka 10320 one year from now?- Today/One year from now

Payment options

As the question to the survey, we'd like to offer you a choice between the following payment options. We will make an actual payment to you in terms of mobile phone credit, so please think carefully about your choice. You can only choose one option and I will throw the dice to determine the pay-out.

Please choose one option!

Option 1……Taka 52 for sure

Option 2……Odd numbers (1, 3, 5): Taka 39…….Even numbers (2, 4, 6): Taka 77

Option 3…… Odd numbers (1, 3, 5): Taka 26…….Even numbers (2, 4, 6): Taka 103

Option 4…… Odd numbers (1, 3, 5): Taka 13…….Even numbers (2, 4, 6): Taka 130

Option 5…… Odd numbers (1, 3, 5): Taka 0…….Even numbers (2, 4, 6): Taka 155

Q.1 Farmer Payment Choice- O Option1 (1) O Option2 (2) O Option3 (3) O Option4 (4) O Option5 (5)

Q.2 Outcome of the dice- O None (7) O 1(1) O 2 (2) O 3 (3) O 4 (4) O 5 (5) O 6 (6)

Endpage

Enumerator: Click "Validate Entire Interview" at the top of the screen under "File". Eliminate all remaining errors.

Q.1 If you have eliminated all errors, click Get Time - Get time

Enumerator: Please state the following note to the respondent: "Thank you very much for participating in our survey. We will use your information to draw policy recommendations that, we hope, will make lives of people in Bangladesh better. We hope that you will also help us in the future. Thank you. "