HOUSEHOLD SURVEY QUESTIONNAIRE

JEEViKA-IRAP: Integration of Climate Information into JEEViKA for Climate Resilient

Livelihood: Baseline Survey

2016

Introduction

We are a group researchers and we are interested in understanding rural livelihoods in Bihar. We are asking many households all over Bihar to participate in this study. Your participation is voluntary. During our interview, we would like to ask the chief decision maker in the household, or in his/her absence, a responsible adult about various aspects of your family and livelihood activities.

[***Instruction to Interviewer****: Please ask for an interview with the head of the household (by asking for the chief decision maker) or, in his/her absence, a responsible adult. If no responsible adult is available, stop the interview and ask for a later convenient time at which the head of the household or other responsible adult will be available*]

You may choose not to reply any of the questions I ask you. If you decide to answer some or all of the questions, we will use the information you give us only for the purpose of research. People will be able to learn about the livelihood situation of people in rural Bihar, but not what you personally said. Do you agree to participate?

_____ (if yes, continue; if no, stop interview)

0.1 Why refused to participate (only if a reason is given; do not ask)

_____

Section 1. Location and Household Identification

101. Household No.: _____

102. Name of District

Darbhanga	1
East/West Champaran	2
Nawada	3
Jehanabad	4

103. Name of Block

Darbhanga	Block 1:	01
	Block 2:	02
	Block 3:	03
Vaishali	Block 1:	04
	Block 2:	05
	Block 3:	06
Nawada	Block 1:	07
	Block 2:	08
	Block 3:	09
Jehanabad	Block 1:	10
	Block 2:	11
	Block 3:	12

104. Name of Gram Panchayat: _____

105. Gram Panchayat Code (**use list**): _____

106. Name of Village: _____

107. Village Code (**use list**): _____

108. Name of Tola: _____

109. Tola ID No: _____

110. Name of Respondent: _____

111. Address of the household: _____

_____

_____

[***Instruction to Interviewer**: Probe the identity of the household head by asking the main decision maker of issues such as marital alliances, migration, and borrowing.*]

SECTION 2: Household Roster and Demographic Information

Interviewer: First I would like to ask who the members of this household are. By that I mean all people, including children, who:

1. lived under this "roof" or within the same house for at least 30 days during the last 12 months and are expected to continue doing so (includes children away at school and men who migrate to work)
2. when they are together, they share food from a common kitchen
3. contribute to and/or share in a common resource pool.

201	**202**	**203**	**204**	**205**	**206**	**207**	**208**	**209**	**210**	**211**	**212**	**213**
ID Code	Name of HH member (Starting from head of HH)	Sex of Name **M=1 F=2**	Relati-onship of Name to HH Head	Age of Name **(0 if less than 1 year)**	Marital Status of Name **(use code sheet)**	Spouse ID of Name **(use code sheet of Q 201)**	In the last year, for how many months was Name present in the HH?	Can Name write his/her own name? **Yes=1 No=2**	**If Age over 5** Has Name ever attende d school? **Yes=1 NO=2**	**If attended school** What is the highest grade Name completed **(0 if less than 1)**	**If age 5-18** Is Name enrolled in school currentl y **Yes=1 No=2**	**If 2 in Q. 212** Why does Name not go to school? **(use code sheet)**

201	**202**	**203**	**204**	**205**	**206**	**207**	**208**	**209**	**210**	**211**	**212**	**213**
ID Code	Name of HH member (Starting from head of HH)	Sex of Name **M=1 F=2**	Relati-onship of Name to HH Head	Age of Name **(0 if less than 1 year)**	Marital Status of Name **(use code sheet)**	Spouse ID of Name **(use code sheet of Q 201)**	In the last year, for how many months was Name present in the HH?	Can Name write his/her own name? **Yes=1 No=2**	**If Age over 5** Has Name ever attended school? **Yes=1 NO=2**	**If attended school** What is the highest grade Name completed **(0 if less than 1)**	**If age 5-18** Is Name enrolled in school currently **Yes=1 No=2**	**If 2 in Q. 212** Why does Name not go to school? **(use code sheet)**

HH Roster Codes (Applicable to Section II)

Q 204. Relationship to HH Head	Q 206. Marital Status	Q 211. Education Level	Q 213. Reason for Not Attending School
Head=1	Married = 1	Primary (Class I to V) = 1	School too far away = 1
Wife/Husband=2	Unmarried =2	Middle (Class VI to VIII) = 2	No Transport = 2
Son/Daughter=3	Widowed = 3	Secondary/High School (Class IX to X) = 3	Further education not needed = 3
Daughter-in-law/Son-in-law=4	Separated/Deserted = 4	Senior Secondary/10+2 school (Class XI to XII) = 4	Needed for housework = 4
Grandchild=5	Divorced =5	Under graduate = 5	Needed for Farm/Family business = 5
Father/Mother=6	Married no gauna (not cohabiting) = 6	Graduate and above/Degree holders (BA, BSC, BTech, BCA, BBA) = 6	Needed for outside work = 6
Brother/Sister=7	Others (specify) =88	Vocational training = 7	School costs too much = 7
Father-in-law/mother-in-law=8		Others (specify) =88	No proper school facilities for girls = 8
Nephew/Niece=9		Don't know = 99	Not safe for girls =9
Brother-in-law/sister-in-law=10			Got married =10
Adopted/foster/step child=11			Needed to look after siblings = 11
Other relatives=12			Not interested in studies = 12
Servant=13			Not of school going age = 13
Others (specify)=88			Don't know = 14
			Others (specify) = 88

214. What is your Caste?

SC	1
ST	2
OBC	3
EBC	4
General	5

215. What is your Religion?

Hindu	1
Muslim	2
Christian	3
Buddhist	4
Jain	5
Sikh	6
Other (Specify)	88

Section 3. Livelihood (Income Generating Activities) Roster

{Instruction to Interviewer: Please list all members of the HH aged 15-70 from HH roster in 302 first, and then proceed. Use codes from code sheet for livelihood**}**

301	**302**	**303**		**304**	**305**	**306**	**307**	**308**	**309**	**310**	**311**
Copy ID From Section 201 to match Name ID code	Name of HH member	Does NAME work in any productive activity (like on-farm, or in business) or earn income cash/kind from outside **Yes =1** **No = 2**	(**only if response is Yes=1 in corresponding cell of previous question)** **Interviewer:** Ask for 2 main income generating activities by each member, order by amount of income generated	(Order activities by amount of income generated) What were NAME's 2 main income generating activities in the last Kharif Season?	Location of Activity	(Order activities by amount of income generated) What were NAME's 2 main income generating activities in the last Rabi Season?	Location of Activity	(Order activities by amount of income generated) What were NAME's 2 main income generating activities in the last Zaid/Chai or Baisakh Season?	Location of Activity	Does NAME have a MGNREGA job card? **Yes=1** **No=2**	**(If Yes in Q. 310)** In the last year, how many days of work did NAME get under MGNREGA job card? **(No. of days)**
			Main source								
			Secondary source								
			Main source								
			Secondary source								
			Main source								
			Secondary source								
			Main source								
			Secondary source								
			Main source								
			Secondary source								
			Main source								
			Secondary source								

Livelihood Roster Codes: (Applicable to Section III)

For Q304, 306, and 308 Activity Codes:		Location Codes (For Q305, 307, 309)	
Cultivation on own land	=1	Work in own village	=1
Cultivation on leased land	=2	Work in other place, commute daily	=2
Casual agricultural wage labor (*paid on a daily basis in cash or kind*)	=3	Work in other place, commute weekly	=3
Regular agricultural wage labor (*paid on a weekly/bi-weekly basis in cash or kind*)	=4	Work in other place, commute monthly	= 4
Husbandry of (owned or leased) animals	=5	Others (Specify)	=88
Casual non-agricultural wage labor (*paid on a daily basis in cash or kind*)	=6	**SEASONS**	
Regular non-agricultural wage labor (*Paid on a weekly/bi-weekly basis in cash or kind*)	=7	1. **Kharif**: Monsoon months (June to October)	
Salaried work (*Paid on a Monthly basis, only in cash*)	=8	2. **Rabi**: Winter months (Dec to March/April)	
Non-agricultural business	=9	3. **Zaid/Chait/Baisakh**: Short summer season between Rabi and Kharif mainly from April to June	
Labor in repayment of loan	=10		
Others (Specify)	=88		

Section 4: Housing Information

Question	Response Category	Coded Category
401. Approximately, what is the size of the plot on which your house is built (In Kathas)	----------	
402. What is the current ownership status of your house?	Owned	1
	Owned but mortgaged	2
	Tenant (paying cash)	3
	Tenant (paying in kind)	4
	Other (specify)	88
403. What is the main material of the roof (**interviewer observation**)?	Kutcha Tiles	1
	Bamboo/leaves	2
	Bricks	3
	Cement	4
	Asbestos	5
	Other (Specify)	88
404. What is the main material of the floor (**interviewer observe if possible**)	Mud	1
	Bamboo/Leaves	2
	Bricks	3
	Cement	4
	Other (Specify)	88
405. What is the main material of the walls (**interviewer observation**)	Mud	1
	Bamboo/Leaves	2
	Bricks	3
	Cement	4
	Other (Specify)	88
406. Did you get this house under the Indira Aavas Yojna?	Yes	1
	No	2
407. How many rooms in your house are used for sleeping?	_____	
408. What kind of toilet facility do members of your usually use?	Open fields	1
	Pit latrine outside house	2
	Pit latrine inside house	3
	Flush toilet outside house	4
	Flush toilet inside house	5
	Community toilet	6

Note: Covered means the hole is covered when the latrine not in use. Flush means that a pipe with water in it separates the user from the pit.

Section 5: Land Ownership

Question	Response Category
501. Besides your house, do you own any agricultural land?	Yes = 1 No = 2
502. (**If Yes in 501**) How much agricultural land do you own? (in Kathas)	_____
503. (**If Yes in 501)** Is any of your land irrigated?	Yes = 1 No = 2
504. (**If Yes in 503)** How much of the land that you own is irrigated? (in Kathas)	_____
505. (**If Yes in 501)** Have you mortgaged any land?	Yes = 1 No = 2
506. (**If Yes in 505)** How much of your land is mortgaged? (in Kathas)	_____
507. In the last 12 months, did you lease in any land?	Yes = 1 No = 2
508. (**If Yes in 507)** In the last 12 months, how much land did you lease in? (in Kathas)	_____
509. (**If Yes in 507)** Under which scheme did you lease in land (in Kathas)	Patta = 1 Bataiya = 2 Mani = 3 Other (Specify) = 88

Section 6: Asset Ownership

6A. Production Assets

{Instruction to Interviewer: Do you own any (go through list)...For each item to which answer is Yes, ask how many.}

Item	**6A1.** Does the HH own ITEM? (**YES=1, NO= 2**)	**6A2.** How many are owned?
1. Cows		
2. Buffalos		
3. Bullocks		
4. Goats		
5. Pigs		
6. Donkeys		
7. Poultry		
8. Pump sets		
9. Bullock Carts		
10. Tractors		
11. Power Tiller		
12. Thresher		
13. Plough		
14. Inverter		
15. Other Asset (Specify)		
16. Chai-Paan Dukan		
17. General/Kirana Store		
18. Tailoring Shop		
19. Workshop		
20. Other Shop (Specify)		

6B. Consumption Assets

	6B1. Does the HH own ITEM? (**YES=1, NO= 2**)	6B2. How many are owned?
1. Electric fan		
2. Chair		
3. Bed/Cot		
4. TV		
5. Radio/Transistor		
6. Refrigerator		
7. Mobile phone		
8. Kerosene stove		
9. Kerosene lamp		
10. Clock/watch		
11. Sewing machine		
12. Almirah/chest		
13. Bicyle		
14. Two-wheeler		
15. Jewelery (in Rupees)		

Section 7: Consumption Exigencies

7A. Food Security

Question	Response Category	Coded Category
7A.1. How many times did the members of your household eat yesterday (those who were at home)?	----------	
7A.2. Over the past 12 months, was there always enough food for all family members to have at least two meals every day?	Yes---------- No----------	1 2
7A.3. (**If No in 7A.2**) How many weeks was there not enough food?	----------	
7A.4. ((**If No in 7A.2**) During the period of food scarcity this past year, how severe was food shortage?	Every night, some/all family members went to bed hungry---- Only on some nights, some/all family members went to bed hungry---------- No family members ever went to bed hungry---------- Other (Specify)----------	1 2 3 88
7A.5. Did you need to sell any assets to buy food in the last 12 months?	Yes---------- No----------	1 2
7A.6. Did you need to borrow money to buy food in the last 12 months?	Yes---------- No----------	1 2

7B. Health Security

Question	Response Category	Coded Category
7B.1. During the past 12 months, did your family have to spend more than Rs. 500 on **any one** person's sickness?	Yes---------- No----------	1 2
7B.2. (**If Yes in 7B.1.)** On how many separate occasions did your family have to bear such expenses greater than Rs. 500?	----------	
7B.3. Did you need to sell any assets to meet health expenses in the last 12 months?	Yes---------- No----------	1 2
7B.4. Did you need to borrow money to meet health expenses in the last 12 months?	Yes---------- No----------	1 2

Section VIII. Debt and Saving Habits

{**Instruction to Interviewer**: Please explain the concept of **separate outstanding loans**. A loan would be considered outstanding if there is principal to be repaid and/or interest to be repaid and/or a mortgaged asset to be released. Two outstanding loans would be considered separate if they were taken from different sources, or at different times.}

8A. Debt Situation

Question	**Response Category**	**Coding Category**
8A.1. Does anyone in the household have one or more outstanding loans taken during the last 12 months or before that period?	Yes---------- No----------	1 2
8A.2. (**If Yes in 8A.1**) How many separate outstanding loans does the household have?	----------	

8B. Current Debt Information

{Instruction to Interviewer: Please ask about each outstanding loan and fill up the corresponding details. Move to next loan and fill up likewise.}

8B.1 Loan ID	**8B.2.** ID of HH member who took the loan (**from Section 201**)	**8B.3** For each outstanding loan, how much was borrowed? (**In Rupees**)	**8B.4** How much is the monthly interest rate on this loan?	**8B.5** Who provided this loan? (Use the code provided **BELOW)**	**8B.6** When was this loan taken? (**Month/ Year**)	**8B.7** Was any collateral provided or this loan? **Yes=1 N0=2**	**8B.8** What was the purpose of taking this loan? (Use codes provided to the **RIGHT)**	**Codes for purpose of loan**
1								Health Emergency =1
2								Dowry/Wedding Expenses =2
3								Food Purchase =3
4								Pay another debt =4
5								House repairs =5
6								Purchase of HH durables =6
7								Purchase of machinery = 7
8								Purchase of livestock =8
9								Business =9 School Fees =10 Other (Specify) =88

Code for Lender: Moneylender =1; Bank = 2; SHG = 3; NGO =4; Friend/Relative =5; Other (Specify: _____)

8B.9. How much money do members of the household owe on ALL outstanding loans to moneylenders and/or traders? (In Rupees): _____

8C. Saving Habit and Dynamics

Question	Response Category	Response Category Code	Go To
8C.1. Were you able to make any savings at all during this year, in 2016?	YES---------- NO ----------	1 → 2	8C.2.
8C.2. During this year, where did you deposit your savings?	In-House---------- Relative/Friend ---------- Post Office ---------- Sahara ---------- SHG ---------- Bank ---------- Others ---------- Don't know/Recall ----------	1 2 3 4 5 6 7 99	
8C.3. One year ago, during 2015, were you able to make any savings at all?	YES---------- NO ----------	1 → 2	8C.4
8C.4. During 2015, where did you deposit your savings?	In-House ---------- Relative/Friend ---------- Post Office ---------- Sahara ---------- SHG ---------- Bank ---------- Others ---------- Don't know/Recall----------	1 2 3 4 5 6 7 99	
8C.5. Two years ago, during 2014, were you able to make any savings at all?	YES---------- NO ----------	1 → 2	8C.6
8C.6. During 2014, where did you deposit your savings?	In-House---------- Relative/Friend ---------- Post Office ---------- Sahara ---------- SHG ---------- Bank ---------- Others ---------- Don't know/Recall ----------	1 2 3 4 5 6 7 99	

Section 9. Weather and Climate Information

9A. Access

Source	**9A.1.** Did you receive information about the forecasted date of onset of rainy/Monsoon season from this [source]? **Yes = 1 No = 2**	**9A.2. (If Yes in 9A.1)** How would you classify the forecasted rainfall for this season from this [source]? **Poor rain = 1 Good rain =2 Heavy rain =3**	**9A.3. (If Yes in 9A.1)** Was the forecast of expected rain accurate? **Yes = 1 No = 2**	**9A.4.** Did you receive information about the forecasted amount of rain from this [source] before the planting season? **Yes =1 No = 2**	**9A.5.** How often did you get weather/climate forecasts from this [source]? **Per Day = 1 Weekly = 2 Monthly = 3 Season = 4 I don't recall = 5 Others = 88**	**9A.6.** Did you use any of the information received from this [source] in agricultural decisions? **Yes = 1 No = 2**
1. Ag Extension						
2. NGO						
3. Cooperative						
4. Producer's Association						
5. Neighbor/Relative						
6. TV/Radio						
7. Mobile Phone Service						
8. Paper Media						
9. SHG/Jeevika						
10. Other (Specify:_____)						

9B. Long-term Changes in Weather/Climate and Adaptation Undertaken

[**Change**]	9B1. Over the last 5 years have you noticed [change]? **Yes =1** **No = 2**		[**Adaptation**]	9B2. Has your HH made these [Adaptation] in response to long-term shifts in temperature? **Yes= 1** **No =2**	9B3. Has your HH made these [Adaptation] in response to long-term shifts in rainfall? **Yes =1** **No =2**
1. Increase in rain (Yes=1, No= 2)			1. Changed crop variety----------		
2. More frequent droughts (Yes =1, No=2)			2. Built water harvesting scheme----------		
3. More frequent floods (Yes =1, No =2)			3. Planted shade trees----------		
4. Delay in the start of rainy/Monsoon seasons (Yes = 1, No =2)			4. Irrigated more ----------		
5. The rainy/Monsoon seasons end sooner (Yes =1, No =2)			5. Changed from crop to livestock ----------		
6. Increase in number of hot days (Yes =1, No =2)			6. Increased number of livestock----------		
7. More frequent Cyclone (Yes =1, No =2)			7. Reduced number of livestock----------		
			8. Migrated another area----------		
			9. Found off-Farm jobs ----------		
			10. Leased your land ----------		
			11. Bought insurance ----------		

9C. Household's Recall of Rainy/Monsoon Season

Question	Response/Code
9C1. In your view did the Monsoon/rainy season begin early, on time, or late this year, in 2016?	Early = 1 On Time = 2 Late = 3
9C2. In which month did the Monsoon/rainy season begin this year, in 2016?	January = 1 February =2 March =3 April =4 May = 5 June = 6 July = 7 August =8 September = 9 October =10 November =11 December = 12
9C3. In your view did the Monsoon/rainy season begin early, on time, or late in 2015?	Early = 1 On Time = 2 Late = 3
9C4. In which month did the Monsoon/rainy season begin in 2015?	January = 1 February =2 March =3 April =4 May = 5 June = 6 July = 7 August =8 September = 9 October =10 November =11 December = 12
9C5. How would you characterize the amount of rain in the rainy/Monsoon season in 2015 relative to the average rainy/Monsoon season?	Slightly below average = 1 Below average = 2 Average = 3 Slightly above average = 4 Significantly above average = 5 Don't know = 6
9C6. In which month in the rainy/monsoon season in 2015 did you get the most rain?	January = 1 February =2 March =3 April =4 May = 5 June = 6 July = 7 August =8 September = 9 October =10 November =11 December = 12

9D. Preference for Weather/Climate Forecast Information

9D1. Do you consider weather/climate forecast information into your HH Ag decisions?

YES = 1 No = 2

9D2. Would you like to receive weather/climate forecast information before the next crop season?

YES = 1 No = 2

9D3. For weather/climate forecast information to be useful to you, how many weeks in advance do you need to receive the information? _____

9D4. Which of the following mediums would you prefer to receive the weather/climate forecast information? (Select all that apply)

Radio	= 1	Neighbors/Relatives	= 5
TV	= 2	Members of your SHG	= 6
Newspaper	= 3	Producers group	= 7
Mobile Phone SMS	= 4	Ag Extension Services	= 8
		Jeevika Staff	= 9
		SHG/VO	=10

9D5. What kind of weather/climate information will be useful to you? (Select all that apply)

Rain forecast = 1	Temperature forecast = 2
Drought forecast = 3	Flood Forecast = 4
Cyclone forecast = 5	Onset of Monsoon forecast = 6

9D6. What type of weather/climate forecast information will be useful to you? (Check all that apply)

Forecast for next few days	= 1
Forecast for next week	= 2
Forecast for next two weeks	= 3
Forecast for next month	= 4
Seasonal forecast	= 5
Other (specify_____)	= 6

Section 10: Awareness, Social Network, Social Capital

10.1.	What is the name of your Gram Panchayat?	_____
10.2.	What is the name of your Gram Panchayat Pradhan?	_____
10.3.	What is the name of the GP member in your village?	_____
10.4.	Does your GP fall in a reserved category?	1. Yes, reservation by gender 2. Yes, reservation by SC/ST 3. No 9. Don't Know/Can't Say
10.5.	Do you attend local Panchayat meetings?	Yes = 1 No = 2
10.6.	Do you attend any other community meetings?	Yes = 1 No = 2
10.7.	Do you attend political meetings / attend political rallies?	Yes = 1 No = 2
10.8.	Are you a member of the following groups?	
	a. Labor union	Yes =1 No = 2
	b. Youth club	Yes =1 No = 2
	c. Farmers union	Yes =1 No = 2
	d. Religious group	Yes =1 No =2
	e. Savings / Credit group	Yes =1 No =2
	f. Political group	Yes =1 No =2
	g. Sports group	Yes =1 No =2
	h. Volunteer service group	Yes =1 No =2
10.9.	Have you participated in any of the following in the past 6 months?	
	a. Road brushing to improve the community hygiene & sanitation	Yes =1 No =2

	b. Cutting of the bush along the road to make it navigable	Yes =1	No =2
	c. Free labor for community project	Yes =1	No =2
	d. Disaster relief work in natural calamities	Yes =1	No =2

10.10	How much of trust/confidence do you have in the following?			
	Institution	**A great deal of confidence = 1**	**Only some confidence = 2**	**Hardly any confidence = 3**
	a. Panchayat to implement public works			
	b. Local governments, other than Panchayat, to act quickly in the event of natural disasters (e.g. floods)?			
	c. Public health service (SHCs, PHCs, ASHA workers, Hospitals, Doctors etc.) to provide good treatment			
	d. Banks to keep money safe			
	e. Police to enforce the law			
10.11.	**People**	**A great deal of confidence = 1**	**Only some confidence = 2**	**Hardly any confidence = 3**
	a. Neighbors when you need their help			
	b. Relatives when you need their help			
	c. Community when you need help			
	d. Your Social group when you need help			

SECTION 11. SHG Membership Information

Question	Response Category	Response Category Code	To Go
11.1. Are any HH members presently a member of any Jeevika SHG?	Yes---------- No----------	1→ 2→	Q11.11 to 11.14. Q11.2.
11.11. Information about the Member and SHG	11.12. Member ID: (**from Section 201**) 11.13. Member Name:	11.14. Name of SHG: ----------	
11.2. Were any HH members ever a member of Jeevika SHG?	Yes---------- No----------	1→ 2→	Q.11.21 to 11.24.
11.21. Information about the Member and SGH	11.22. Name:	11.23. Name of SHG: ----------	11.24. What was the main reason for Name existing SHG? Cannot afford regular saving = 1 Regular attendance not possible = 2 Pressure from family members = 3 Conflict with SHG's members = 4 SHG did not provide loans = 5 SHG was dissolved = 6 Don't know/Recall = 88

Section 12. Interviewer Observations

12.1. Name of Interviewer: _____

12.2. Gender Interviewer: Male = 1 Female = 2 12.3. Age of Interviewer: _____

Interviewer: Please feel free to provide your Remarks/Observations, if any, in the space below:

Signature: **Date:**