

**International Fund for Agricultural Development (IFAD)**

**Assisted**

**Jharkhand Tribal Empowerment and Livelihoods Projects**

**(JTELP)**



## **ANNUAL OUTCOME SURVEY**

**2017**

**Jharkhand Tribal Development Society**

(Department of Welfare, Govt. of Jharkhand)

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## **1. Background:**

**Introduction:** Removing rural poverty is the key challenge before Jharkhand. Poverty is highest among the Scheduled Tribes (STs) in Jharkhand. Besides strengthening community-based institutions and improving natural resource management, the Jharkhand Tribal Empowerment and Livelihood Project (JTELP) will emphasize productivity enhancement and up-scaling of proven, market-oriented production activities. JTELP will foster convergence with the on-going Tribal and rural development programmes of the Govt. of India and Govt. of Jharkhand.

**Project Objective:** Improve the living conditions of tribal people in general and PTGs in particular, covering select Panchayats in tribal majority blocks of all the TSP districts of Jharkhand by empowering the local community and by promoting sustainable improvement for livelihood security and to improve general quality of life of the tribal and other poor families.

### **Project area:**

Project interventions has been implemented in Ranchi, Khunti, Gumla, Simdega and Lohardaga districts in Ranchi Division, West Singhbhum, East Singhbhum and Saraikela-Kharsawan districts in Kolhan Division, Latehar in Palamau Division and Godda, Dumka, Pakur, Sahebganj and Jamtara in Santhal Pargana Division. These are all Integrated Tribal Development Agency (ITDA)/Tribal Sub-plan (TSP) districts. Within these districts the blocks (sub-districts) and Panchayats that have rural tribal population of more than 50% have been chosen for intervention.

### **Target Population**

Overall, the project is covering about 1, 53,333 households, in 1,259 villages in 30 blocks falling under 14 TSP districts against targeted 1, 36,000 HH and 1000 villages. While working with all households in project villages, STs targeting has been ensured by choosing Panchayats with higher ST concentration. At least 10% households have been from the Particularly Vulnerable Tribal Groups (PTGs) as they are poorest even among the STs. The project target groups were included tribal households, including almost 10,000 particularly vulnerable Tribal Groups (PTGs) households.

## **2. ANNUAL OUTCOME SURVEY 2017**

As per IFAD Guideline, Annual Outcome Survey is to conduct every year for monitoring outcome level result and effectiveness of project implementation. For year 2017, AOS has been carried out during the period December-2017 – January2018.

### **Objectives of Annual Outcome Survey:-**

- (i) To measure changes happening at the household level in terms of livelihoods and food security during the project life
- (ii) To assess targeting efficiency
- (iii) To provide evidence of project success or failure
- (iv) To provide timely performance information necessary to undertake corrective actions.

### **3. AOS Training:-**

The training-workshop on Annual Outcome Survey took place on November 2016 at Conference-hall of Jharkhand Tribal Development Society – SPMU, Morabadi, Ranchi.

The training-workshop was attended by all key staffs of JTDS and FNGO.

### **4. Sample Selection:-**

Sampling frame - As per technical guideline of IFAD, simple household survey has been undertaken **by field enumerators of Partner FNGO**, as mentioned above (who was the participant in the district level AOS training) and has been covered a small sample of 514 households (91 villages, 5-7 households/village) selected randomly (using stratified random method) of all the villages targeted by JTELP and control villages nearby geographical local of the JTELP villages. 305 hh were surveyed from the treatment villages from JTELP and 209 hh were surveyed from the control villages which were having almost similar number of tribal households as that of treatment villages.

**Survey sample (District wise):**

District	Block	Treatment		Control	
		Total		Villages	HH
		Villages	HH		
West Singbhum	Khuntpani	2	10	1	7
	Sonua	2	10	1	7
	Tonto	2	10	1	7
Saraikela Kharsawan	Rajnagar	2	10	1	7
	Kuchai	2	10	1	7
	Saraikela	2	10	1	7
East Singbhum	Dumaria	2	10	1	7
	Potka	2	10	1	7
Khunti	Erki	2	10	1	7
	Karra	2	10	1	7
Ranchi	Bundu	2	10	1	7
	Tamar	2	10	1	7
Lohardaga	Bhandra	2	10	1	7
	Kairo	2	10	1	7
Gumla	Sisai	3	15	1	6
	Verno	2	10	1	7
Simdega	Simdega	2	10	1	7
	Kurdeg	2	10	1	7
Latehar	Manika	2	10	1	7
	Barwadih	2	10	1	7
Dumka	Masalia	2	10	1	7
	Gopikandar	2	10	1	7
Godda	Sundar Pahari	2	10	1	7
	Boarijor	2	10	1	7
	Borio	2	10	1	7
Sahibganj	Taljhari	2	10	1	7
	Littipara	2	10	1	7
Pakur	Amrapara	2	10	1	7
	Jamtara	2	10	1	7
Jamtara	Phatepur	2	10	1	7
	Total	60	305	30	209

## 5. Data Collection:-

Data collection done by field enumerators of Partner FNGO staffs and DPMU staffs from the Household on sample basis:

The respondent was the head of household or any person designated by him/her. If there was no respondent in the household (e.g. head of household is absent and the other people do not want to respond), then team proceeded to the next selected household.

## 6. Data Entry and Analysis:-

An *Excel Master sheet file* has provided to facilitate data entry and data analysis to all 14 DPMUs (Ranchi, Latehar, Khunti, Dumka, Pakur, Godda, Saihabganj, Jamtara, Sarikella Kharsawa, East Singbhum, West Singbhum, Simdega, Gumla, Lohardaga). In the *database*, each row corresponded to a household (i.e. a questionnaire), and each column corresponded to a variable (i.e. a question).

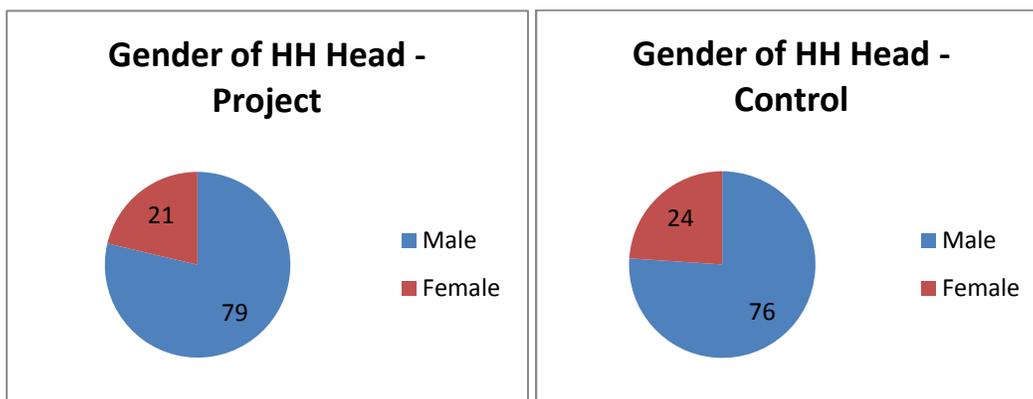
The data has included *beneficiaries and non-beneficiaries* households since the selection of the households in the villages has been done randomly on all the households living in the village.

The results have been *compared from year to year* even though the same households will not be surveyed each year.

## SURVEY FINDINGS:-

### 7. DEMOGRAPHY & INCOME GROUPS:

Under the sample, size 79% household area headed by male in project and 76% in control villages.

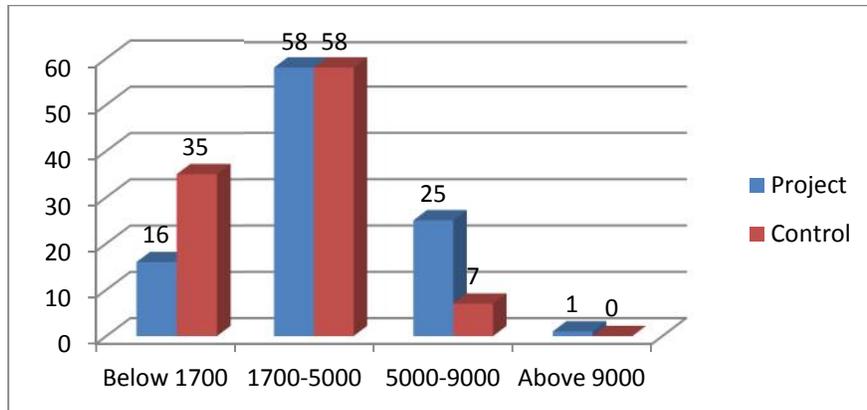


21% households are headed by female in project area and 24% in control village.

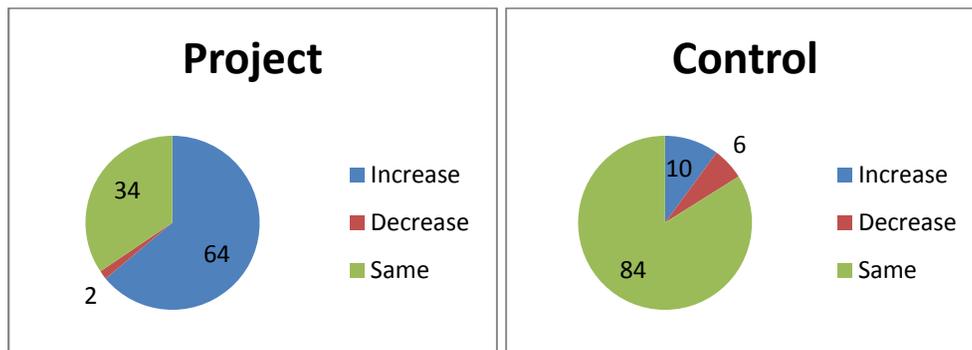
Caste wise percentage of the respondent:

Caste	% in Project	% in Control
Gen	0	0
OBC	0.5	4
PTG	5	7
SC	0.5	1
ST	94	88

In project village's 16% respondent told that they have monthly average income of below Rs.1700/- where as in control villages 35% respondent told the same. 58% of the household is having income of Rs. 1701-5000 both in project villages and control villages. 25% of project villages reported income of Rs. 5001-9000 and only 7% of control village reported same. Only 1 hh reported income of more than Rs.9000 in project villages and none in the treatment village.



In project villages 64% reported increase in income whereas 2% reported decrease and 34% told of no change. In control villages 10% reported increase in income whereas 6% reported decrease and 84% told no change.



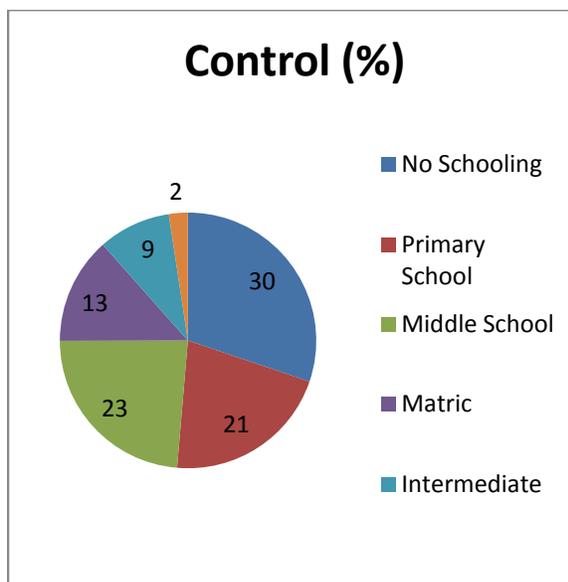
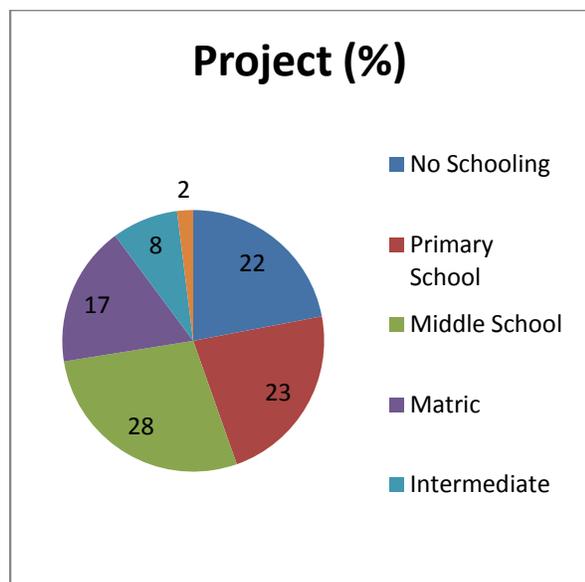
### 8. Household Identification:

In project villages 83% hh reported that they are part of the SHG; in control villages 62% hh reported the same. Among the 83% hh of project villages, 66% was formed by JTELP and 17% was formed by JSLPS and other agencies.

In Project Villages 66% hh received training on SHG management Project Villages 55% hh received training on Livestock Production, 70% hh received training on improved agricultural practise, 36% hh received training on Natural Resource Management and 42% hh received training on Social issues, health & hygiene, empowerment. Trainings reported in the control villages under various head is negligible.

**Highest level of education attained by the household head:**

	No Schooling	Primary School	Middle School	High School	Intermediate	Bachelors
<b>Project (%)</b>	22	23	28	17	8	2
<b>Control (%)</b>	30	21	23	13	9	2



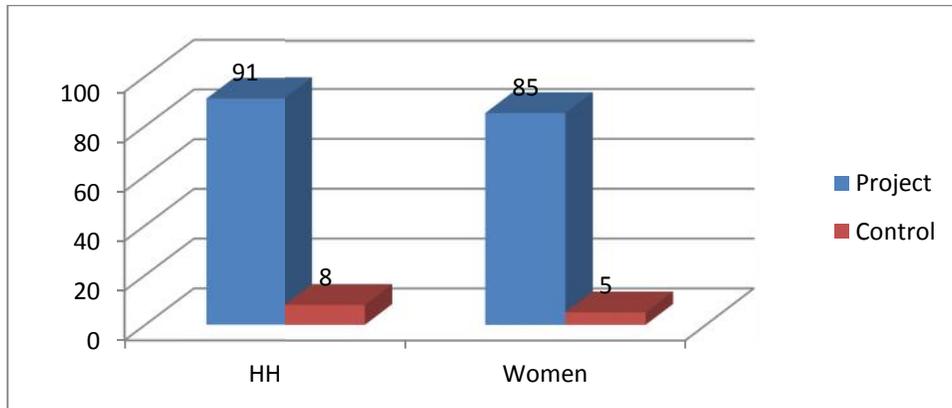
In both project and control villages significant percentage of HH head did not attend any formal schooling (22% and 30% respectively).

**9. Wage Employment Generation**

In project villages 91% reported increase in HH wage income (30% reported significant increase and 61% reported moderate increase), whereas only 1 hh reported decrease in HH wage income. 9% HH reported no change.

In control villages only 8% reported increase in wage income but only 1 HH reported decrease in wage income. Rest of the respondent reported no change.

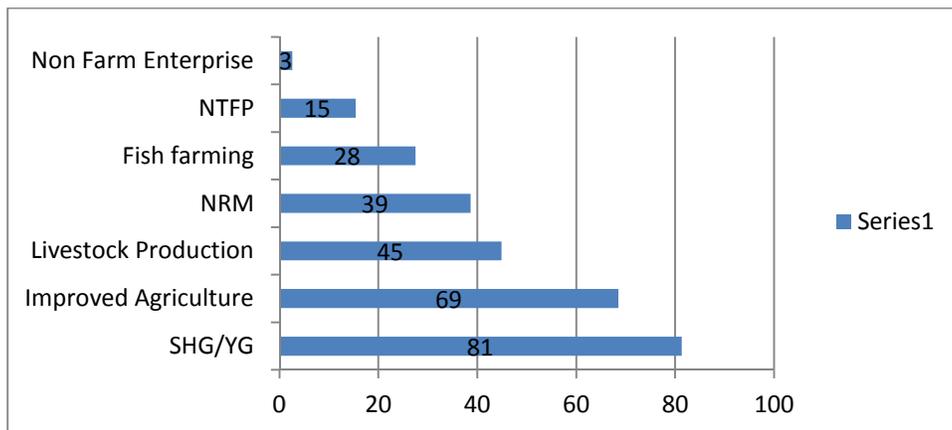
With respect to women participation in wage employment, in project villages 85% reported increase in HH wage income (20% reported significant increase and 65% reported moderate increase), whereas only 1 hh reported decrease in HH wage income, 15% HH reported no change. In control villages 5% reported increase and rest reported no change.



**Increase in wage income**

### 10. Involvement in Project Activity:

In project villages 81% reported engagement with SHG and Youth Group, 69% reported engagement with improved and scientific crop production, 45% with livestock rearing, 39% reported involvement with NRM activity, 28% with fish farming, 15% with NTFP and 5% with non- farm enterprise.

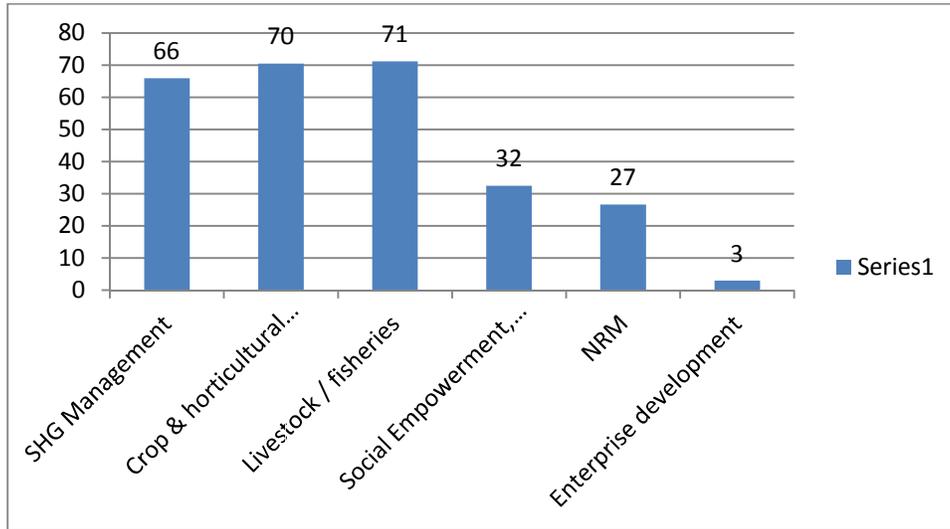


90% of the respondent reported satisfaction (68% very satisfied and 22% moderately satisfied) with the project activities. Rest reported their dissatisfaction with the project. When asked about the regularity of contact with the project staffs; 64% reported frequent, 21% reported occasional and 15% reported rear.

### Type of training received:

In project villages 65% hh received training on SHG management (25% at least once and 30% more than once), 70% on Crop and Horticulture (33% at least once and 37% more than once), 71% on livestock rearing (42% at least once and 29% more than once), 32%

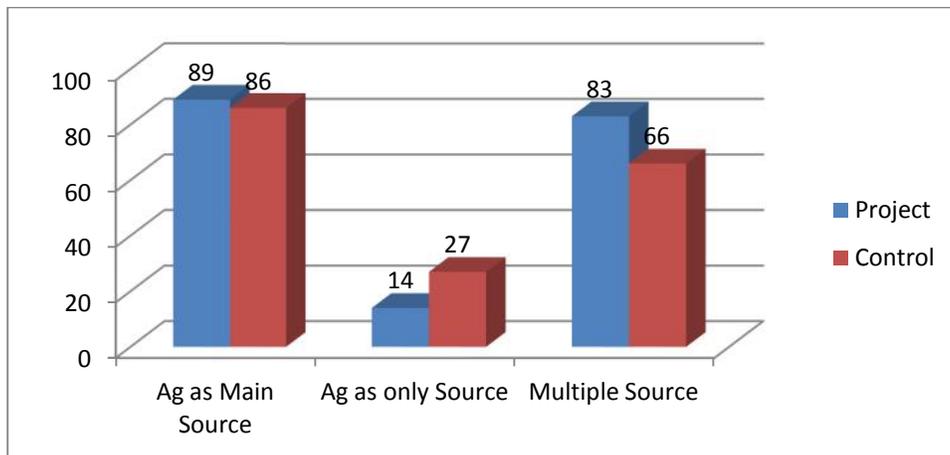
on Social Empowerment & Health, 27% on Natural Resource Management and 3% received training on enterprise development.



### 11. Main source of income:

In project villages 89% hh reported agriculture is their main source of income and among them 14% reported that agriculture is their only source of income. 6% of hh reported daily wage as main source of income whereas 4% reported livestock rearing/fish farming as main source of income. 83% hh was having multiple source of income.

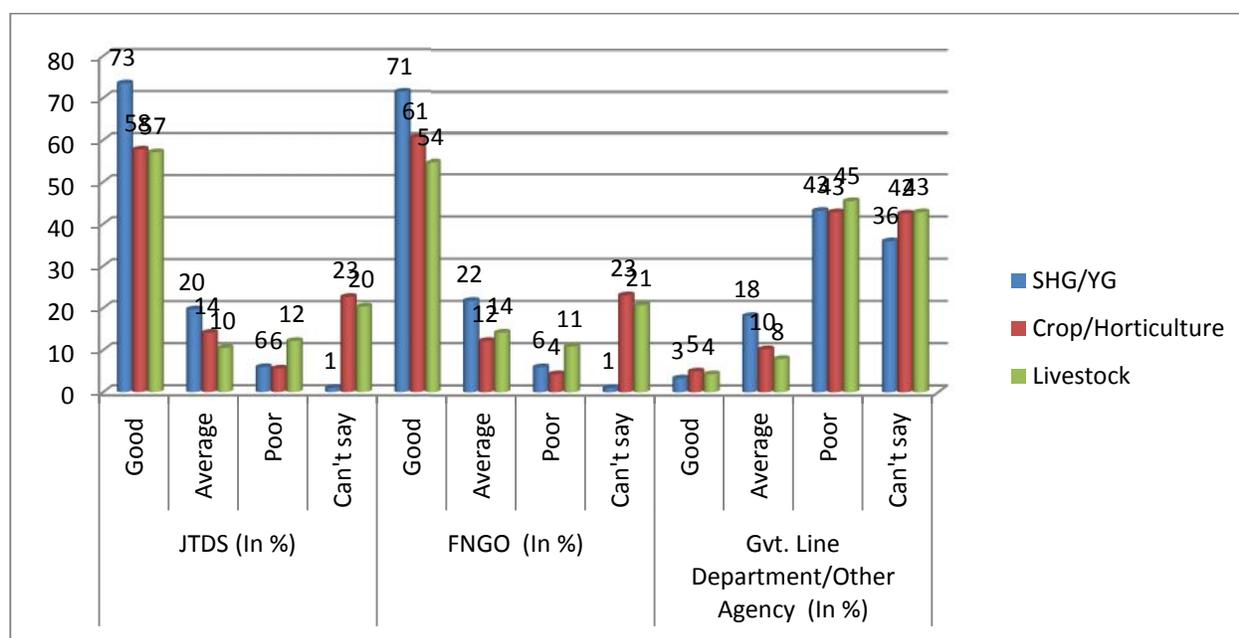
In control villages 86% hh reported agriculture as their main source of income among them 27% reported that agriculture is their only source of income. 11% of hh reported daily wage and only 1% reported livestock rearing as main source of income. 66% hh was having multiple source of income.



## 12. Assessment of staff performance:

In project villages beneficiaries were asked to rate the performance of JTDS as well as FNGO staffs and also asked about the assistance received from Govt. Line departments for different activities. The below chart reflects the answer received from the beneficiaries for major activities undertaken by JTELP

Activity	JTDS (In %)				FNGO (In %)				Govt. Line Department/Other Agency (In %)			
	Good	Average	Poor	Can't say	Good	Average	Poor	Can't say	Good	Average	Poor	Can't say
SHG/YG	73	20	6	1	71	22	6	1	3	18	43	36
Crop/Horticulture	58	14	6	23	61	12	4	23	5	10	43	42
Livestock	57	10	12	20	54	14	11	21	4	8	45	43



## 13. Use of New Agricultural technology:

**SRI:** In project villages 37% respondent used the SRI of Paddy and among them 93% thought that this technology is effective. 87% of the farmers who adopted SRI this year reported that they would continue this method in next year also and 82% reported significant increase in the production. Average production per acre is 2929 kg.

In control villages 7% respondent used the SRI method.

**Improved Vegetable Cultivation:** In project villages 54% respondent cultivated vegetable with improved scientific technology and among them 95% thought that this technology is effective. 97% of the farmers who adopted improved practise this year reported that they would continue this method in next year also and 94% reported significant increase in the production.

In control villages 4% respondent used the Improved Vegetable Cultivation method.

**Improved Mango Plantation:** In project villages 6% respondent was adopted Improved Mango Plantation and all of them thought that this technology is effective. All the farmers except one who adopted improved practise this year reported that they would continue this method in next year also. As this activity started from the last year only therefore fruiting will happen only after three years, therefore production data was not available.

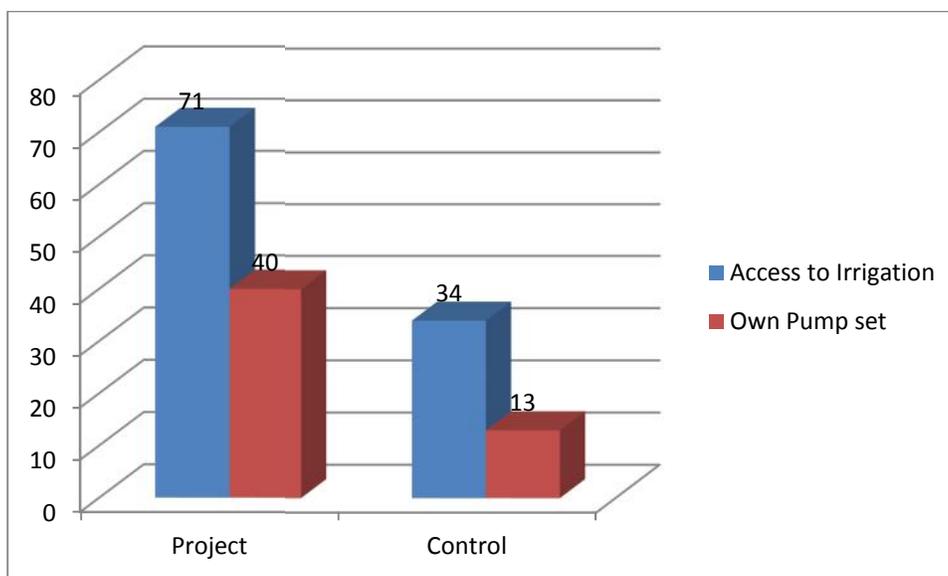
In control villages none adopted the Improved Mango Plantation method.

**Improved Housing for Livestock:** In project villages 44% respondent used Improved Housing for Livestock and among them 93% thought that this technology is effective. 92% of the farmers who adopted improved practise this year reported that they would continue this method in next year also and 48% reported increase in the production.

In control villages 3% respondent used the Improved Housing for Livestock.

#### **14. Availability of Irrigation:**

In project villages 71% of respondent had access to irrigation water & 40% had their own pump sets for irrigation (17% of the respondent received pump sets from the JTELP). In project villages 37% used irrigation for one season only, 27% used irrigation for two seasons and 7% used irrigation for all the three season. In comparison, 34% in control villages having access to irrigation and 13% having pump- sets. Among them 28% used irrigation for one season only, 6% used irrigation for two seasons.



In project villages 40% used irrigation for 1-10 days, 15% used irrigation for 11-20 days and 16% used irrigation more than 20 days in Rabi (winter) season.

In control villages 26% used irrigation for 1-10 days, 3% used irrigation for 11-20 days and 5% used irrigation more than 20 days in Rabi (winter) season.

In Garma (summer) In project villages 14% used irrigation for 1-10 days, 11% used irrigation for 11-20 days and 12% used irrigation more than 20 days.

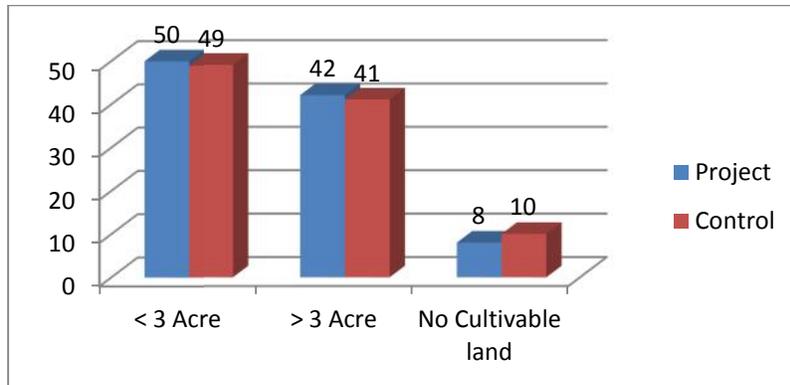
In Garma (summer), in control villages 4% of the respondent used irrigation for 1-10 days and 11-20 days. Only one HH used irrigation more than 20 days.

#### **14. Land Tenure & Crop Production:**

In Project villages 50% hh reported cultivable land of less than 3 acre, 42% hh reported cultivable land of more than 3 acre and 8% hh did not own any cultivable land.

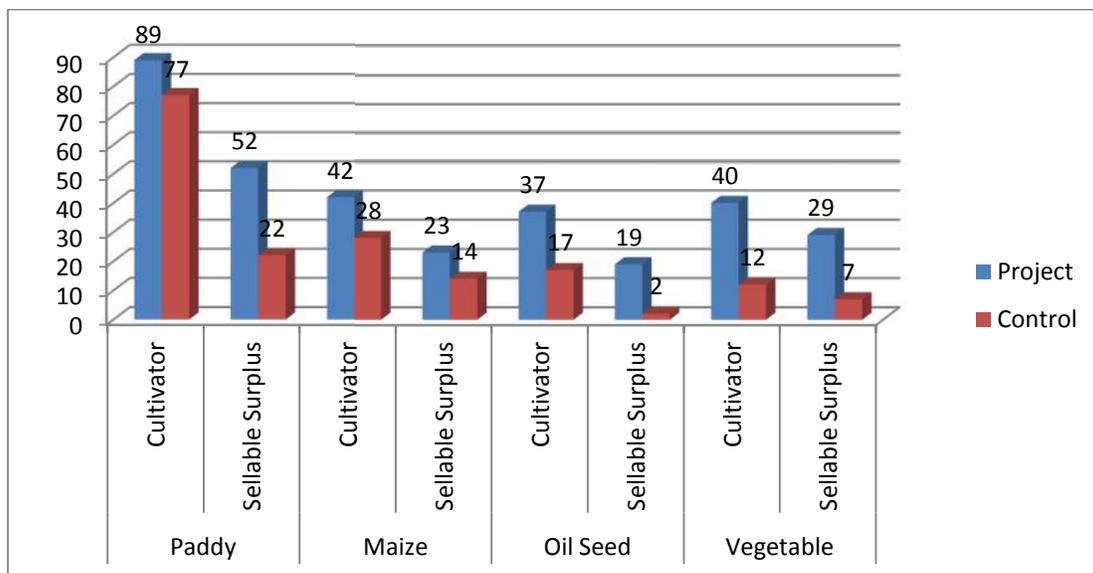
In control villages 49% hh reported cultivable land of less than 3 acre, 41% hh reported cultivable land of more than 3 acre and 10% hh did not own any cultivable land.

In comparison to last year in project villages 64% respondent reported increase, 4% reported decrease and 32% reported no change and in control villages 21% respondent reported increase, 14% reported decrease and 65% reported no change in production.



In project villages 89% cultivated paddy and 52% had surplus production for sell and rest used the produce for consumption only. 42% respondent cultivated Maize but only 23% had sellable surplus. 37% respondent cultivated oil seed but only 19% had sellable surplus. 40% respondent involved in commercial vegetable production but only 29% had reported substantial sellable surplus.

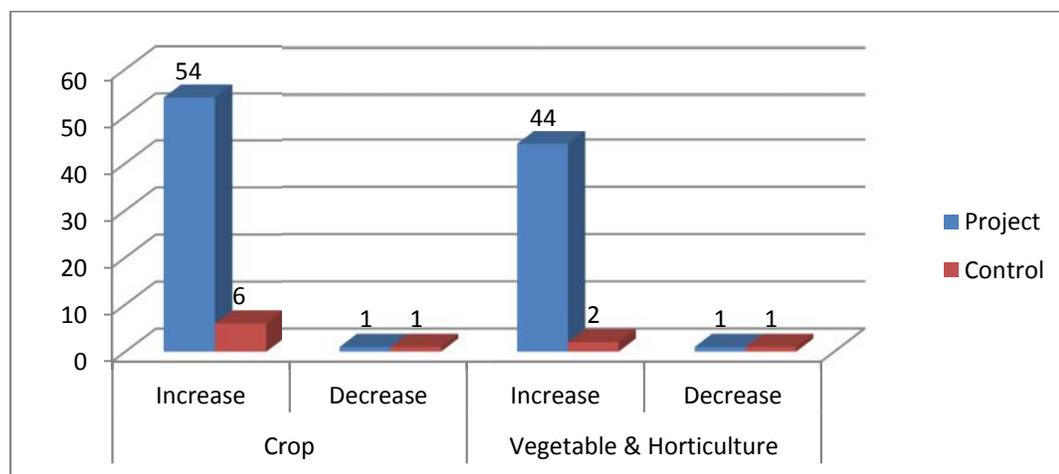
In project villages 77% cultivated paddy and 22% had surplus production for sell and rest used the produce for consumption only. 28% respondent cultivated Maize but only 14% had sellable surplus. 17% respondent cultivated oil seed but only 2% had sellable surplus. 12% respondent involved in commercial vegetable production but only 7% had reported substantial sellable surplus.



In project villages 40% hh cultivated at least two crops and 22% hh cultivated at least three crops where as 31% in control villages cultivated two crops and 13% hh cultivated at least three crops in a year.

In project area 54% of the cultivators reported increase in income from crops and 2 hh reported decline while rest reported no change. 44% reported increase of income from vegetable and horticulture and 4 hh (1%) reported decline while rest reported no change.

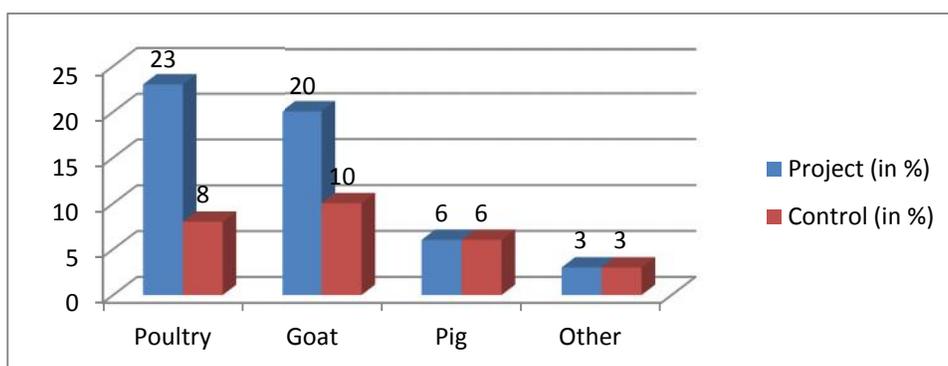
In control villages 6% of the cultivators reported increase in income from crops and 2 hh reported decline while rest reported no change. 2% reported increase of income from vegetable and horticulture and 1 hh reported decline while rest reported no change.



### 15. Livestock Production:

In project villages 80% hh owned any kind of livestock. In control villages 66% hh owned any kind of livestock. Income earned from different livestock owned by the hh in project and control villages is shown as follows:

Income earned from Livestock	Project (in %)		Control (in %)
	Livestock received from Project	Own Livestock	
Poultry	10	13	8
Goat	5	15	10
Pig	1	5	6
Other		3	3



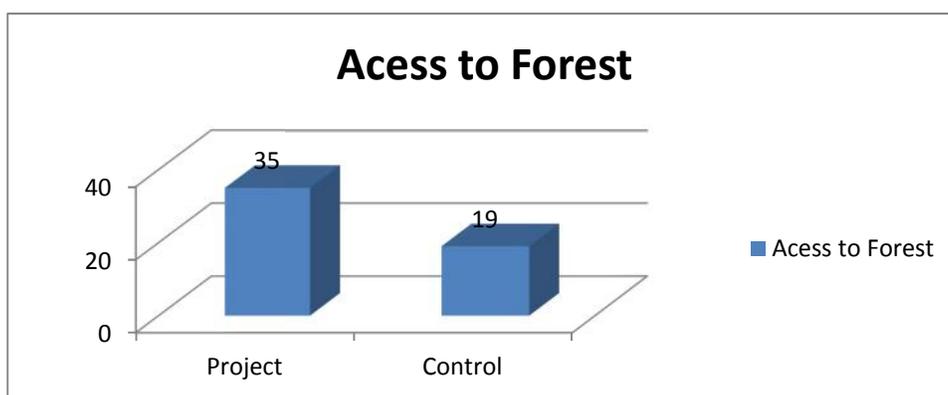
Only 37% of the livestock owner reported increase in income from livestock in project area and 4% from control reported any increase. Rest of the hh reported no change in income except 1 hh each both from project and control villages (who have reported decline).

In project villages 22% hh involved in fish farming and 13% reported increase in production compared to last year. In control villages only 3% hh involved in fish farming and 2 hh reported increase in production compared to last year.

### 16. Access to Forest:

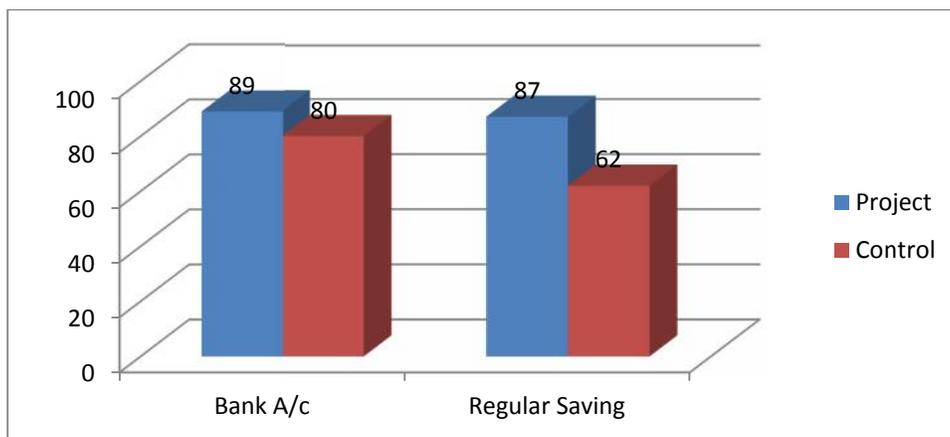
In project villages 35% hh replied that they had access to the forest. 22% used the forest for fuel wood collection, 15% used for NTFP collection, 9% for lac rearing and 1% for tasar cocoon rearing.

In control villages 19% hh replied that they had access to the forest. 14% used the forest for fuel wood collection, 13% used for NTFP collection, 1% for lac rearing and 1 hh for tasar cocoon rearing.



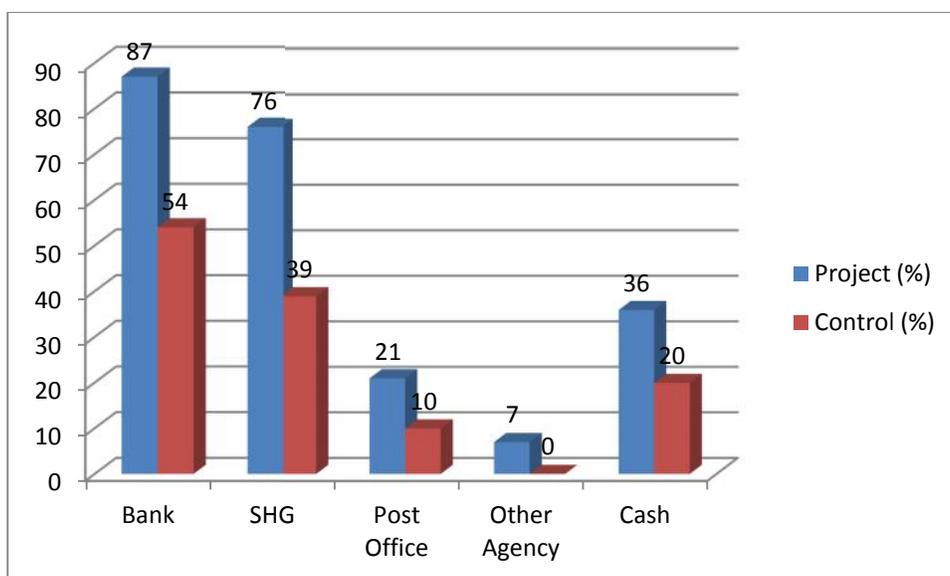
### 17. Access to formal financial services and Savings:

In project villages 89% of the hh is having bank a/c whereas in control villages 80% of hh is having bank a/c. 87% hh, in project villages had regular savings in comparison with 62% hh of control villages.



The below Table & graph is showing different mode of savings for hh in project as well as control villages:

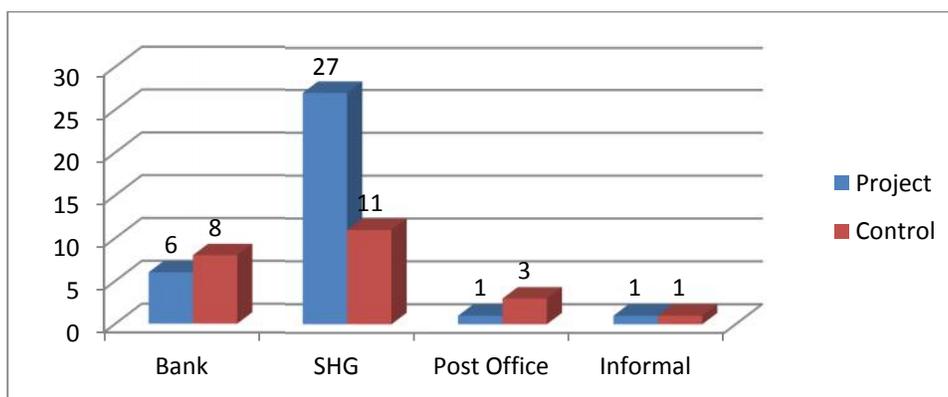
	Bank	SHG	Post Office	Other Agency	Cash
<b>Project (%)</b>	87	76	21	7	36
<b>Control (%)</b>	54	39	10	0	20



### 18. Access to Loan and utilization:

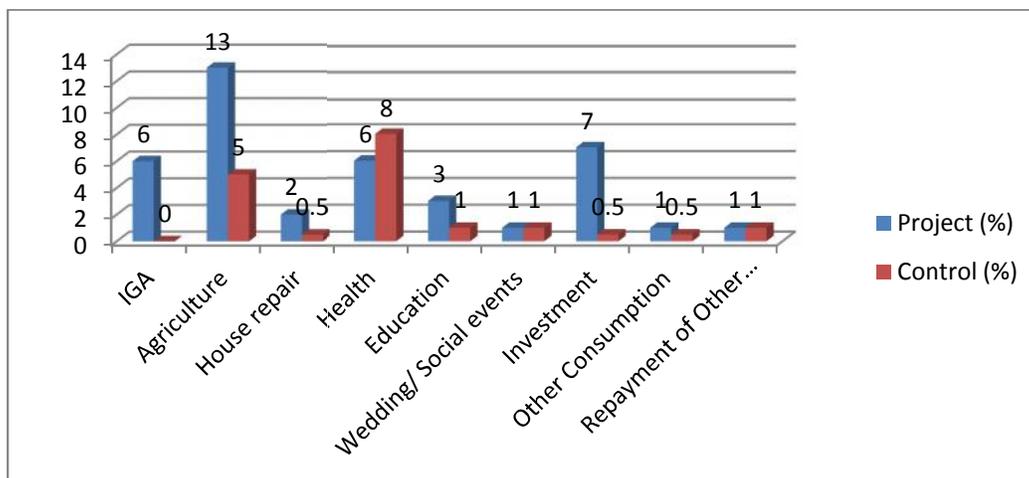
In project villages 32% hh had taken loan from different sources whereas in control villages 21 % hh had taken loan from different sources. In project villages lowest loan amount was Rs. 200/- and highest was Rs. 65000/-. In control villages it varied between Rs. 400/- and Rs. 60000/-. Different sources of loan are as follows:

	Bank	SHG	Post Office	Informal
Project	6	27	1	1
Control	8	11	3	1



Activity wise utilisation of loan for project and control villages is as follows:

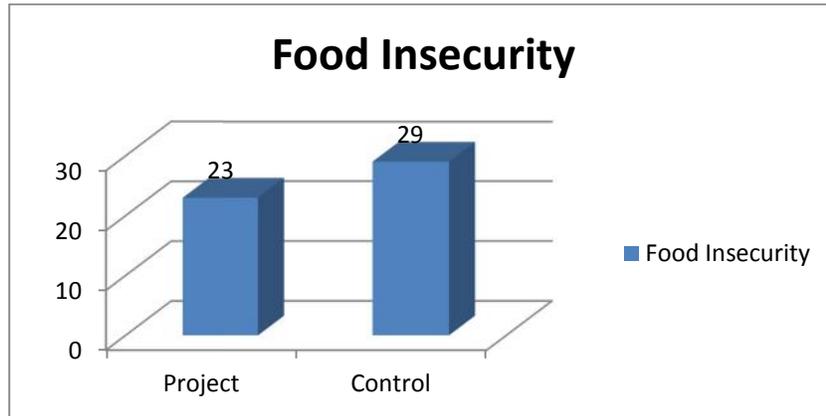
	IGA	Agriculture	House repair	Health	Education	Wedding/ Social events	Investment	Other Consumption	Repayment of Other Loan
Project (%)	6	13	2	6	3	1	7	1	1
Control (%)	0,5	5	0.5	8	1	1	0.5	0.5	1



**19. Insurance Policy:** In project villages 7% hh had life insurance policies in comparison to 1% in control villages.

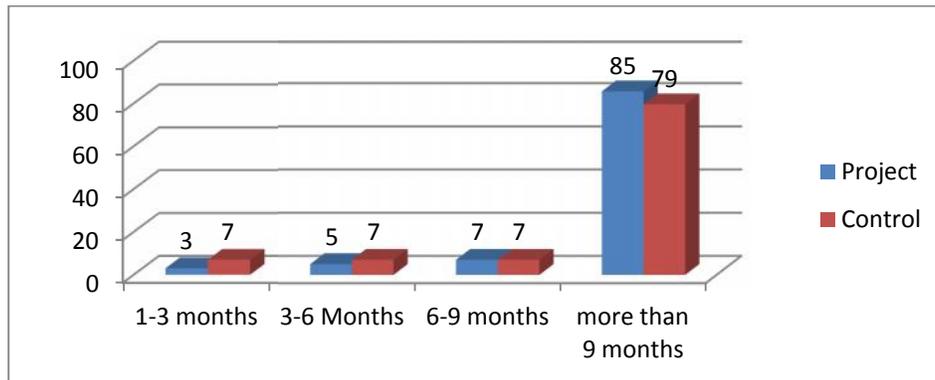
**20. Food Security:**

23% of the project hh and 29% of the control hh reported food insecurity.



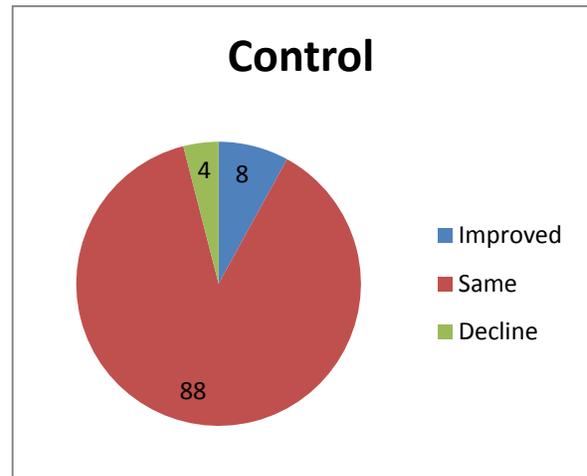
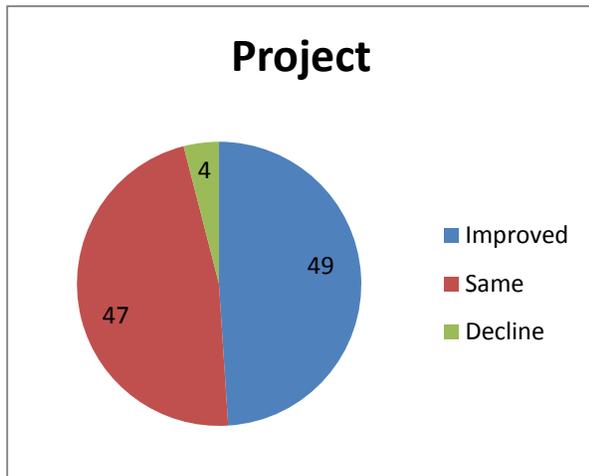
Months of food security is shown in the following table:

Food Security	1-3 months	3-6 Months	6-9 months	more than 9 months
Project	3	5	7	85
Control	7	7	7	79



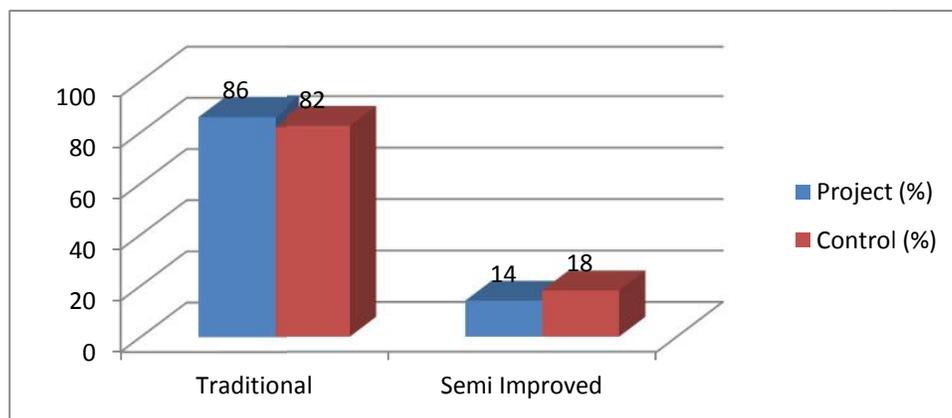
49% of project hh reported increase in the availability of foods for consumption compare to last year; only 8% hh of the control villages reported the same.

In both project villages and control villages 4% hh reported decline in the availability of foods for consumption compare to last year.



## 20. Type of Dwelling:

	Traditional	Semi Improved	Improved
<b>Project (%)</b>	86	14	0
<b>Control (%)</b>	82	18	0



19% respondent in project villages reported some kind of renovation in their house whereas only 3% reported the same in control villages.

In project villages 30% reported improvement in sanitation system in comparison to 9% in control villages.

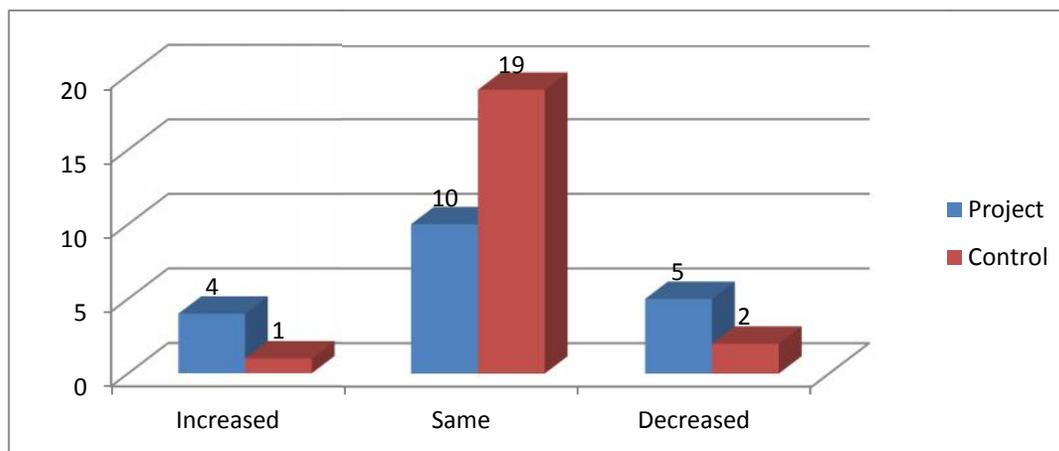
### 21: Purchase of new asset:

In project villages 29% hh and in control villages 15% hh reported purchase of new asset during the last 12 months. Types of asset purchased by the hh were as follows:

	Bicycle	Motor Cycle/ Scooter	Television	Gold/Silver Jewelry	Others
<b>Project (%)</b>	16	7	3	4	5
<b>Control (%)</b>	9	6	1	2	4

### 22. Migration:

20% of the project hh and 22% of control hh migrated during the last 12 months for earning their livelihood. Following graph shows the change in the duration of the migration



### 23. Involvement with other projects:

36% of the project hh also received benefits from the other Govt. Projects like PDS, , ICDS, Birsa Awas Yojna etc.

23% of the control hh also received benefits from the other Govt. Projects like PDS, Birsa Awas Yojna, ICDS etc.

The following table shows the outcome of some key indicators between project and non project villages:

Sl no	Indicators	Outcome Comparison in Key Indicators (in %)			
		AOS-2016		AOS-2017	
		Project	Control	Project	Control
<b>1</b>	<b>Household Indicators</b>				
	Male Headed HH	86	84	79	76
	Female Headed HH	14	16	21	24
	HH having income < 1700	31	39	16	35
	HH having income 1700-5000	66	60	58	58
	HH having income 5001-9000	2	1	25	7
	HH having income > 9000	1	0	1	0
<b>2</b>	<b>Wage Employment Generation</b>				
	Increase in wage income (HH)	44	1	91	8
	Increase in wage income (Female)	29	0	85	5
<b>3</b>	<b>Source of Income</b>				
	Agriculture as main source	89	80	89	86
	Daily wage as main source	4	6	6	11
	Multiple source of Income	59	47	83	66
<b>4</b>	<b>Land Tenure</b>				
	HH having cultivable land	86	77	92	90
	Landless HH	16	23	8	10
<b>5</b>	<b>Crop Production</b>				
	Access to Irrigation	54	38	71	34
	Paddy as major crop	75	67	89	77
	Excess sellable production of crop	33	28	52	22
	Increase in income from Crops	18	9	54	6
<b>6</b>	<b>Livestock Production</b>				
	HH having own livestock	77	66	80	66
	Increase in income from livestock	4	0	37	4
<b>7</b>	<b>Access to Forest</b>				
	HH having access to forest	56	49	35	19
<b>8</b>	<b>Access to financial services</b>				
	Access to Bank a/c	79	81	89	80
	Access to loan (Bank/SHG)	26	12	32	21
<b>9</b>	<b>Food security</b>				
	HH having 12 months food security	68	74	77	71
<b>10</b>	<b>New asset</b>				
	Purchase of New Asset	15	8	29	15
<b>11</b>	<b>Migration</b>				
	Migrated at least once in a year for livelihood	16	17	20	22

## List of villages:

Sl No.	District	Block	Panchayat	Village	Project/Control	No. of HH surveyed
1	Dumka	Masaliya	Kolarkonda	Kolarkonda	Project	5
2	Dumka	Masaliya	Golbandha	Golpur	Project	5
3	Dumka	Gopikandar	Musna	Dharampur	Project	5
4	Dumka	Gopikandar	Gopikandar	Jaropani	Project	5
5	Dumka	Masaliya	Harin Bahal Dhobrana	Paharpur	Control	7
6	Dumka	Gopikandar	Musna	Jamchuwa	Control	7
7	East Singhbhum	Potka	Narda	Dhengam	Project	5
8	East Singhbhum	Potka	Rasunchopa	Palidih	Project	5
9	East Singhbhum	Dumaria	Kantashol	Ghagda	Project	5
10	East Singhbhum	Dumaria	Dholabera	Janegora	Project	5
11	East singhbhum	Potka	Hesal Amda	Chutkughutu(Top Gadia)	Control	7
12	East singhbhum	Dumaria	Kumadasol	Parsa	Control	7
13	Godda	Sundarpahari	Chandana	Borwa	Project	5
14	Godda	Sundarpahari	Karmatanr	Jamuntanr	Project	5
15	Godda	Boarijore	Bada Amarpur	Bada Amarpur	Project	5
16	Godda	Boarijore	Lilatari-1	Jolo Pahad	Project	5
17	Godda	Sundarpahari	Kumaha	Paharpur	Control	7
18	Godda	Boarijore	Dumaria	Chhota Chapri	Control	7
19	Gumla	Sisai	Kudra	Kudra	Project	5
20	Gumla	Sisai	Olmunda	Semra	Project	5
21	Gumla	Sisai	Nagar	Nagar	Project	5
22	Gumla	Bharno	Karondajor	Konjali	Project	5
23	Gumla	Bharno	Dumbo	Dumbo	Project	5
24	Gumla	Sisai	Bargaon	Pilkhi	Control	6
25	Gumla	Bharno	Marasilli	Marasilli	Control	7
26	JAMTARA	JAMTARA	SAHARPURA	RAGHUNATHPUR	Project	5
27	JAMTARA	JAMTARA	CHANDRADIPA	JEETPUR	Project	5
28	JAMTARA	FATEHPUR	ASANBERIA	ASANBERIA	Project	5
29	JAMTARA	FATEHPUR	DUMURIYA	HARIRAKHA	Project	5
30	JAMTARA	JAMTARA	BARJORA	BURHIPARA	Control	7
31	JAMTARA	FATEHPUR	JAMJURI	DIGALGRAM	Control	7
32	Khunti	Arki	Todang	Gitilbera-2	Project	5
33	Khunti	Arki	Tintila	Dolda	Project	5
34	Khunti	Karra	jurdag	jurdag	Project	5

35	Khunti	Karra	Meha	Meha	Project	5
36	Khunti	Arki	Sosokuti	Jaranga	Control	7
37	Khunti	Karra	Jurdag	Sonmer	Control	7
38	Latehar	Barwadh	Mangra	Mangra	Project	5
39	Latehar	Barwadh	Kuchila	Kuchila	Project	5
40	Latehar	Manika	Dundu	Dundu	Project	5
41	Latehar	Manika	Dumbi	Dumbi	Project	5
42	Latehar	Barwadih	Chhecha	Chhecha	Control	7
43	Latehar	Manika	Sinjo	Jamuna	Control	7
44	Lohardaga	Kairo	Hanhat	Gitilgarh	Project	5
45	Lohardaga	Kairo	Gajni	Chalho	Project	5
46	Lohardaga	Bhandra	Udrangi	Hati	Project	5
47	Lohardaga	Bhandra	Bhita	Bhita	Project	5
48	Lohardaga	Kuru	Kakargarh	Ranitongri	Control	7
49	Lohardaga	Bhandra	Jamgai	Kota	Control	7
50	Pakur	Littipara	Jordiha	chhota kutlo	Project	5
51	Pakur	Littipara	Jamjori	Pipra	Project	5
52	Pakur	Amrapara	Jaraki	Gogajor	Project	5
53	Pakur	Amrapara	Panchuwara	Panchuwara	Project	5
54	PAKUR	LITTIPARA	BARAGHAGRI	KALDAM	Control	7
55	PAKUR	AMRAPARA	ALLUBERA	DANGAPARA	Control	7
56	Ranchi	Tamar		Kasamburudih	Project	5
57	Ranchi	Tamar		Kuchru	Project	5
58	Ranchi	Bundu	Taimara	Pancha	Project	5
59	Ranchi	Bundu	Baruhatu	Reda	Project	5
60	Ranchi	Tamar	Peraidih	Nuridih	Control	7
61	Ranchi	Bundu		Tilaipiri	Control	7
62	Sahibganj	Borio	BadaToffir	Chota Tateriya	Project	5
63	Sahibganj	Borio	Jetkekumarjori	Jetkekumarjori	Project	5
64	Sahibganj	Taljhari	Bada Durgapur	Mahadevpur	Project	5
65	Sahibganj	Taljhari	Brindawan	Jaskuti	Project	5
66	Sahibganj	Taljhari	Bada Durgapur	Mohulbsna	Control	7
67	Sahibganj	Borio	Jetkekumarjori	Bunda Pahar	Control	7
68	Seraikella-Kharswan	Rajnagar	Gamharia	Jarkani	Project	5
69	Seraikella-Kharswan	Rajnagar	Gamharia	Sursi	Project	5
70	Seraikella-Kharswan	Kuchai	Rugudih	Sosokera	Project	5
71	Seraikella-Kharswan	Kuchai	Chotasegoi	Chotabandi	Project	5
72	Seraikella-	Seraikella	Pandra	Digarsai	Project	5

	Kharswan					
73	Seraikella-Kharswan	Seraikella	Itakudar	Itakudar	Project	5
74	Seraikella-Kharswan	Kuchai	Baruhatu	Sursi	Control	7
75	Seraikella-Kharswan	Rajnagar	Kurma	Ghura	Control	7
76	Seraikella-Kharswan	Seraikella	Nuagaon	Bistupaduka	Control	7
77	simdeda	Sadar Simdega	Kochedega	Kochedega	Project	5
78	Simdega	Kurdeg	Khinda	Khinda	Project	5
79	Simdega	Kurdeg	Hetma	Hetma	Project	5
80	Simdega	Sadar Simdega	Pithra	Pithra	Project	5
81	Simdega	Sadar Simdega	Jokbahar	Jokbahar	Control	7
82	Simdega	Kurdeg	Dumardih	Dumardih	Control	7
83	WS	Khuntpani	Matkobera	Pandrasali	Project	5
84	WS	Khuntpani	Baralagia	Kabragutu	Project	5
85	WS	Sonua	Asantalia	Baidhmara	Project	5
86	WS	Sonua	Porahat	Sarandiapos	Project	5
87	WS	Tonto	Nimdih	Nimdih	Project	5
88	WS	Tonto	Nimdih	Sundisurnia	Project	5
89	WS	Khuntpani	Dopai	Bimdirangrui	Control	7
90	WS	Sonua	Boikera	Arjunpur	Control	7
91	WS	Tonto	Baneyabasa	Gundiposi	Control	7

**Questionnaire:****Jharkhand Tribal Development Society****Jharkhand Tribal Empowerment and livelihood Project**3<sup>rd</sup> Annual Outcome Survey (2<sup>nd</sup> & 3<sup>rd</sup> Week of December 2017-tentative)

Serial No: Project/Control .....

**General Demographic Information:**

District	
Block	
Panchayat	
Village	
Tola	

**1. Household identification:**

Name of respondent:		
Gender	Male	Female
Address		
Phone number		
Size of Household		
Age of respondent:		
Education of Respondent		
Adhaar no of Respondent:		
Voter ID no of Respondent:		

**2. Targeting and inclusion**

a. Caste, ethnic group	SC, ST, OBC, PTG, General [circle one]		
b. Gender of household head	Male		Female
c. What is your household's main source of income? (tick one only)	Own farming		Remittance
	Livestock production		Pension
	Fishing / aquaculture		Petty trade, small shop
	Farm labour		Handicrafts / weaving
	Other daily labour		Own enterprise
	Skilled labour		Non-timber forest products
	Salary / regular job		Other

d. What is your household's Secondary source of income? (you may tick more than one cell)	Own farming		Remittance	
	Livestock production		Pension	
	Fishing / aquaculture		Petty trade, small shop	
	Farm labour		Handicrafts / weaving	
	Other daily labour		Own enterprise	
	Skilled labour		Non-timber forest products	
	Salary / regular job		Other	
d. What area of land does your household own?		..... ( in acre)		
e. Average monthly house hold income in Rs	below 1700	1700-5000	5001-9000	Above 9000
g. what is your average monthly cash expenditure in Rs	below 1700	1700-5000	5001-9000	Above 9000

\* Below 1700-very poor, 1700-5000- poor, 5001-9000-Medium, Above 9000- Rich

### 3. Group membership:

To what groups do members of your household belong? [ Multiple selection Possible ]

Group type	Tick all that apply
a. SHG (JTELP)	
b. SHG (JSLPS or any other Organization)	
c. Youth Group (JTELP)	
d. Youth Group (NYK or any other Organization)	
e. Producer/farmer group	
f. Federation / producer company	
g. Marketing group / cooperative (e.g. milk collection centre)	
h. NRM group	
i. Livestock Cluster (Pig/Goat/Poultry)	
j. Vegetable Cluster	
k. Nutrition Garden Cluster	
l. None - do not belong to any of above group	

### 4. Participation:

What project activities has your household participated in over the last 12 months (or since the project started)? [ Multiple selection Possible ]

a. Financial services- Credit, savings and insurance. (SHG/YG)	A. Yes	B. No
b. Crop and horticultural production - Training, demonstration, input support, new technology, marketing and irrigation.	A. Yes	B. No
c. Livestock production- Training, demonstration, input support, new technology, marketing, breeding, health care, housing and investment.	A. Yes	B. No
d. Non-timber forest products - Management of natural resource, planting and marketing.	A. Yes	B. No

e. Non-farm enterprise - Training, investment, marketing and technology.	A. Yes	B. No
f. Aquaculture/Fish farming	A. Yes	B. No
g. Natural resource management - Natural resource planning, tree planting, water supply and soil and water conservation.	A. Yes	B. No
h. Land rights / - Land redistribution and ownership titles.	A. Yes	B. No
i. Women Empowerment :- Training, Exposure visit, Marketing, Debt redemption, Drudgery reduction, Micro Livelihood Plan, Ultrapoor Support, Social Enterprises Development etc	A. Yes	B. No
j. None - we did not participate in any.	A. Yes	B. No

### 5. Employment Generation

i. Since the beginning of JTELP how do you rate you employment generated from engagement with project (for all household members combined)?	Significantly gone up	moderately gone up	More or less same	moderately gone down	significantly gone down
ii. Since the beginning of JTELP how do you rate you employment generated from engagement with project (for female members of household)?	Significantly gone up	moderately gone up	More or less same	moderately gone down	significantly gone down

Total amount received from wage payment from JTELP activities	In last 12 months (In Rs)	Since the beginning of the project (In Rs)
For all HH members		
For only female members of HH		

### 6. Contact and satisfaction with project over last 12 months

a. How often do you have contact with project staff over the last 12 months?	Frequently <input type="checkbox"/>
	Occasionally <input type="checkbox"/>
	Rarely <input type="checkbox"/>
b. How satisfied are you with the project?	Very satisfied <input type="checkbox"/>
	Moderately satisfied <input type="checkbox"/>
	Not at all satisfied <input type="checkbox"/>

**7a. Training and capacity building: What training, study tours & workshop have members of your household received or participated in?**

Category of training subjects	a. Number of training courses / events <sup>1</sup>	
	In last 12 months	Since start of project (April 2015)
a. SHG management,		
b. Crop & horticultural production (Agriculture/Horticulture/Nutrition garden/Vegetable cluster/SRI)		
c. Livestock / fisheries (Pig/Goat/Poultry)		
d. Enterprise development, marketing		
e. Natural resource management (Land and Water work planning/Lac/Tasar)		
f. Social, empowerment, health		
g. Other (specify)		

<sup>1</sup>Includes tours and exposure visits

**7b. Training and capacity building: quality and usefulness**

**Overall, how well was this training delivered? was it useful? have you adopted any part of it?**

b. Rating of training <sup>2</sup>		
a. Delivery <sup>3</sup>	b. Useful <sup>3</sup>	c. Adopted <sup>3</sup>
Enter rating ==>>>>>		

<sup>2</sup>Rating only if respondent has had some training.

<sup>3</sup>Rating of each criteria (how well training was delivered?, was it useful? have what was learned been adopted?) according to following scores 3=good/ largely adopted, 2=average/ partly adopted, 1=poor/not at all adopted

**8. Use of Service Providers and Rating**

What support did you get in the last 12 months from the various service providers?

[Multiple selection Possible]

How good are these service providers in terms of access, responsiveness and effectiveness?

Type of service provision	Project staff (JTDS-DPMU)	NGO's staff	Govt. Line Department	Other agencies
Access to financial services (SHG/YG)				
Crop or horticultural inputs and production support				
Livestock healthcare and inputs				
Marketing of farm and non-farm products				
Processing/Grading/Packaging/SME				
Other (please specify):				

[Score: 3=good, 2=average, 1=poor]

### 9. Adoption of new technology

Technology 1- SRI of Paddy		
Have you	Tried this technology?	Yes / No/Don't Know
	Think it useful or effective?	Yes / No/Don't Know
	Adopted and will continue to use?	Yes / No/Don't Know
	seen any significant increase in production?	Yes / No/Don't Know
	If yes, then how much is the production in Kg/hectare	
Technology 2- Improved Vegetable Cultivation		
Have you	Tried this technology?	Yes / No
	Think it useful or effective?	Yes / No
	Adopted and will continue to use?	Yes / No
	seen any significant increase in production?	Yes / No
	If yes, then how much is the production in Kg/hectare	
Technology 3- Improved Mango Plantation		
Have you	Tried this technology?	Yes / No
	Think it useful or effective?	Yes / No
	Adopted and will continue to use?	Yes / No
	seen any significant increase in production?	Yes / No
	If yes, then how much is the production in Kg/hectare	
Technology 3- Improved Housing for Livestock		
Have you	Tried this technology?	Yes / No
	Think it useful or effective?	Yes / No
	Adopted and will continue to use?	Yes / No
	seen any significant increase in production?	Yes / No
	If yes, then how much is the kidding rate/year	

### 10. Soil & water conservation and irrigation

a. Have you used pond/shallow well water for irrigation?	Yes / No
a. When do you use irrigation water (Circle - may circle more than one)	Rabi/ Kharif/ Garma
b. How many days you have used water from Pond/ shallow well in Kharif	
c. How many days you have used water from Pond/ shallow well in Rabi	
d. How many days you have used water from Pond/ shallow well in Garma (Summer)	
e. Increase in area of land irrigated In acre	
i. Do you have pump set for irrigation – (Tick one)	Yes / No
j. Received pump set from (Tick one)	Project/Own
k. How many days you use pump set in last year	

## 10. Crop production:

a. Does your household cultivate field crops? Yes/No			
Paddy	In the last year how has production changed? Increase / the same / decrease		
	(ii) details of Paddy production and sales over the last two years		
		Current year (2017)	Previous year (2016)
	Total area (acres)		
	Total production (Qtals)		
	Consumed at home (Qtals)		
Sold or given away (Qtals)			
Maize (Bhutta)	In the last year how has production changed? Increase / the same / decrease		
	(ii) details of Maize (Bhutta) production and sales over the last two years		
		Currentt year (2017)	Previous year (2016)
	Total area (acres)		
	Total production (Qtals)		
	Consumed at home (Qtals)		
Sold or given away (Qtals)			
Oil Seeds	In the last year how has production changed? Increase / the same / decrease		
	(ii) details of Oil seed production and sales over the last two years		
		Current year (2017)	Previous year (2016)
	Total area (acres)		
	Total production (Qtals)		
	Consumed at home (Qtals)		
Sold or given away (Qtals)			

## 11. Vegetable Cultivation:

a. Does your household cultivate vegetable? Yes/No			
Vegetable	In the last year how has production changed? Increase / the same / decrease		
	(ii) details of Vegetable production and sales over the last two years		
		Current year (2017)	Previous year (2016)
	Total area (acres)		
	Total production (Qtals)		
	Consumed at home (Qtals)		
Sold or given away (Qtals)			

## 12. Mango Orchard?

a. Did you receive any sapling from the project? Yes/No

b. If yes, then how many no.?

Total no. of Saplings received		
Mango	Guava	Timber & Shrubs

c. How many survived till date?

Total no. of Saplings survived till date		
Mango	Guava	Timber & Shrubs

### 13. Livestock

a. Does your household keep any livestock? Yes /no	
If yes:	a. How many animals does your household keep?
	b. How many animals/birds you received from the project?
	c. In the last year how has the number of animals changed? Increase / the same / decrease
	d. In the last year how has production of livestock products (eggs, animals for sale, etc) changed? Increase / the same / decrease

b. Amt earned from Livestock activities	Amount earned by selling eggs/animals etc. received from the project.	Amount earned by selling eggs/animals etc. purchased from own resources.
i. Pig		
ii.. Goats		
iii. Poultry		
iv. Other animal (Pls specify)		

C. Mortality rate in last one year (In numbers)

Animal/Bird	Received from project	Mortality	Egg produced/ Offspring born	Mortality of offspring
i. Poultry birds				NA
ii. Goats				
III. Pigs				

### 14. Aquaculture/Fish farming

a. Does your household involved in fish farming? Yes/No			
Vegetable	In the last year how has production changed? Increase / the same / decrease		
	(ii) details of fish production and sales over the last two years		
		Current year (2017)	Previous year (2016)
	Total area (acres)		
	Total production (Qtals)		
	Consumed at home (Qtals)		
Sold or given away (Qtals)			

### 15. Common Forest

Do you have common forest (khud katti) in your village	Yes/No
If Yes	
Do you have access to the forest	Yes/No
What is the area of the forest (in Acre)	
How old is the forest (In years)	
For what purpose you access the forest (Multiple selection possible)	a. Fuel wood
	b. Lac rearing
	c. Tasar cocoon
	d. collection of NTFP like tamarind, mahua, kendu leaves etc.

### 16. Non Timber Forest Produces

a. Does your household have access to or use public or community forest?	Yes / No	
If yes	b. Has access to forest resources changed?	Improved/ the same / got worse
	c. Has production/off take from forest resources changed?	Increase / the same / decrease
	d. What are the produces you collect from the forest? (Pls tick – may tick more than one)	Tamarind, Mahua, Sal leaves, Kendu leaves etc.
	d. Are products collected from forest sold?	Yes / no
	If yes	e. Value of sales in last 12 months
f. Value of sales in previous 12 months		Rs

### 17. Marketing channels

a. Are you using a new way of marketing your production? (such as collective marketing, linkage to an agribusiness, contract production, processing for value addition)	Yes / No	
If yes?	This year	Previous year
b. What percentage of your production is sold through this new channel?		
c. What is the value of production sold through the new channel?	Rs	Rs
d. Do you get a better price as a result of using the new marketing channel?	Yes / No	

### 18. Financial services

a. Do you have a bank account?	Yes / no	
b. Do you now have any savings?	Yes / no	
If yes, who are these with?	Bank	Yes / no
	SHG or other type of group	Yes / no
	Post Office	Yes / no
	Other agency	Yes / no
	In cash	Yes / no

c. In the last 12 months, did you take any loans?		Yes / no
If yes, What were the sources of these loans?	Bank	Yes / no
	SHG	Yes / no
	Post Office	Yes / no
	MFI	Yes / no
	Other agency	Yes / no
	Informal	Yes / no
d.a If yes, in total how much did you take in loans in last year?		Rs
d.b What is the rate of interest?		
If yes, approximately how was this money used?	Income generating activities	Rs
	Farming	Rs
	Other investment	Rs
	House & property	Rs
	Health expenses	Rs
	Education	Rs
	Weddings & social events	Rs
	Other consumption	Rs
	Repayment of other loans	Rs
	Total amount borrowed	Rs
e. Do you now have any insurance policies?		Yes / no
If yes, what type of policies?	Life	Yes / no
	Savings linked life	Yes / no
	Accident	Yes / no
	Property / house	Yes / no
	Health	Yes / no
	Livestock	Yes / no

## Objective: 19. Income

a. How has your total household income changed in the last year?		Increase / the same / decrease
a.i. If Increases/Decreases, then by how much amount?		
b. Does your household have income from crops?		Yes / no
If yes	How has this income changed in the last year?	Increase / the same / decrease
c. Does your household have income from vegetables, fruit, tree crops?		Yes / no
If yes	How has this income changed in the last year?	Increase / the same / decrease
d. Does your household have income from livestock?		Yes / no
If yes	How has this income changed in the last year?	Increase / the same / decrease
e. Does your household have income from capture fisheries?		Yes / no
If yes	How has this income changed in the last year?	Increase / the same / decrease
f. Does your household have income from a non-timber forest products?		Yes / no
If yes	How has this income changed in the last year?	Increase / the same / decrease
g. Does your household have income from a non-farm enterprise?		Yes / no
If yes	How has this income changed in the last year?	Increase / the same / decrease

## 20. Food security

a. Did your household suffer from have any shortage of food during the last 12 months?	Yes / no
If there is insecurity for how many months they are food secure?	
b. How has the overall availability of food changed in the last 12 months?	Improved/ the same / got worse
c. How has the quality and type of food consumed by your household changed in the last 12 months?	Improved/ the same / got worse

## 21. Housing and Asset

a. What type of house do you have?	Traditional / semi-Pakka /Pakka				
b. Has your house been enlarged or improved in the last 12 months?	Yes / No				
c. Has your water supply and/or sanitation been improved in the last 12 months?	Yes / No				
d. Do you bought any new asset in the last year	Bicycle	Motor Cycle/ Scooter	Television	Gold/Silver/ Jewellery	Any other (Pls specify)

## 22. Migration

Whether do you or any member of your HH go to other places for income/livelihood	Yes/No
Is there any change in period of Migration	increased/same/decreased

## 23. Involvement with other project

Are getting benefit from any other project/ Govt. sponsored scheme	Yes/No
If yes, Pls specify- (The no. of schemes mentioned may more than one and need to be listed)	
Have you ever stopped using the services of project	Yes/No
If yes state which services did you stop using (question pertains to services that you were using earlier but have since stopped) - may be more than one.	