

HOUSEHOLD QUESTIONNAIRE

I am a surveyor hired to carry a survey in your village, the survey is part of a research project to better understand agriculture and the state of irrigation and drainage. Your household has been chosen randomly. I will ask you several questions, the total time of the questionnaire will not be more than 1 hour. All your answers will be kept private, your name will not appear in any data that is made publicly available. The information you provide will only serve for research purposes, your answers won't have any impact on benefits or subsidies you may receive.

Do you accept to answer to this questionnaire?

The previous paragraph has to be read before each interview. At the beginning of the interview, take the time to present yourself and the aim of the questionnaire to establish trust with the respondent. If necessary, take the time to answer to the respondent's own questions. Clearly ask if the respondent agrees to answer these questions. If it is the case, then pursue. If not then, leave the respondent politely and go in a replacement household.

[HID] HOUSEHOLD CODE -

SECTION 1 - IDENTIFICATION

	[1] Names	[2] Codes <i>For the codes, see the code list 1</i>
[PD] POLDER	<input type="text"/>	<input type="text"/>
[ZL] ZILLA	<input type="text"/>	<input type="text"/>
[UZ] UPAZILLA	<input type="text"/>	<input type="text"/>
[UN] UNION	<input type="text"/>	<input type="text"/>
[MZ] MOUZA	<input type="text"/>	<input type="text"/>
[VL] VILLAGE	<input type="text"/>	<input type="text"/>

ENUMERATOR

[3a] Name
 [3b] Code
 Signature

SUPERVISOR

[4a] Name
 [4b] Code
 Signature

[5] Date..... / Day / Month

[6] Time at the beginning of the interview..... : Indicate 14:30 if it is 2:30 pm

Questions to be filled in by enumerators after consulting with the respondent

[6 a] Is this the same household surveyed last year ? 1= Yes 2= New household

[6 b] Is he/she the same respondent who was interviewed last year ? ? 1= Yes 2 = New respondent

[7] Name of the repondent

[8] Gender of the Respondent 1= Male 2=Female

[9] Telephone number

Is it the same mobile number? (Please match it with the mobile number collected last year)

 1=Yes 0=No

[10a] GIS localisation of the household..... N..... ° ,

[10b] E..... ° ,

Household Head Details

[11] Name of the Head of the Household

[12] Gender of the Head of the Household 1= Male 2=Female

[13] Age of the Head of the Household

[14] Religion of the Household Head 1=Islam 2=Hindu 3=Christian
 4=Buddhist 5=No religion 6=Other

[15] Last level of education for the Household Head |__|__|

00=No school	10=SSC passed
01=Class 1	11=Intermediate 1st year
02=Class 2	12=Intermediate
03= Class 3	13=Graduate
04=Class 4	14=Master
05=Class 5	15=Technical class
06=Class 6	16=Diploma
07=Class 7	17=Madrasa
08=Class 8	18=Other
09=Class 9	

[16] Last level of education for spouse of HH Head |__|__|

00=No school	10=SSC passed
01=Class 1	11=Intermediate 1st year
02=Class 2	12=Intermediate
03= Class 3	13=Graduate
04=Class 4	14=Master
05=Class 5	15=Technical class
06=Class 6	16=Diploma
07=Class 7	17=Madrasa
08=Class 8	18=Other
09=Class 9	

SECTION 2 - LAND

[1] What is the unit you usually use to estimate the land measurement?

[2] Please provide conversion for this unit..... 1 _____ ↓ _____ = |__|__|__| • |__|__| decimals

When this unit is defined, all the following questions about land area, plot area... will be done using this same unit.

[3a] How many plots do you have papers for?..... |__|__|

[3b] How many plots do you cultivate but do not have papers for (lease in or share crop)?..... |__|__|

[3c] How many plots do you lease out or share crop out?..... |__|__|

Indicate in this table the 2 most important plots (importance in terms of size) cultivated by the household (own/leased-in/share-cropped in) .

	[4]	[5a]	[5b]	[5c]	[6]	[7]	[8]	[9]	[10]	[11]	[12a]	[12b]	[12c]
	Area	This plot was cultivated in			What is the status of this plot? 1=have papers and used by the 2=Lease in 3=Share cropping in 4=Occupied 5=Other	What is the elevation of this plot? 1=Low 2=Medium 3=High	What is the <u>main</u> soil type of this plot? 1=Etel 2=Doash 3=Bele 4=Black 5=Etel+Doash 6=Bele+Doash 7=Other	How far is this plot from the main <u>Khal in meters?</u> <i>If more than one choose the nearest</i> 0=Bordering the khal, or khal goes through plot	How far is this plot from the main <u>gate (flush out) in meters?</u> <i>If more than one choose the nearest</i> 0=Bordering the gate	Last year did you face any problem bringing water to this plot/any other water management issues 0=No==>Q1 1=Yes	If yes, identify three main problems, else skip to Q13 1= Inadequate water quantity during Aman 2= Inadequate water quantity during Rabi 3= Conflict in gate operation 4=No rain 5= Saline water /water quality not good 6=Water problem while transplanting Aman crop 7=Water logging 8=Others_____		
	Aman (July - Dec 14)	Rabi (Dec 14 - June 15)	Other season/All year round										
Plot code		0=No 1=Yes	0=No 1=Yes	0=No 1=Yes									
[a]	_ _ _ _ . _ _ _	_	_	_	_	_	_	_ _ _ _	_ _ _ _	_	_	_	_
[b]	_ _ _ _ . _ _ _	_	_	_	_	_	_	_ _ _ _	_ _ _ _	_	_	_	_

	[13]	[14]	[15]	[16]	[17]	[18a]	[18b]	[18c]	[19]	[20]	[21a]	[21b]	[22]
	DURING AMAN SEASON (July - Dec 14)									AFTER AMAN HARVEST		DURING ROBI SEASON	
	Was your crop ever totally submerged in water on this plot? 0=No 1=Yes	Last year, how many days was the height of the water in this plot above the desired level?	Last year how many times did you have to drain this plot?	Last year what was the maximum time that it took to drain out water during aman season in this plot (in days)	Did you have to drain this plot to harvest your crop? If yes, go to Q18, else skip to Q19 0=No 1=Yes	If yes,		How many days did it take to drain this water?	If no, Why did you not drain out for harvest 1=needed but not possible 2=Not required/no water	How many days did it take for this plot to be dry enough for tillage?	When was this plot dry enough for tillage?		Indicate your drainage requirements for this plot. 1=Not required 2=Required and was able to drain out 3=Required but unable to drain
						When did you start to drain out water ? Indicate the month and week below					Bengali months	1=1st Week, 2=2nd Week 3=3rd Week 4=4th Week	
Plot code													
[a]													
[b]													

[23a]	What is the total size of the land fr which you have papers?.....	Homestead/dwelling area.....	_ _ _ . _ _
[23b]	Use the previous unit defined in Q2.	Land for agriculture.....	_ _ _ . _ _
23b1]	Out of total land for agriculture(Q23b), how much area (Use the previous unit used in Q23b)is in:		
23b2]		Lowland.....	_ _ _ . _ _
23b3]		Medium land.....	_ _ _ . _ _
[23c]	What is the total size of the land fr which you have papers for?.....	Highland.....	_ _ _ . _ _
[23d]		Land for aquaculture, ponds.....	_ _ _ . _ _
[23e]		Fallow land.....	_ _ _ . _ _
[23f]		Orchard land (fruit trees).....	_ _ _ . _ _
[23g]		Ponds.....	_ _ _ . _ _
[23T]		Other clump.....	_ _ _ . _ _
		TOTAL.....	_ _ _ . _ _

SECTION 3 -CROPPING PATTERN

[0] Do you cultivate some crops or vegetables by yourself ?..... |_|

0=No 1=Yes

If the household lease out or sharecrop out his land, he doesn't cultivate by himself, the answer is no.

AGRICULTURAL CROPS

Indicate in this table, all the crops cultivated by the household, between June 2014 and May 2015.

2014-2015

[1]	[2a]	[2b]	[3a]	[3b]	[4]	[5]	[6]	[7]	[7b]	[8]
Type of crops	When did you sow this crop? (month)	When did you sow this crop? (week)	When did you harvest this crop? (month)	When did you harvest this crop? (week)	How much area was under this crop?	How much was your total harvest ?	What is the unit used for the harvest?	From this production, how much have you sold?	If you have sold, what was the selling price (Tk/unit)	What was the most important source of water for this crop?
<i>See list below</i>	<i>Bengali months</i>	1= 1st week 2= 2nd week 3=3rd week 4=4th week	<i>Bengali months</i>	1= 1st week 2= 2nd week 3=3rd week 4=4th week	<i>If several plots, indicate the total. Same unit as previously defined.</i>		1=Maund 2=Bag 3=Kg 4=Quintal 5=Piece 6=Rupees 7=Kandi	<i>Use the same unit as defined in Q6</i>		0=Rain 1=Groundwater 2=River 3=Canal 4=Tank/pond 5=Other
[a]	_	_	_	_	_ _ _ _ _	_ _ _ _ _	_	_ _ _ _ _	_ _ _ _ _	_
[b]	_	_	_	_	_ _ _ _ _	_ _ _ _ _	_	_ _ _ _ _	_ _ _ _ _	_
[c]	_	_	_	_	_ _ _ _ _	_ _ _ _ _	_	_ _ _ _ _	_ _ _ _ _	_
[d]	_	_	_	_	_ _ _ _ _	_ _ _ _ _	_	_ _ _ _ _	_ _ _ _ _	_
[e]	_	_	_	_	_ _ _ _ _	_ _ _ _ _	_	_ _ _ _ _	_ _ _ _ _	_
[f]	_	_	_	_	_ _ _ _ _	_ _ _ _ _	_	_ _ _ _ _	_ _ _ _ _	_
[g]	_	_	_	_	_ _ _ _ _	_ _ _ _ _	_	_ _ _ _ _	_ _ _ _ _	_

List of crops Q1

01=Aus paddy	07=Sun flow	13=Sugarcane	19=Peanuts	25=Radish	33=Turmeric	40=Mangoes	52=Sericulture
02=Aman paddy	08=Oil seeds	14=Sesame (til)	20=Tomoato	26=Califlower	34=Colocasia	41=Bananas	53= fish cultivation
03=Boro paddy	09=Tobacco	15=Maize	21=Onion	27=Cabbage	35=Other vegetables	42=Lemon	54= shrimp cultivation
04=Wheat	10=Coton	16=Lentils, pulses	22=Chilli	28=Cuncucumber	36=Flower	43=Other fruits	55=Others
05=Mustard	11=Betel leav	17=Chickling vetch, khesar	23=Ginger	31=Carrot	37=Medicinal plants	50=Fodder	
06=Jute	12=Potato	18=Beans	24=Brinjal	32=Garlic	38=Spices	51=Makhana	

ADOPTION OF IMPROVED AGRICULTURAL TECHNOLOGIES

0=No 1=Yes

- [9a] Do you apply chemical fertilizer..... ☐
- [9b] Do you apply pesticides..... ☐
- [9c] Do you apply herbicide..... ☐
- [9d] Do you use powertiller..... ☐
- [9e] Do you use rice transplanter..... ☐
- [9f] Do you use reaper/harvester..... ☐
- [9g] Do you use power thresher..... ☐

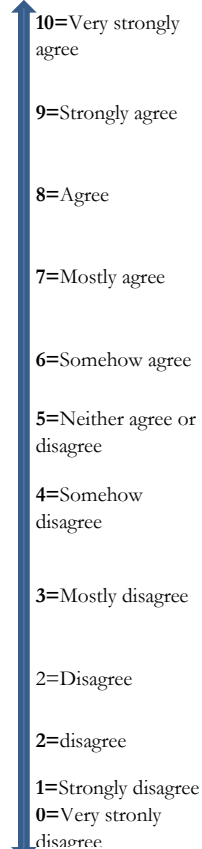
Area (decimals)

- [10a] Area under high-yielding Aman rice.....
- [10b] Area under rabi crops (all crops in main field).....

SECTION 4 - PERCEPTIONS

We are interested in understanding your perceptions about a number of activities that have the potential to increase the incomes of your household. I will now read statements/sentences, for each statement you will tell me to which extent you agree or not. If you totally agree with the sentence, you will give 10, if you totally disagree you will give 0. If required you can use this scale.

- | | |
|-------------------------------------------------------------------------------------------------------------------------|-------|
| [1a] paddy | __ __ |
| [1b] Using HYV variety paddy would increase the income of my household | __ __ |
| [1c] If I use HYV variety paddy, I would sell most of the produces in the market. | __ __ |
| [1e] Using HYV variety paddy would increase the rice production in my field | __ __ |
| [1f] HYV variety of paddy seeds are expensive in the market compared to the traditional variety | __ __ |
| [1g] HYV variety of paddy seeds are easily available in the market | __ __ |
| [1h] Using HYV variety of paddy cultivation is labour intensive | __ __ |
| [1i] The selling price of rice from HYV variety paddy is less compared to traditional variety | __ __ |
| [1d] The women in my household would be able to lead cultivation by using HYV variety paddy | __ __ |
| [2a] My household knows how to produce seed for HYV variety rabi crop (wheat, sesame, mung) | |
| [2b] Using for HYV variety seed for rabi crop (wheat/sesame/mung) would increase the income of my household | __ __ |
| [2c] If I use HYV variety seeds for rabi crop (wheat/sesame/mung) I would sell most of the produces in the market. | __ __ |
| [2e] Using HYV variety seed for rabi crop (wheat/sesame/mung) would increase its production | __ __ |
| [2f] HYV variety seeds for rabi crop (wheat/sesame/mung) is expensive in the market compared to the traditional variety | __ __ |
| [2g] HYV variety seeds for rabi crop are easily available in the market | __ __ |
| [2h] Using HYV variety seeds for rabi crop cultivation is labour intensive | __ __ |
| [2i] compared to traditional variety | __ __ |
| [2d] HYV variety rabi crop (wheat/sesame/mung) | __ __ |
| [3a] Wheat cultivation is an activity that my household is interested in doing | __ __ |
| [3b] Wheat cultivation would increase the income of my household | __ __ |
| [3c] If I produce wheat, I would sell most of it in the market | __ __ |
| [3d] Selling wheat in the market is easy and convenient | __ __ |
| [4a] Maize cultivation is an activity that my household is interested in doing | __ __ |
| [4b] Maize cultivation would increase the income of my household | __ __ |
| [4c] If I produce maize I would sell most of it in the market | __ __ |
| [4d] Selling maize in the market is easy and convenient | __ __ |
| [5a] Sunflower cultivation is an activity that my household is interested in doing | __ __ |
| [5b] Sunflower cultivation would increase the income of my household | __ __ |
| [5c] If I produce sunflower I would sell most of it in the market | __ __ |
| [5d] Selling sunflower in the market is easy and convenient | __ __ |
| [6a] Planting the rabi crop earlier would help reduce the risk of damage from an early monsoon | __ __ |
| [6b] Planting the rabi crop earlier will not affect the quality of the crop | __ __ |
| [6c] Planting the rabi crop earlier will not affect the quantity of harvest | __ __ |

- 
- 10=Very strongly agree
- 9=Strongly agree
- 8=Agree
- 7=Mostly agree
- 6=Somehow agree
- 5=Neither agree or disagree
- 4=Somehow disagree
- 3=Mostly disagree
- 2=Disagree
- 2=disagree
- 1=Strongly disagree
- 0=Very strongly disagree

Field Channels are narrow nullahs through your plot that connects your interior plots with the nearest khal. The field channels will be narrow about _____ cm (?) and can be constructed on the "aals" i.e. the small dykes demarking plots. It needs to be redone before every monsoon. It will enable water from your land to reach the khal through the field channel quicker rather

- [7a] Field channels can drain my plots faster |_|_|
 [7b] I am willing to use some of my land to build the field channels |_|_|
 [7c] I am willing to dedicate my time to build the field channels every cropping season |_|_|
 [7d] I am interested in building the field channels in my field next cropping season |_|_|
 I don't have the authority to build field channels as I don't own the land I am
 [7e] cultivating |_|_|
 [7f] My plot's neighbouring plot owner may/has disagreed to build field
 channels therefore I cannot build a field channel |_|_|
 [7g] Having field channels will/has improved the crop productivity in my fields |_|_|
 [8a] I am aware that rice seedlings can be transplanted using machines, rather than
 my hand |_|_|
 [8b] I would be interested in using machines to transplant rice seedlings rather than my har |_|_|
 [9a] Pulses cultivation is an activity that my household is interested in doing |_|_|
 [9b] Pulses cultivation would increase income of my household |_|_|
 [9c] If I produce pulses, I would sell most of it in the market |_|_|
 [9d] Selling pulses in the market is easy and convenient |_|_|
 [10] The involvement of women in my household in agriculture has
 increased in recent years |_|_|

CONSTRAINTS DURING CROPPING SEASONS

Now, we would like to ask you about major constraints you face in farming during different cropping seasons

Please tell us 3 major constraints you faced in the Aman season (in the order of importance)

- [11a] Constraint 1: _____
 [11b] Constraint 2: _____
 [11c] Constraint 3: _____

Please tell us 3 major constraints you faced in the Rabi season (in the order of importance)

- [12a] Constraint 1: _____
 [12b] Constraint 2: _____
 [12c] Constraint 3: _____

Frequency of occurrence of the following stresses in the farmer's field (# of years in the last 5 years)

- [13a] Submergence/flooding: _____
 [13b] Drought (in rabi): _____
 [13c] Salinity: _____
 [13d] Major insects/diseases outbreaks: _____

Production loss due to the following stresses (% of normal production)

- [14a] Submergence/flooding: _____
 [14b] Drought (in rabi): _____
 [14c] Salinity: _____
 [14d] Major insects/diseases outbreaks: _____

SECTION 5 - WATER MANAGEMENT

From this list which are the 3 most important water related problems in <u>your village</u> .			From this list which are the 3 most important problems affecting <u>your household</u> ?		
[1]	[1a]	[1b]	[2]	[2a]	[2b]
Overall	Aman season	Rabi season	Overall	Aman season	Rabi season
[a] 1st problem.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
[b] 2nd problem.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
[c] 3rd problem.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

01=Water logging	04=Salinity intrusion	07=Canal leasing	10=Degradated environnement
02=Water scarcity	05=Conflict	08=Enbankment weakness	11= River erosion
03=Lack of irrigation	06=Canal siltation	09=Sluice gates condition	12=Natural desast 13=Other_____

WATER MANAGEMENT GROUPS

[3] Is someone from your household member of a WMG/ Bluegold?.....

1=Yes 0=No

If Q3=0, then skip to Q9, else continue below with 3b

[3b] Number of male WMG members in your household

[3c] Number of female WMG members in your household

If more than one WMG member in the household, fill in the details below (from Q4 to Q8) for the member who holds the highest position or who have been the WMG member for the longest duration

[4] What is his/her status in the WMG?.....

1=Chairperson	4=Other member of the excutive committee
2=Secretary	5=General member
3=Treasurer	7=Paid employed staff 8=Other_____

[5a] When did he/she become member?..... Month.....

[5b] Year.....

[6] How much did he/she pay to become member, in Tk?.....

[7]

[8]

- [a] Saving fund
- [b] Maintenance fund
- [c] Emergency fund
- [d] Any other fees

How many time did he pay the WMO in the 12 last months for....?	What was the total amount paid to the WMO in the 12 past months for?
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

==> Go to Q10a

[9] (Only ask if Q3 = 0) Why there is no WMO member from your household?.....

1=No WMO in the area==> Go to Q11	4=Previously member but left	7=No trust
2=Never contacted to be member	5=Not interested	8=Other_____
3=Not a land owner	6=Tried but not admitted	

How do you estimate the actions and results of the WMG last year, between 0 and 10 about.....

- [10a] **Tranparency:** access to information related to actions, organization, rules.....
- [10b] **Financial accountability:** clear budget and finance, no corruption.....
- [10c] **Participation:** inclusion of all the stakeholders on fair rules.....
- [10d] **Rules respect, legitimacy, conflict resolution:** ability of the WMO to regule water uses, to sanction.....
- [10e] **Gates operation**.....
- [10f] **Maintenance**.....

GATES OPERATION AND MAINTENANCE

[11] Which is the most important gate for you? Indicate the number using the map..... | | | |

00=No gate

99=Not mapped

88=Private

Given the sample we can specify which gates

[12] How do you rate the condition of this gate? Rank from 0 to 10. | | | |

1=Very poor 10=Very good

[13] Do you participate physically in the operation of this gate?..... | |

1=Yes

0=No

[14] Do you participate in making decisions about the operation of this gate?..... | |

1=Yes

0=No

[15] Who makes the decisions related to operation of the gate..... | |

1=Formal committee related to WMO

4=Decision by people living there 7=Other.....

2=Informal gate committee

5=Beel committee

3=Gher committee

6=Union Parishad

[16] How are the decisions made?..... | | | |

01=Collective decision by all the stakeholders

04=Decision by few farmers

08=Gate committee

02=Collective decision by the land owners

05=Decision by few gher owners

09=Beel committee

03=Collective decision by people living near the gate

06=Decision by influential people

10=UP

07=WMCA, WMG

11=Other.....

[17] Which person operates the gate?..... | |

1=Khalasi

4=Voluntary gateman leaving nearby

2=Gateman appointed by committee/WMO

5=Several people depending on the needs

3=Gateman appointed by gher owner

6=Other

[18] How many days did you work voluntarily last year to repair/maintain this gate?..... | | | |

The number of days is for all the household members, indicate the sum.

[19] How much did you spend/pay last year for the maintenance of this gate, in Tk?..... | | | | | | | |

If in kind donation (bamboo, earth...), estimate the value.

[20] How much did you pay for the gate operation (to gateman) last year, in Tk?..... | | | | | | | |

If in kind, please estimate the value.

CANALS AND EMBANKMENT MAINTENANCE

[21] Which are the most important canals for you? Indicate the name....

This may be the canal from which flow in/out water for agri/aqua culture activities or the canal closest to the house if the household have no culture activities.

[22] How do you rate the condition of this canal? Rank from 0 to 10. | | | |

1=Very poor 10=Very good

[23] How many days did you work voluntarily last year to maintain this canal?..... | | | |

Ex:jacinth removal, small re-excavation, cleaning... The number of days is for all the household members, indicate the sum.

[24] How much did you spend/pay last year for the maintenance of this canal, in Tk?..... | | | | | | | |

If in kind donation (bamboo, earth...), estimate the value.

[25] How do you rate the condition of the embankment? Rank from 0 to 10. 0=Very poor 10=Very good... | | | |

[26] How many days did you work voluntarily last year to maintain the embankment?..... | | | |

The number of days is for all the household members, indicate the sum.

[27] How much did you spend/pay last year for the maintenance of the embankment, in Tk?..... | | | | | | | |

If in kind donation (bamboo, earth...), estimate the value.

SECTION 6 - MIGRATION

[0] Number of migrants in your Household If Q0= 0, then skip to next section 7, else go to Q1

[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]
Nature of migration	Gender	Age	Education	Place migrated to?	Name of the place/district /country migrated to?	Number of months since migration	Migrant's current job?	What kind of loan did you have to take to facilitate migration
1=Seasonal labour(HH member migrating on seasonal basis) 2=Permanent labour(HH member who have migrated permanently i.e. away more than a year and visits home occasionally)	1=Male 2=Female		1=none 2=below class 10 3=passed class 10 4=passed class 12 5=university 6=other (e.g. Madrasa)	1=Urban 2=Rural 3=Abroad 4=More than one location			1=agricultural labour 2=non-agricultural labour unskilled(driver, cook,daily wage labour,carpenter etc.) 3=non-agricultural labour skilled(doctor,lawyer, engineer, teacher etc.)	0=No loan 1= Borrowed money from bank 2=Borrowed money from local money lender 3=Borrowed money from credit groups/micro-finance organizations 4=Borrowed money from relative 5=Mortgage land 6= Sold land
[a] <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>
[b] <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>
[c] <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>
[d] <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>
[e] <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>

[10] Do you get any remittances? 1=Yes 0=No

[11] Where do you spend your remittances? (Rank in order of immediate priority)

[a]	Education	<input type="text"/>
[b]	Medical	<input type="text"/>
[c]	Food items	<input type="text"/>
[d]	Clothes	<input type="text"/>
[e]	New house	<input type="text"/>
[f]	Agricultural inputs(seeds, fertilizers, irrigation, machineries)	<input type="text"/>
[g]	Buying land for house, agriculture or other purpose	<input type="text"/>
[h]	Investing in business	<input type="text"/>
[i]	Taking land on lease/contract	<input type="text"/>
[j]	Loan Repayments	<input type="text"/>
[k]	Ceremonies	<input type="text"/>
[l]	Dowry	<input type="text"/>
[m]	Savings	<input type="text"/>

[12a] Who in your household is the primary decision maker on use of the remittance? ☐

1=Only male household member
2=Only female household member
3=Together by the male and female members of the household

If Q12a=1, answer 12b, else continue below with Q13

[12b] Are women in the household consulted on decisions over use of the remittance ☐

1=Yes	0=No
-------	------

[13] Has male migration from your household, increased women's involvement in agriculture ☐

1=Yes	0=No
-------	------

If Q13=0, then skip to the next Section 7, else continue below with Q14a

[14] Male out- migration in the household, has increased women's responsibility and involvement in:

[a] Land preparation ☐

[b] Buying seeds and fertilizers from market ☐

[c] Crop establishment/planting and sowing ☐

[d] Irrigation(Operate machines/applying water by hand sprinklers, getting water from providers) ☐

[e] Weeding ☐

[f] Applying fertilizers ☐

[g] Harvesting and threshing ☐

[h] Postharvest cleaning /processing of crops ☐

[i] Hiring of labor, machines, etc. ☐

[j] Selling of crops in the market ☐

[k] Draining out water from farm land during rice cultivation ☐

1=Yes	0=No
-------	------

SECTION 7 - GENDER

HOUSEHOLD & AGRICULTURAL ACTIVITIES

[1]

[2]

Who does the Household/Community Activities		Who does the Agriculture Activities	
<i>1=Male members of HH; 2=Female Members of HH; 3=Combination of male and female members of the HH; 4=Other(hire labour-male); 5=Other(hire labour-female); and 5 not valid for Q1h</i>		<i>1=Male members of HH; 2=Female Members of HH; 3=Combination of male and female members of the HH; 4=Other(hire labour male); 5=Other(hire labour female)</i>	
[a]	Buying food items		Buying seeds and fertilizers
[b]	Buying other household assets		Irrigation(Operate machines/applying water by hand sprinklers, getting water from providers)
[c]	Collecting fodder for cattle		Sowing seeds (for rice,rabi crops)
[d]	Looking after children, their education etc.		Ploughing land (for rice,rabi crops)
[e]	Managing livestock, cattle rearing, poultry etc.		Applying Fertilizer / pesticides / herbicides on the crops(for rice,rabi crops)
[f]	Kitchen garden		Managing agricultural labours
[g]	Accessing information on government schemes, programmes and other government work		Managing owned machineries/hiring machineries
[h]	Attending/participating the meetings and activities conducted by local government/WUAs/NGOs/other groups etc.		Draining out water from farm land during rice cultivation
[i]			Selling the produce/taking produce to the market(rice,rabi crops)
[j]			Harvesting crops (for rice,rabi crops)
[k]			Weeding
[l]			Cleaning and drying of crops, separating jute fibre, fibre and stick
[m]			Storing/processing crops
[n]			Storing/Processing seeds for next season
[o]			Preparing land for vegetable cultivation
[p]			Planting/sowing vegetable seeds
[q]			Applying irrigation water for vegetable cultivation
[r]			Harvesting vegetable produce
[s]			Selling vegetable produces
[t]			Fish drying and processing
[u]			Cleaning ponds for fish cultivation
[v]			Preparation of feed, feeding the fish
[w]			Selling fish

COMMUNITY PARTICIPATION

		[3]	[4]	[5]	[6]	[7]
		Any such group present in your community? 1=Yes 0=No ==>go to next row	Number of members in the HH involved in such groups		If Q4=0 or Q5=0 (i.e. No male/female member),what is the main reason for not participating	
			Male	Female	Male	Female
[a]	Agricultural / livestock/ fisheries producer's group	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
[b]	Water users' group (WMA etc.)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
[c]	Credit or microfinance group	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
[d]	Local government	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
[e]	Other women's group (only if it does not fit into one of the other categories)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
[f]	Other development project groups such as BLUE GOLD & AAS	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
[g]	Other (specify) _____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

ECONOMIC DECISION MAKING

Who takes the decisions in the household?

	[8] Who takes the final decision regarding <i>1=Respondent 2=Partner/ Spouse; 3= Respondent and partner/ spouse jointly; 4=Other household member (Male); 5= Other household member (Female); 6= Respondent and other household member(s) (Male); 7= Respondent and other household member(s) (Female); 8=Partner/ Spouse & other household member(s)(Male); 9=Partner/ Spouse & other household member(s) (Female); 10=Any other</i>	[9] Were the opinion of any women HH members taken for these decisions? <i>1=Yes 0=No</i>
[a] What seeds and fertilizers to buy, how much to spend on that?	___	___
[b] To participate in new agricultural activities/ schemes propounded by Govt, NGOs, donor etc.	___	___
[c] Types of crop to grow	___	___
[d] How much produce to sell and how much to store for (Rice, Rabi crops)	___	___
[e] Expenditures on income generated from agricultural sales income (Rice, Rabi crops)	___	___
[f] Involvement in non-farm business activities/new income generating activities such as livestock, fisheries, other business etc.	___	___
[g] Major HH expenditures? (like buying land, building new house/house renovation, purchase of any agricultural tools, machineries such as tractors, pumpsets, taking loans)	___	___
[h] Minor HH expenditures? (Such as food for daily consumption/ Other HH needs such as buying clothes, utensils etc.)	___	___
[i] Children Education	___	___
[j] Joining/Participating in Farmer's, Water users' group, credit groups, NGOs etc.	___	___

[k]	How much irrigation water is to be applied and for how many hours for <u>rice /rabi crops</u>	_ _	_
[l]	How much irrigation water is to be applied and for how many hours for <u>vegetables</u>	_ _	_
[m]	How much of the vegetable produce to sell and how much to keep for self consumption	_ _	_
[n]	What to do with/how to spend income from the vegetables sales	_ _	_
[o]	Renting any agricultural tools, equipment, machineries such as tractors, pumpsets?	_ _	_
[p]	When and for what activities to hire labours?	_ _	_
[q]	How much wage to be paid to the labourers	_ _	_
[r]	Selling of livestock/poultry	_ _	_
[s]	Selling of fish/shrimps	_ _	_

SECTION 8 - FARM INCOMES AND LIVELIHOODS

	[1]	[2]	[3]	[4]
	Agricultural daily labour		Non-Agricultural daily labour	
	Males	Females	Males	Females
[T] Number of household members	_ _	_ _	_ _	_ _
[L] Wage rate (Tk/day)	_ _ _ _	_ _ _ _	_ _ _ _	_ _ _ _

	[5]	[6]
	Do you have the following source of income 0=No 1=Yes	If Q5 is yes, what is the annual income (Tk) from this source, <i>else skip to next question</i>
[a] Sale of livestock/poultry and their products	_	_ _ _ _ _
[b] Sale of fish	_	_ _ _ _ _
[c] Sale of fruits, vegetables and forest products	_	_ _ _ _ _
[d] Sale of productive and/or durable assets (land, equipments, jewelries, etc.)	_	_ _ _ _ _
[e] Wage labor (agriculture)	_	_ _ _ _ _
[f] Wage labor (non-agriculture)	_	_ _ _ _ _
[g] Salary and pension	_	_ _ _ _ _
[h] Remittance	_	_ _ _ _ _
[i] Rental income (house, land, machine, etc)	_	_ _ _ _ _
[j] Trade and business	_	_ _ _ _ _
[k] Transport/van operation	_	_ _ _ _ _
[l] Caste occupation (carpenter, barber, clinic, tailor, etc)	_	_ _ _ _ _
[m] Other(specify)	_	_ _ _ _ _

SECTION 9 - FOOD SECURITY

[1] Please remember your food consumption in the 12 last months. We consider a food shortage when you were required to cut the size of your meals or skip meals, because of insufficient money for food or no stock of food. Indicate the situation for each month.

Apr-May [a] Boishakh __	Oct-Nov [g] Kartik __
May-June [b] Joishtho __	Nov-Dec [h] Ôgrohaeon __
June-July [c] Asharh __	Dec-Jan [i] Poush __
July-Aug [d] Srabon __	Jan-Feb [j] Magh __
Aug-Sept [e] Bhadro __	Feb-March [k] Falgun __
Sept-Oct [f] Ashshin __	March-Apr [l] Choitro __

If coded 1 for even 1 month in Q1 then go to Q2

0=No food shortage
1=Food shortage

	[2]
	Last year when you faced food - shortage did you take any of the following measures <i>1=Yes 0=No</i>
[a] Rely on cheap, less expensive and less preferable food	_
[b] Reduce the quantity of your intake of food	_
[c] Reduce the number of times you eat food each day	_
[d] Spend days without eating any food	_
[e] Borrow from relatives/friends for food (without interest)	_
[f] Take loans to purchase food (from shops, others) (with interest)	_
[g] Take loans from micro-finance institutes to purchase food	_
[h] Eat crop seed which was stored to be used later in cultivation	_
[i] Sell (or exchange) any useable things of the household	_
[j] Get food by mortgaging land/property	_
[k] Get food by mortgaging any non-land asset	_

Food frequency: (READ)Now I would like to ask you about foods that the members of your household consumed at home. Could you please tell me how many days and in how much quantity in the past week your household has eaten the following food items, prepared and/or consumed at home and what the source of the food was?

Eaten in previous 7 days?			
	[3]	[4a]	[4b]
	Number of times eaten: Min=0 Max=21 (if eaten 3 meals a day for 7 days)	Quantity eaten (in the past week how much of the following items were consumed at home) <i>(Note for enumerators: If and only If the respondent don't know or is unsure of the quantity for certain items, please leave it blank)</i>	Unit 1=Kg 2=Litre 3=Pieces
[a] Rice	___	_____	___
[b] Wheat flour (Roti, Bread, noodles)	___	_____	___
[c] Maize and other cereals (e.g., millet, barley)	___	_____	___
[d] Potato and other root crops	___	_____	___
[e] Vegetables	___	_____	___
[f] Fruits/fruit juices (fresh and dry)	___	_____	___
[g] Pulses (Beans, lentils, peas)	___	_____	___
[h] Eggs	___	_____	___
[i] Meat (Mutton, etc)	___	_____	___
[j] Meat (Chicken, duck, pigeon, goat, etc)	___	_____	___
[k] Fish (fresh and dry)	___	_____	___
[l] Oil/fats (ghee, butter, veg oil)	___	_____	___
[m] Dairy products (milk, yogurt...)	___	_____	___

SECTION 10 - GENERAL INFO & HOUSING ASSET

	[1]	[2]	[3]	[4]
	Adults (age>16)		Child (age<16)	
	Males	Females	Males	Females
[T] Number of household members.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
[L] Number of literate members.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
[W] Number of working members.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

The following question concern the main house of the household, please consider the main house as the house where household members sleep.

[5] How many rooms are there in your main house?.....

[6] What is the main material for the walls of the main house?.....

1=Straw, bamboo 3=Plastic/fabrics 5=Metal sheet 7=Other _____
2=Earth 4=Bricks/cement 6=Wood

[7] What is the main material for the roof of the main house?.....

1=Straw, bamboo, hemp 4=Tiling 7=Other _____
2=Plastic sheet 5=Wood
3=Metal sheet, colocated iron 6=Cement

[8a] What is the main source of water used for drinking.....

[8b] bathing.....

01=Own tubewell 04=Other collective tubewell 07=River 10=Ditch 13=Other _____
02=Governement tubewe 05=Collective network 08=Own pond 11=Khal
03=Private tubewell 06=Private network 09=Other pond 12=Rain water harvest

[9] Do you have your own latrine?..... 1=Yes 0=No

[10] Do you have access to electricity in your househo 1=Yes 0=No

[11] At the current moment, what is your actual stock of paddy (home, storage or somewhere)

in maunds

[12] Last time, when you harvested and stored your aman paddy, how many months did the stock l

[13] For each month, indicate from where the paddy used for cooking was coming from primarily?

Consider it for
2014-15.

1=Own stock from harvest	Apr-May	[a] Boishak	<input type="text"/>	Oct-Nov	[g] Kartik	<input type="text"/>
2=Buy from market	May-June	[b] Joishthc	<input type="text"/>	Nov-Dec	[h] Ôgrohaeor	<input type="text"/>
3=Other _____	June-July	[c] Ashaḡh	<input type="text"/>	Dec-Jan	[i] Poush	<input type="text"/>
	July-Aug	[d] Srabon	<input type="text"/>	Jan-Feb	[j] Magh	<input type="text"/>
	Aug-Sept	[e] Bhadro	<input type="text"/>	Feb-March	[k] Falgun	<input type="text"/>
	Sept-Oct	[f] Ashshin	<input type="text"/>	March-Apr	[l] Choitro	<input type="text"/>

[14a] Which are the top 3 activities in terms of income for your household?..... 1st activity.....

[14b] 2nd activity.....

[14c] 3rd activity.....

1=Agriculture	7=Non agriculture related business
2=Aquaculture	8=Agricultural daily wage labor
3= Other farm incomes	9=Non agricultural daily wage labor
4=Governement service	10=Remittance incomes
5=Private service	11= Self-Employee
6=Agriculture related business	12=Others _____

SECTION 11 - ASSESTS

Does the household member own any of these items? (*Whoever is the owner*)

1=Yes 0=No

- | | |
|-----------------------------|----------------------------------|
| [1] Khat, palong..... _ | [13] Rickshaw van..... _ |
| [2] Chair..... _ | [14] Motorcycle..... _ |
| [3] Table, desk..... _ | [15] Plough..... _ |
| [4] Sofa..... _ | [16] Power tiller/tractor..... _ |
| [5] Almira/showcase..... _ | [17] Threshing machine..... _ |
| [6] Wooden/steel box..... _ | [18] Spray machine..... _ |
| [7] Radio..... _ | [19] Husking machine..... _ |
| [8] Television..... _ | [20] Tredle pump..... _ |
| [9] Sewing machine..... _ | [21] Manual pump..... _ |
| [10] Stove..... _ | [22] Solar panel..... _ |
| [11] Mobile phone..... _ | [23] Batery..... _ |
| [12] Bicycle..... _ | [24] Bank account..... _ |

How many of these items are own by the household?

- | | |
|----------------------------------|-------------------------|
| [25] Bullock..... _ _ | [30] Sheep..... _ _ |
| [26] Cow..... _ _ | [31] Pigeon..... _ _ _ |
| [27] Calf (less 1 year)..... _ _ | [32] Chicken..... _ _ _ |
| [28] Buffalo..... _ _ | [33] Duck..... _ _ |
| [29] Goat..... _ _ | [34] Goose..... _ _ |

SECTION 12 - For Interviewer only

- [1] How was the respondent during the interview?|_|

1=Cooperative 2=Interested 3=Uninterested 4=Off-hand in responding

- [2] Did the interviewer feel that he/she was getting thoughtful and realistic responses?|_|

1=Yes 0=No

- [3] Were some other issues raised, or did anything worth mentioning take place during the interview?
