Gender and Social Dynamics of Migration in Rice-Based Systems

Enumerator's name	Date of interview	
Interview start time		

1. Basic information

Respondent details for reference in cases for data verification or for future research study. This includes name, location, GPS co-ordinates etc.

State:	Bihar
Division:	
District:	
Block:	
Village:	
Household ID:	
Respondent's Name:	
Respondent's Mobile Number:	11 digits limit in surveybe
Religion:	(1)Hindu (2) Muslim (3) Christian (4) Others (Specify)
Caste:	(1) Scheduled Caste (2) Scheduled Tribe (3) Other Backward Classes (4) General (5) Others, specify
Does the household have a BPL card/status?	(1) Yes (2) No
GPS Coordinates:	
Reading 1 :	Longitude: Latitude: Latitude:Accuracy (should be less than 8):
Reading 2:	Longitude: Latitude: Latitude: Accuracy (should be less than 8):

2. Household demographics

2.1. Demographics: This section collects the information on household's composition and its members' socio-demographic characteristics. Household members include family and non-family members who are living permanently in the house and taking food from the same kitchen and, those who have migrated but sending remittance to the household.

Me	Name	Age	Sex	Relation	Who is the	Number	ls	Marita	Does	Who	Who among	How many	Primary	Years in	Aside from	Years in
m	(Including	(In	а	to	respondent	of years	he/she	I	the	among	the members	months in	Occupation	the	his/her	the
No	the	complete		househol	? (Tick box)	attende	currentl	Status ^c	membe	the	is currently	the last 1	d	job/work	primary	job/wor
	respondent	d years)		d head ^b		d school	у		r help in	househol	away from	year was			occupation	k
	; Start with					(If age 5	enrolled		the	d had	the	<i>name</i> away			, is there	
	the					years or	in		farm?	gone	household?	from the		lf 'None',	any other	(If age
	household					older)	school?		1-Yes	away	1-Yes	household		how long	income-	10 years
	head)								2-No	from the	2-No	?		the	generating	or older)
										househol	(If yes,	(If >=3		member	work the	
										d as a	answer next	months,		has been	member is	
										migrant	question.	answer		without	doing? If	
										for work	Proceed to	next table.		any	yes,	
										in the last	Laboursectio	Proceed to		work?	specify. ^d	
										5 years?	n otherwise)	Labour				
										(Tick box)						

											sect other	-		(If age 10 years or older)		
1				(1) elf/HH head												
2																
3																
4																
n																
Codes:	:															
aSex					tal Status		y Occupatio					(16) Dr				
(1) M		(1) Currently Married (1) Rice/ Paddy production (17) Call center, com					nputer repair	, and other IT	work							
• •	emale		(2) Unmarried (2) Other crop farming (e.g., maize, millets, vegetable, other crops) (18) Domestic worker					ker/ Household helper on another								
(3) O	thers				parated		ing/Aquacu					-	ousehold			
h- 1		_			vorced		stock rearin	-				. ,		• •	orker in hotels	s, restaurants
	tion to HH hea	d			idowed	• •	n family lab							urity guards,	etc.)	
• •	Self/HH head			(6) Ot	hers, specify				/ Hired agricultural lab			. ,	tired/Pensio	ner		
	Spouse							-reselling	agri products, agri input	ts, other agri-relat	ted	(21) Stu				
• •	Son/Daughter						ducts	<u> </u>				(22) No				
	Brother/Sister						-	-	oyed business (wholesa	le/retail trade)					RMINED BY TI	
• •	Father/Mother						ck making/								TY. FOR EXAM	
	Grand son/Grar						-	-	ss/ Weaving						NSFARMING	
	Son-in-law/Dau Brother-in-law/					(11) Other self-employed businessMOST OF THE TIME IS SPENT / LABOURER ON SOMEONE'S F/(12) Factory worker- tailoring, weaving, handicraft, etc.LABOURER ON SOMEONE'S F/										
	Grand father/G						struction la	-	weaving, nanuicidit, e	ιι.					CORDINGLY, T	
	Nephew/Niece					• •			als (e.g. doctor lawve	r dentist related	iohs)		PATION IS FA			
	•	ive male/femal	e memher			 (14) Self-employed professionals (e.g., doctor, lawyer, dentist, related jobs) (15) Professional salaried job (teacher, govt employee, engineer) 										

2.2. *Migration incidence*: Ask these questions only for members who migrated away for at least 3 months and are currently away. (Autofill from Table 2.1)

Mem	Name of	Relation	Year of	Year of	Destination ^a	If destination is	What were the	Why did the member	Who in household	How did	Does the	Number of
No	migrant		recent	first time		outside Bihar or	reasons for	migrate in	decided that the	the	migrant know	times the
	member		migration	migration		India, specify	[name]'s	[destination], and not	member should	migrant	anyone at the	migrant
						name of state	migration?	elsewhere or work in	migrate? ^d (Tick the	learn	destination? If	visited home
						or country	(Multiple	their village?	primary one. Probe	about the	yes, who? ^f	in the last 12
							response	(Multiple response	whether it is decided by	job? ^e		months?
							possible) ^{b*}	possible) ^c	self or someone else in			
									the household.)			

*This is a multiple response question. Allow the respondent to tell all possible reasons why the member/s in the household migrated. Reasons for migration are interrelated. For example, it is likely that respondent would say, "We are so poor... income from farming is very low nowadays. It is not enough to feed the size of our household. So my son has to go in the city for work" As the respondent narrates, select all reasons that apply. In the example given, reasons would be "1- To work/ find work; 3- Poor farm production...; 4- Being poor; 5- Large family size".

couc.	5								
^a Des	stination	₽₿	easons for migration (Push)	6.	We are in debt; need to pay outstanding	٢Re	asons for migration (Pull)	6.	Someone referred about the
1.	Within Bihar	1.	To work/ find work		loans	1.	Higher salary		destination
2.	Outside	2.	Low salary/ wage in our area	7.	To finance children's/ member's education	2.	Better and more jobs available	7.	Spouse lives there
	Bihar	3.	Poor farm production; low farm	8.	To finance medical needs of sick member	3.	Near our household	8.	Better universities
3.	Outside India		income	9.	For marriage	4.	Many people from our area go and work	9.	No school available near our village
		4.	Being poor	10.	For study		there	10	Others, specify
		5.	Large family size	11.	Others, specify	5.	Know someone in the destination		

dMem	Name of	Relation	Who in household decided that the	^e Job information	^f Migrant's	^g Remittance channel	^h Goods remittance	ⁱ Goods remittance
No	members		member should migrate? If self-decision,	source	network	1. Cash while visiting	1. Food packages (milk	channel
	including		tick migrant's name. (Tick only one)	1- Family member	1- No	2. Bank	products, chocolates,	1. Delivered
	migrants			2- Relative	2- Relative	3. ATM card (own)	etc.)	during
1				3- Friends	3- Friend	4. Through	2. Cellphones	migrant's visit
2				4- Ads- TV, radio,	4- Others,	relatives/friends	3. Clothes and footwear	2. Via Courier
3				newspaper	specify	5. Western Union/ online	4. Jewelries	3. Through
4				5- Online-		money transfer	5. Cosmetics	relatives/
n				facebook, etc.		6. Others, specify	6. Others, specify	friends
				6- Recruitment				4. Others, specify
				agency				
				7- Others, specify				

2.3. Remittance (Autofilled from Table 2.1)

Mem	Name	Relation	Total	How many	How did the	Were any	Did the household	How did	Did the household	Who in the	Who in the	How was
No	of		amount of	times did	household	costs	receive any goods	the	send money to the	household received	household decided	[migrant]'s
	migrant		remittance	the	receive the	incurred to	(e.g. cellphones,	household	migrant in the last	[migrant]'s	on the use of	remittance used in
	member		(in 1 year)	migrant	remittance? ^g	receive the	clothes) from	receive	12 months? If yes,	remittance? (Tick	remittance? If the	the last 12 months
			sent to the	send		cash	[migrant] in the	the	how much money	box; multiple	migrant decides,	used? Please
			household	remittance		remittance?	last 12 months?	goods? ⁱ	was sent to the	responses possible) ^j	tick his/ her name.	estimate how much
			in the last	in last 12		If none,	What are they?		migrant? (Rupees)		(Tick box; multiple	was spent on each
			12 months	months?		enter '0'.	(Multiple		If none, enter '0'.		response possible) ^k	item. ¹
			(Rupees)			(If	response					
						channel==2,	possible) ^h					
						4, 5)						
1												
2												
n												

Codes:

Mem No	Name of members	Relation	^j Who in the household received [migrant]'s remittance? (Tick box; multiple responses possible) (Excluding migrants)	^k Who in the household decided on the use of remittance? If the migrant decides, tick his/ her name. (Tick box; multiple response possible) (Including migrants)
1				
2				
3				
4				
n				

¹How was remittance used in the last 12 months used? Please estimate how much was spent on each item.

Use of remittance	Was remittance spent for the following purposes? (Tick box)	Please estimate how much was spent to each purpose? (If ticked)*
Major food groups (carbohydrates, protein, fruits/ veggies, milk/ dairy	0	
products)		
Other food items including alcohols, beers,	0	
School/ education expenses	\bigcirc	
Health e.g. medicines, doctor's visits/ consultation,	\bigcirc	
Utilities e.g. electricity, water, gas	\bigcirc	
Social purposes e.g. weddings, deaths, festivals,	\bigcirc	
House construction/ reconstruction	\bigcirc	
Opening a business	\bigcirc	
Farm material inputs e.g. fertilizer, pesticides, seeds	\bigcirc	
Buying machinery	\bigcirc	
Buying agricultural land	\bigcirc	
Buying agricultural land	\bigcirc	
Buying homestead land	\bigcirc	
Buying livestock	\bigcirc	
Purchase of household assets (cellphone, refrigerator, tv, vehicle etc.)	\bigcirc	
Loan repayment	\bigcirc	
Savings	\bigcirc	
Others specify	0	

*Total amount should be equal to amount of remittances received by the household for all migrants.

3. Labour Use during Kharif 2019

Before migration (Only if	f the household has a migrant)					
Farm Activity	Who in the household were doing the [farm activity] before the member migrated?	Did you use machinery in doing these	Did you hire labour for the following			
	Emphasize: What are the activities that the migrant was helping with before? (In relation to	activities? Was the machine rented or own?	activities	?		
	HH head; multiple responses possible; select members from Member roster) ^a	1-Yes, rented; 2-Yes, own; 3-No	How	Composition ^b	Where are	
			many?		they from? ^c	
Seedbed preparation						
Land preparation						
Transplanting						
Fertilizer application						

Pesticide application			
Handweeding			
Harvesting and threshing			
Hauling			
Post-harvest (including drying, storage, processing)			
drying, storage,			
processing)			

Currently											Only if the hous	ehold has	migrant
Farm Activity		Family Labour					Did you use machinery in doing	-		our for the	What farming a		
							these activities? Is the machine	following activit		es?	migrant help with when he/she visited		
	Who in the household did this farm activity? (In		Mal	Male Female		ale	rented or own? 1-Yes, rented;	How many?		Where are	the household?		•
	relation to HH head; multip			Hour	Day	Hour	2-Yes, own; 3-No			they	term migrants h	• •	
	select members from Mem	ber roster excluding	,		,			Male	Female	from? ^c	(For short-term,	seasonal ı	migrant
	international migrants) ^a							mare	. cintaite		household)		
											1-Yes 2-No		
Seedbed prepa	aration												
Land preparat	tion												
Transplanting													
Fertilizer appli	ication												
Pesticide appli	ication												
Handweeding													
Harvesting and	d												
threshing													
Hauling													
Post-harvest													
(including dryi	ing,												
storage, proce	essing)												
Codes:													
^a Mem No Na	lame of members including migrants	Relation Please t	ick ^b Hir	edlabou	r comp	osition	^c Residence of hired laboure	rs ^d M	em No 🛛 N	ame of short-	term migrants	Relation	1-Yes 2-No

"Iviem No	Name of members including migrants	Relation	Please tick	"Hirediabour composition	*Residence of nired labourers	"iviem ivo	Name of short-term migrants	Relation	1-Yes 2-INO
1				1. Only male	1- Within village	1			
2				 Only female Mixed, but more males 	2- Other village3- Both	2			
3				4. Mixed, but more females		3			
4						4			
n						n			

4. Time allocation-

Record all the activities, including even small activities such as travelling, walking to market, chatting with family/friends, overseeing children/ seniors in the family, watching TV etc., that you were doing yesterday from when you woke up until you went to sleep. Ask both the Husband and Wife of the household. If the husband is away, ask for other male member in the household of same age involved in rice farming. If the wife is away, ask for other female member in the household of the same age.

If the activity is done outside home, be able to capture the traveling activity. Activity is Travel, then further identify in 'Location' whether 'travel by walk' or 'travel by car'.

Record other activities that the wife or the husband is doing along with his/her main task. For example, the wife maybe cooking food for dinner while keeping an eye on children and washing dishes. In this case, the main activity is "Cooking/preparing meals and snacks", while secondary activities are "Watching or being an adult present for children, elderly, disabled, ill" and "Washing dishes". If the respondent cannot decide on which is the main activity, decide which one demanded most of his/her attention or has the longest time.

Input the 3-digit codes presented in the table to answer the main and secondary activities of the member.

For whom in the household: Ask for whom the activity was done for. Is it for your own household, for other household, hired labourers, or the community. Further ask whether this is a paid (either in cash or in kind) or unpaid activity.

FEMALE MEMBER									MALE MEMBER												
Time		What were	What else	Time spent on	Persons h assisted ir	-	For whom in	Locatio you?	on. Whei	re were	Time		What were	What else	Time spent on	Persons assisted	•	For whom in	Locati you?	on. Whe	re were
Fro m	T	you doing? a	were you doing along with the task (e.g. water collectio n while caring for infant)? (Multipl e respons e	each secondar y activity (in minutes)	Alone/ with HH member	-	the househol d or outside did you do the task? (Do not ask to Social, Leisure, Self-care activities) c	At hom e	Trave I by foot	Travel by car/ vehicl e	Fro m	T	you doing ?	were you doing along with the task (e.g. water collectio n while caring for infant)? (Multipl e respons e	secondar y activity (in minutes)	Alone/ with HH membe r	With friends/ someon e outside the hh	the househol d or outside did you do the task? (Do not ask to Social, Leisure, Self-care activities)	At hom e	Trave I by foot	Travel by car/ vehicl e
			possible) ^a											possible)							

^aCodes:

1 Employment or production of goods or services for marketor own final use11 Crop farming111-Seed cleaning, sorting, storing112-Ploughing, preparing, clearing land113-Sowing, planting, transplanting114-Handweeding

115- Fertilizer/pesticide application, irrigating

116- Harvesting, threshing, hauling, storing

- 117- Farm supervision
- 118- Sale and purchase related activities
- 119- Travel to farm/ garden
- 12 Livestock husbandry
- 121. Tending big animals- grazing, grooming, bathing, feeding
- 122.Milking

123. Making dung cakes

124. Poultry rearing

125.Sale and purchase related activities

- 126. Travel to grazing area
- 13 Fishing, Gardening, Forestry, Fruit production
- 131 Fishing
- 132 Harvesting of fishes
- 133 Gardening/ Backyard cultivation
- 134 Harvesting fruits, vegetables

135 Sale and purchase activities	184 Government/private work, professional/ non-	307 Attending meetings/ functions
136 Travel	professionals	308 Taking care of guests or visitors
14 Post-harvest and processing	185 Other service work	309 Travel
141 Food processing	186 Travel	4 Socializing, participation in community events, and
142 Milling, pounding, grinding	2 Domestic services for household, family members, and	learning
143 Sale and purchase	other household/persons	401 Chatting with neighbor/ relatives
144 Travel	201 Firewood collection	402 Attending meetings like SHG/ gram sabha meetings
15 Mining, quarrying	202 Water collection	403 Attending trainings
151 Mining, quarrying	203 Cooking/preparing meals and snacks	404 Attending social events like weddings, other celebrations
152 Sale and purchase	204 Washed dishes	405 Religious activities
153 Travel	205 Cleaned the house or surrounding; Prepared the beds	406 Travel
16 Construction and repair	206 Washed laundry	5 Culture, leisure
161 Construction, making furniture, repairing, tool making,	207 Dried, ironed, folded clothes	501 Watching TV, movies, listening to radio
welding	208 Paid household bills	502 Reading
162 Sale and purchase	209 Shopped groceries, foods, etc.	503 Outdoor/ indoor sports/ gaming activities
163 Travel	3 Caregiving services for household and family members	504 Travel
17 Manufacturing	301 Caring services (e.g. fed, bathed the children etc.)	6 Self-care and maintenance
171 Tailoring, weaving	302 Teaching/tutoring/training	601 Sleep
172 Handicraft making, pottery, painting	303 Sending children to school or accompanying them to	602 Eating and drinking
173 Sale and purchase	somewhere else	603 Personal hygiene and care
174 Travel	304 Accompanying sick/ disabled to somewhere else like	604 Exercise
18 Services, trade and business	hospitals	605 Doing nothing, rest, relaxation
181 Street vending, shoe cleaning	305 Accompnaying other adults in the hh like in market, etc.	606 Travel related activities
182 Grocery—keeping an eye on grocey	306 Watching or being an adult present for children, elderly,	
183 Driving	disabled, ill	

^bCodes:

Mem No	Name of non-migrant members	Relation	Tick who helped/ assisted you in doing the task? If alone, only tick the name of respondent	^c For whom
1				1. For own household (unpaid)
2				2. For self-use/ own work
3				3. For other household (unpaid)
4				4. For other household (paid)
n				5. For labourers (unpaid)
				6. For labourers (paid)
				7. For the community (unpaid)
				8. For the community (paid)

Assess how the time use of members staying behind in the village has changed after household member's migration. Ask about the activities that the member has started/stopped doing when one member in the household migrated. It is possible that members are doing the same set of activities so we also ask the activities the member has increased/reduced use of his/her time.

Mem	Name of non-	Relation	Are there other activities that the member DOES NOT	What are the activities that	Are there other activities that each member usually	What are the activities that
No	migrant		do when the migrant was present, but he/she is	the member has INCREASED	did before the member migrated, but he/she is NOT	the member has REDUCED
	members		DOING now? What are these activities? (Multiple	use of his/her time on now?	DOING now? What are these activities? (Multiple	use of his/her time on now?
			response possible)		response possible)	
1						

2			
3			
4			
n			

5. Resource access and c	ontrol					
5.1 Asset ownership, acc	ess, and decision-making					
Asset	How many of the following does your household own?	Year of purchase	Who can use the asset? (Select from the member roster; multiple response possible) ^a	Who primarily owns the asset? (select from the member roster; multiple response possible) ^a	Who decides about its sale? ^b	Decision-maker ^b 1- Husband only
Farm asset			,	,		2- H>W (Husband
Cattle						dominates)
Sheep/ goat						3- Both equally
Poultry						4- W>H (Wife
Pigs						dominates)
Irrigation pump						5- Wife only
Tractor						6- Daughter
Power tiller						7- Son
Paddy transplanter						8- Mother 9- Father
Combined harvester-						10- Daughter in law
thresher						11- Son in law
Harvester						12- Sister in law
Thresher						13- Brother in law
Farm land (in acres)						14- Grandmother
Warehouse/farm house						15- Grandfather 16- Niece
Household asset						17- Nephew
Residential house						18- Other female
Homestead land						19- Other male
Cellphone						_
Gold jewelry						
Television						
Radio						
Refrigerator						4
Bicycle						4
Motorized vehicle						
odes:						

^a Mem	Name of members including	Relation	Who can use the asset? (In relation to HH head; multiple response	Who primarily owns the asset? (In relation to HH head; multiple
No	migrants		possible) (Tick box) ^a	response possible) ^a
1				
2				

3		
4		
n		

5.2 Mobile phone use	
How many times in a month does the household connect with the migrant?	
How does the household connect with the migrant? (Select all that apply)	1- Call 2. Text 3- Whatsapp 4- Facebook 5- Others specify

5.3Financial services- Access to loans/ credit sources

If you wanted to borrow money from a bank or other financial service provider (not including friends or relatives), would you be able to borrow money? (1) No, (2) Probably not, (3) Probably yes, (4) Definitely yes, (5) Don't know

Has the household taken loan in the last 5 years? If yes, answer table below.

Amount of loan taken in the last 5 years?	When was the	Source	Primary	Who in the household	Interest	Did you use collateral to	Was the loan fully	If the household has
In Rupees. Indicate the amount of loan	loan taken?	of loan ^a	reason for	decides on taking loan (in	rate (in	avail loan?If yes, what	repaid? If yes, enter	migrant:
taken each time. Not the total amount of	Indicate year.		taking	relation to HH head, multiple	%)	did you use as	0.	
loan in past 5 years. (Add row per loan			loan? ^b	response possible)? ^c		collateral? ^d	If not, how much is	Were the remittance
taken)							the outstanding	received from the
							loan? (In Rupees)	migrant used to pay the
								loan? 1-Yes, 2-No

Codes:

1.Relativestaking loa2.Friends(1) Food	(7) Former inserts and a fortilizer	 (12) Purchase of household assets (e.g. cellphone, refrigerator, etc.) (13) To finance member's migration (14) Repayment of loans used for member's 	 ^cLoan decision-maker 1- Husband only 2- H> W (Husband dominates) 	 Daughter in law Son in law Sister in law 	 ^dCollateral used 1. Land 2. House 3. Jewelries
4.Government bank/ Private bank(3) Healt (4) Utiliti water5.NGO	Ith(8)Buying/ renting machineryties (electricity, er, gas)(9)Buying agricultural landal events(10)Buying homestead land(11)Buying livestock	migration (15) Repayment of other loans (16) Savings (17) Others, specify	 3- Both equally 4- W>H (Wife dominates) 5- Wife only 6- Daughter 7- Son 8- Mother 9- Father 	 13- Brother in law 14- Grandmother 15- Grandfather 16- Niece 17- Nephew 18- Other female 19- Other male 	 Cellphones Ref Other hh durables Others, specify

5.4. Banl	k account (Autofilled	from Table	2.1)					
Mem	Name of	Relation	Who in the	Under which financial	Indicate year the	Estimated total	What are the	Who makes decision on the use of savings of the
No	members at least		household has	institution/group was the	account was	amount of	savings mainly	household? Please tick among the members.
	10 years old		savings account?	account registered? ^a	opened	savings	used for? ^b	(Multiple response possible) ^c
			1-Yes; 2-No			(INR)		

1				
2				
3				
4				
n				
Codes:				

^a Account registration	^b Savings allocation	6- Househ improvements/ construction	11- Buying livesotkck
1- Bank	1- Food	7- Farm inputs such as fertilizer,	12- Purchase of household assets (e.g. cellphone, refrigerator,
 2- Microfinance institutions (e.g. 	2- Education	pesticides	etc.)
)	3- Health	8- Buying/ renting machinery	13- Loan repayment
3- Cooperative/ SHGs	4- Utilities (electricity, water, gas)	9- Buying agricultural land	14- Savings
4- Others, specify	5- Recreation and culture (weddings, social	10- Buying homestead land	15- Others, specify
	events)		

6. Advisory Services, Trainings, and	Social Groups				
6.1. Access to information and adv	isory services				
Type of information/ advice	What are the types of information accessed by the household before any member migrated? 1-Yes 2-No	Who in your household were receiving the advice / information? Emphasize: What are the information that the migrant member was receiving before he/ she migrated? (in relation to household head, Multiple response possible) ^a	In the last 12 months, what types of information are received by the household? 1-Yes 2- No	Source of information ^b	Who in the household received the information? Emphasize: Is there any information received by the migrant member? What is it? ^a
(1) Seeds/ Planting- e.g. new varietal release					
(2) Fertilizer- e.g. Types, Application					
(3) Pests/ Diseases management					
(4) Best management practices (e.g. erosion control, crop rotation, land mgt)					
(5) Post-harvest (storage, drying, processing)					
 (6) Marketing/ Sales- input/ output prices, market channels 					
(7) Livestock care					
(8) Job openings					
(9) Others, specify					

Codes:					
^a Mem No	Name of members at least 10 years old including migrants	Relation	Please tick.	^b Source of information	(5) Other farmers (e.g. progressive farmers)
1				(1) Government extension (in-person)	(6) Radio
2				(2) Private extension (dealers, traders) (in-person)	(7) Television
2				(3) NGO (in-person)	(8) Phone/mobile phone
3				(4) Community groups/ Social groups	(9) Others (specify)
4				4	
n					

6.2. Training participation: Include all kinds of trainings attended in the past 2years

	Training	Have you or ar household at any of the tr before men migratio 1. Ye 2. No	tended aining nber's n? s	trainin What w that t atter (Mult	re attending the g? Emphasize: ere the training the migrant is iding before? iple response possible) ^a	When was the last t that you or any member of the household attended following training? never had it befor enter 99.	the If	Who conducted t training? ^b	he	Loc	ation of training ^c	Training number days	Who in household a the trair (Multiple re possib	ttended iing? esponse
1. Seed	production													
	ly/Rice uction													
3. Vege	table production													
4. Farm diver	ning system rsification													
	epreneurship/													
	ness training													
	ihood training													
(e.g.	tailoring,													
	/ing, etc.)													
	tock rearing													
	rs, specify													
Codes: ^a Mem	Name of memb	ors at least 10	Relation	Tick	^b Training agency		¢т,	aining location	^d Mer	m	Name of members	at least 10 years old includ	ing Relation	Tick
No	years old includ		Relation	box	1. Govt office/			Within the village	No		migrants except inte	-	ing Relation	box
1	years ora merae			JUX		nsion (e.g. seed		Outside village but	1					- SOX
2						dealers, etc.)	(-)	same tehsil	2					
3					3. NGO	· ·	(3)	Other tehsil	3					
4					4. Community	groups/ social orgs			4					
n					5. Universities				n					
				1	6. Internationa	al org			1					

6.3. Social capital: Both male & female: The following information should be obtained from MALE and FEMALE members of the household.

7. Others, specify

Organizations/ Groups in the Community	Is there a [GROUP] in your community? 1-Yes 2-No (If yes, answer next questions)	Is this group composed of all male or female members or a mixed group? 1-All male, 2-All female, 3-Mix	Who in the household is a member of the group? ^a	What services of the organization do you have access to by being a member of the organization? (Multiple responses possible) ^c	To what extent can they influence decisions in the [group]? ^d	To what extent does the [group] influence life in the community beyond the group activities? ^d
 (1) Agricultural / livestock / fisheries producer's group (excluding marketing groups) 						
(2) Entrepreneurs'/ marketing group/ Vendors' association						
(3) Water users' group						
(4) Forest users' group						
(5) Credit or microfinance group (SHGs)						
(6) Mutual help or insurance group						
(7) Civic group (e.g. gramsabha, panchayat meetings)						
(8) Religious group						
(9) Others, specify						

^a Mem No	Name of members at least 10 years old including migrants	Relation	Tick box	Year joined the organization	Position in the organization ^b
1					
2					
3					
4					
n					

Codes:

^b Position in the organization	^c Services	5- Extension services such as training, seminar	^d Extent of
(1) Leader/Head/President	1- Access to inputs (fertilizer, seeds,	6- Information such as market prices, market demand,	influence
(2) Officer other than the leader/head/president (e.g. secretary,	etc.)	weather	1- Not at all
treasurer)	2- Financial services like loans	7- Output markets	2- Small extent
(3) Member	3- Access to land	8- Others, specify	3- Medium extent
	4- Access to machinery	9- Nothing	4- High extent

8. Decision-making

Both male & female: The following information should be obtained from MALE and FEMALE members of the household. Ask the wife and husband in the household. In case any of them is not available, we ask the member of the same age.

Decision making – Who makes decisions on the following matters? Choose who the main decision maker is from the following. This should be asked from both the men and women members of the household.

Who decides on	the following?	Before migration If household has n	nigrant:		Currently			
	ent related decision rop e.g. what crop to grow, variety to	Who made decisio before member mi <i>the migrant was th</i> <i>maker before.</i> Sele maker. ^a	n on the followi grated? Probe v ne primary decis	ng vhere ion- iion-	Who makes decision on these domains after the member migrated? ^a Select primary decision- maker.	What are the decisions taken by the migrant or asked for migrant's advice after he/she migrated? Tickthe name/s of the migrant who you asked for advice. (If ticked, answer next question). ^b	If migrant decides, How do you seek advice from the migrant? Select all that apply. ^b 1-Call / Text 2-Facebook/Messenger/ WhatsApp 3-During migrant's visit	 ^aDecision-maker 1- Husband only 2- H> W (Husband dominates) 3- Both equally 4- W>H (Wife dominates) 5- Wife only 6- Daughter 7- Son 8- Mother
 (2) Fertilizer ap (3) Pesticide ap (4) Irrigate crop (5) Whether to (6) On the alloc (7) To rent made (8) When to ha (9) To adopt ag 	pplication/ pest-disease management ps hire labour cation of labour in the farm chine rivest the produce gricultural technology or new practice							9- Father 10- Daughter in law 11- Son in law 12- Sister in law 13- Brother in law 14- Grandmother 15- Grandfather 16- Niece
Investment/Exp (11) Money to s (12) To purchase (13) To purchase (14) To buy land (15) To spend or	e machinery n food se household assets e.g. tv, radio,							17- Nephew 18- Other female 19- Other male
 (17) To spend or (18) To allocate (19) Marketing negotiates (20) Food choice (21) Whether to 	n children's education							
Codes:								
Mem No 1 2	Name of all migrant members	Relation	Tick box			ou seek advice from the migrant? essenger/ WhatsApp; 3-During mig		
3								

4		
n		

8. Farming Systems

8.1. Land ownership and cultivation

	Before first migration	2019	Type of land ^a	Irrigation source ^b
	Total land under cultivation (acre; except fallow land)	Total land under cultivation (acre; excluding fallow land)		
Own land (excluding rented out land)				
Rented in land				
Rented out land				
Fallow land				

Codes:

^aLand type: (1) Upland (2) Midland (3) Lowland

^bIrrigation source: (1) Rainfed/ No irrigation (2) Electric tubewell (3) Diesel tubewell (4) Canal (5) Pond/ river (6) Lift irrigation (7) Others, specify

Does land title exist for the land? 1-Yes 2-No. If yes, answer below table.

Mem No	Name of members at least 18 years old	Relation	Whose name is the title in? (Tick box)
1			
2			
3			
4			
n			

8.2. Cropping system: Add row per crop.

Before first migration*					Currently*				
What are the crops grown by the	Grown during	Planted	Grown during	Planted	What are the crops grown by the	Grown during	Planted	Grown during	Planted
household before one member	Kharif? (Tick	area? (in	Rabi? (Tick	area? (in	household after one member	Kharif? (Tick	area? (in	Rabi? (Tick	area? (in
migrated? ^a	box)	acre)	box)	acre)	migrated? ^a	box)	acre)	box)	acre)

Crop (Autofilled from previous table)	If cultivated area decreased, why was there a decrease in area planted with [crop]? Or Why did you stop growing the [crop]? (Multiple response possible) ^b	Why did you stop growing the [crop]? (Multiple response possible) ^a	If cultivated area increased, why was there an increase in area planted with [crop]? (Multiple response possible) ^c	Why did you start growing the [crop]? (Multiple response possible) ^c

*Fallow area is automatically computed. Be wary about fallow area indicated from "Land ownership and cultivation" table whether these two values will be equal.

^a Crops	^b Reason for decreased crop area/discontinued cultivation	^c Reason for increased crop area/ new cultivation				
1. Rice	1. Labour intensive, less labour available in the household	1. Less labour intensive				
2. Wheat	 Less labour available for hiring in the village 	2. Incurs less cost of labour				
3. Pulses/ Legumes	3. Incurs high cost of labour	3. Incurs less cost of material inputs				
4. Vegetables	4. Incurs high cost of material inputs	4. Owns larger area now after buying more land				
5. Others, specify	5. Owns a smaller area now after selling portion of land	5. Owns larger area now after renting in more land				
	6. Owns a smaller area now after renting out portion of land	6. High market demand/ market price				
	7. Low market demand/ market price	7. Knowledge on its cultivation				
	8. Not enough knowledge about its cultivation	8. To diversify production				
	9. Others, specify	9. Others, specify				

8.3 Rice production and utilization

	Before migration (Consider only Kharif) Currently (Consider only Kharif 2019	
Total rice production (in kg)		
Out of the total rice harvested, how much is sold?		
How much is consumed?		
Others (Computed question)		

9. Food Consumption and Security

9.1. Food consumption: Both male & female. The following information should be obtained from both MALE and FEMALE members of the household.

Before migration				Currently		
Food group	Before the member migrated, how often the household is able to consume the following? ^a	Main f source ^b	food	In the past 30 days, how often have you eaten? ^a	Main source ^b	food
1. Grains (rice, chapatti, biscuit bread etc.)						
2. Roots and/or tubers (potatoes, cassava, etc.)						
3. Pulses/Legumes (beans, lentils, peas, and derivaties like tofu etc.)						
4. Vegetables/greens						
5. Fruits						
6. Eggs						
7. Meat- goat, sheep, chicken, liver, etc.						
8. Fish and seafood						
9. Dairy products-milk/milk products, cheese, yogurt excluding butter						
10. Sugar/Honey						
11. Oil, fat, or butter						

Codes:

^a Frequency of consumption	^b Main food source	6) Purchase
(0) Never	1) Own production	7) Exchange labour for food
(1) Almost never (<1 time/week)	2) Hunting	8) Exchange items for food
(2) Once in a while (1-2 times/week)	3) Fishing	9) Gift (food) from family relatives
(3) Often (3-6 times/week)	4) Gathering	10) Food aid (NGOs etc.)
(4) Always (everyday)	5) Borrowed	11) Others, specify
(5) Not eaten for religious or cultural reasons		

9.2. Household Food Insecurity and Access:

	Before the member	In the past 30	(0) Never
	migrated	days	(1) Rarely (1-2 times)
Did you worry that your household would not have enough food due to lack of resources?			(2) Sometimes (3-10
Were you or any household member not able to eat the kinds of foods you preferred because of a lack of resources?			times)
Did you or any household member have to eat a limited variety of foods due to a lack of resources?			(3) Often (>10 times)
Did you or any household member have to eat some foods that you really did not want to eat because of a lack of resources to			
obtain other types of food?			
Did you or any household member eat a SMALLER MEAL than you felt you needed because there was not enough food?			
Did you or any household member eat FEWER MEALS in a day because there was not enough food?			
Was there ever no food at all in your household because there were not resources to get more ?			
Did you or any household member go to sleep at night hungry because there was not enough food?			
Did you or any household member go a whole day without eating because there was not enough food?			

Interview end time

Thank you very much for your time.