

**International Fund for Agricultural Development (IFAD)**  
**Assisted**  
**Jharkhand Tribal Empowerment and Livelihoods Projects**  
**(JTELP)**



**ANNUAL OUTCOME SURVEY**  
**2016**

**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, 53,090 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 2016

As per IFAD Guideline, Annual Outcome Survey is to conduct every year for monitoring outcome level result and effectiveness of project implementation. For year 2016, AOS has been carried out during the period December-2016 – January2017.

### 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 December 2016 at Conference-hall of Jharkhand Tribal Development Society – SPMU, Morabadi, Ranchi with the support of Dr. Ram Dayalmunda Mnda Tribal Research Institute, Ranchi.

The training-workshop was attended by all key staffs of JTDS and field enumerators of Dr. Ram Dayalmunda Munda Tribal Research Institute

### 4. Sample Selection:-

Sampling frame - As per technical guideline of IFAD, simple household survey has been undertaken **by field enumerators of Dr. Ram Dayalmunda Munda Tribal Research Institute**, as mentioned above (who was the participant in the AOS training) and has been covered a small sample of 500 households (90 villages, 5-7 households/village) selected randomly (using stratified random method) of all the villages targeted by JTELP & JTDP and control villages nearby geographical local of the JTELP villages. 300 hh were surveyed from the treatment villages comprising both JTELP and JTDP villages and 200 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	
		JTELP		JTDP		Total			
		Villages	HH	Villages	HH	Villages	HH	Villages	HH
West Singbhum	Khuntpani	1	5	1	5	2	10	1	7
	Sonua	1	5	1	5	2	10	1	7
	Tonto	1	5	1	5	2	10	1	7
Saraikela Kharsawan	Rajnagar	1	5	1	5	2	10	1	7
	Kuchai	1	5	1	5	2	10	1	7
	Saraikela	2	10	0	0	2	10	1	7
East Singbhum	Dumaria	1	5	1	5	2	10	1	7
	Potka	1	5	1	5	2	10	1	7
Khunti	Erki	1	5	1	5	2	10	1	6
	Karra	2	10	0	0	2	10	1	6
Ranchi	Bundu	1	5	1	5	2	10	1	7
	Tamar	1	5	1	5	2	10	1	7
Lohardaga	Bhandra	2	10	0	0	2	10	1	6
	Kairo	2	10	0	0	2	10	1	6
Gumla	Sisai	2	10	0	0	2	10	1	7
	Verno	2	10	0	0	2	10	1	7
Simdega	Simdega	2	10	0	0	2	10	1	7
	Kurdeg	2	10	0	0	2	10	1	7
Latehar	Manika	2	10	0	0	2	10	1	6
	Barwadih	2	10	0	0	2	10	1	6
Dumka	Masalia	2	10	0	0	2	10	1	6
	Gopikandar	2	10	0	0	2	10	1	6
Godda	Sundar Pahari	2	10	0	0	2	10	1	7
	Boarijor	2	10	0	0	2	10	1	7
Sahibganj	Borio	2	10	0	0	2	10	1	7
	Taljhari	2	10	0	0	2	10	1	7
Pakur	Littipara	2	10	0	0	2	10	1	7
	Amrapara	2	10	0	0	2	10	1	7
Jamtara	Jamtara	2	10	0	0	2	10	1	6
	Phatepur	2	10	0	0	2	10	1	6
Total		50	250	10	50	60	300	30	200

## 5. Data Collection:-

Data collection done by field enumerators of Dr. Ram Dayalmunda Munda Tribal Research Institute from the Household surveys 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).

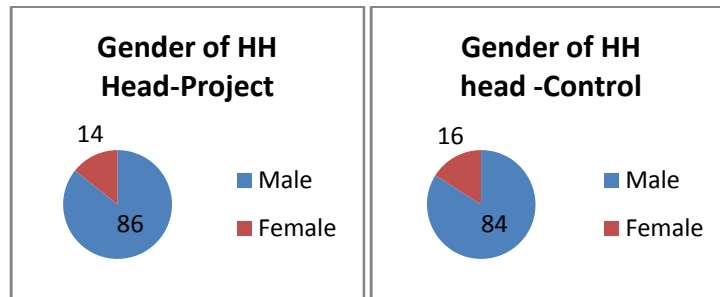
The data has included *beneficiaries and non-beneficiaries* households since the selection of the households in the villages has been done randomly on all the households living in the village.

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 86% household area headed by male in project and 84% in control villages.

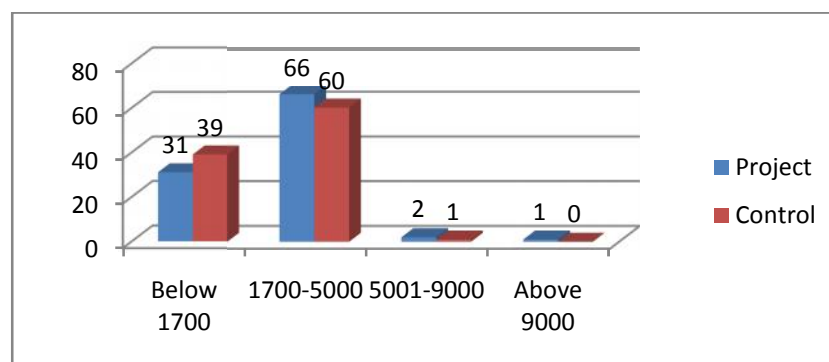


14% households are headed by female in project area and 16% in control village.

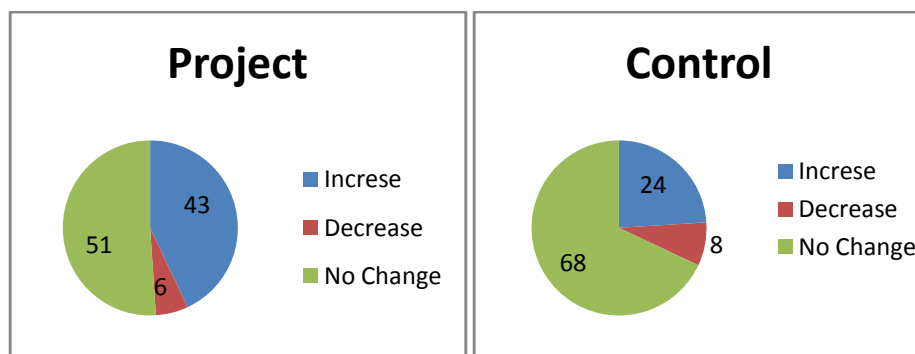
Caste wise percentage of the respondent:

Caste	% in Project	% in Control
Gen	1	1
OBC	5	5
PTG	9	10
SC	2	5
ST	82	79

In project village's 31% respondent told that they have monthly average income of below Rs.1700/- where as in control villages 39% respondent told the same. 66% of the household is having income of Rs. 1701-5000 in project villages in comparison of 60% of control villages. 2% of project villages reported income of Rs. 5001-9000 and only 1% of control village reported same. Only 1 hh reported income of more than Rs.9000 in project villages and none in the treatment villages.



In project villages 43% reported increase in income whereas 6% reported decrease and 51% told of no change. In control villages 24% reported increase in income whereas 8% reported decrease and 68% told no change.



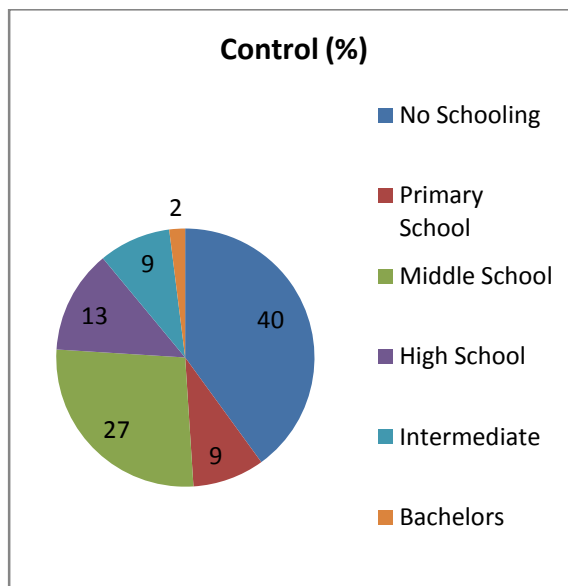
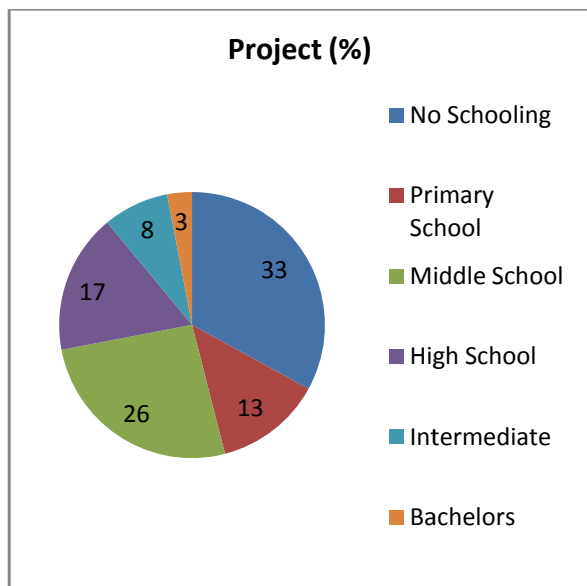
### 8. Household Identification:

In project villages 70% hh reported that they are part of the SHG; in control villages 55% hh reported the same.

In Project Villages 15% hh received training on Livestock Production, 13% hh received training on improved agricultural practise and 8% hh received training on Natural Resource Management. No such trainings were reported in the control villages.

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

	No Schooling	Primary School	Middle School	High School	Intermediate	Bachelors
<b>Project (%)</b>	33	13	26	17	8	3
<b>Control (%)</b>	40	9	27	13	9	2



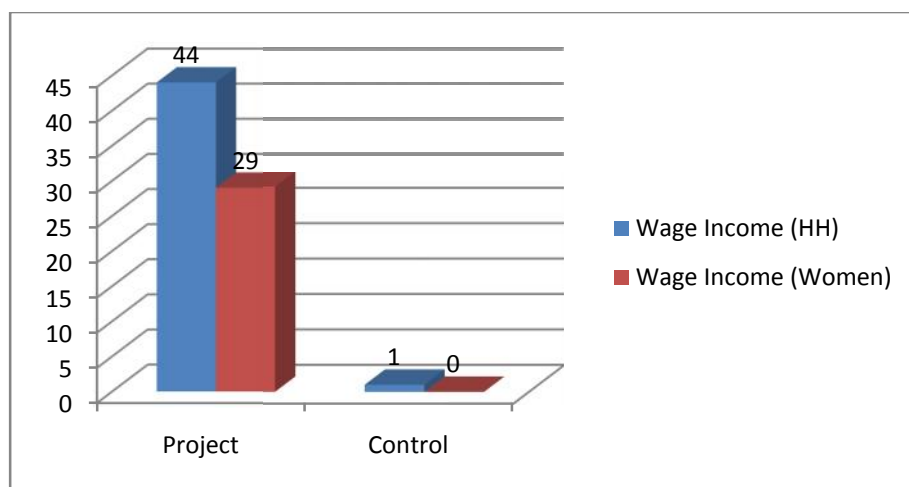
In both project and control villages significant percentage of HH head did not attend any formal schooling.

### 9. Wage Employment Generation

In project villages 44% reported increase in HH wage income (26% reported significant increase and 18% reported moderate increase), whereas 17% reported decrease in HH wage income.

In control villages only 1% reported increase in wage income but only 7% reported decrease in wage income.

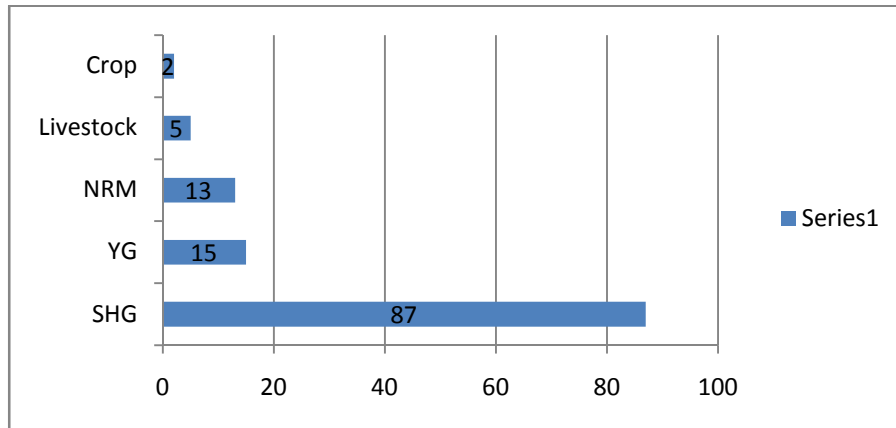
With respect to women participation in wage employment; in project villages 29% reported increase but none in control villages reported the same.





### 10. Involvement in Project Activity:

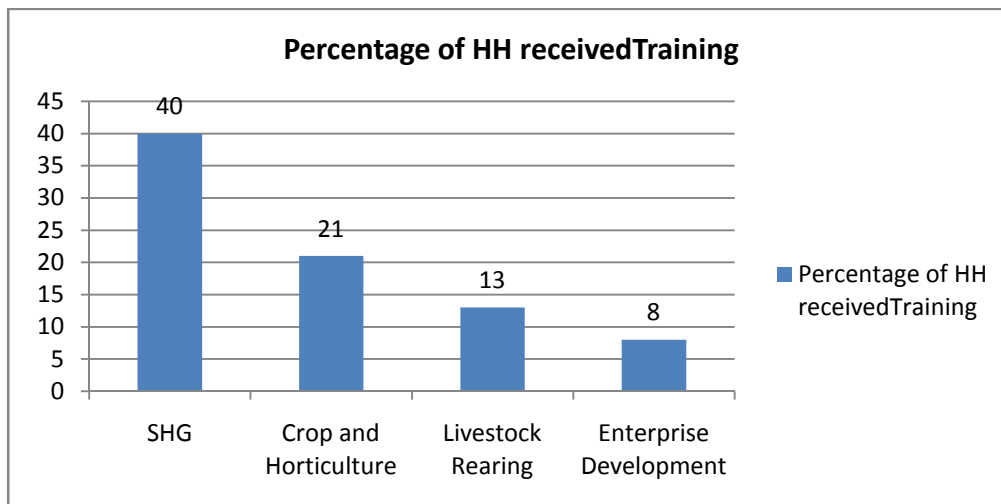
In project villages 87% reported engagement with SHG and 15% with Youth Group. 13% reported involvement with NRM activity, 5% with Livestock activity and 2% with improved and scientific crop production.



74% of the respondent reported satisfaction with the project activities. When asked about the regularity of contact with the project staffs; 57% reported frequent, 35% reported occasional and 7% reported rear.

### Type of training received:

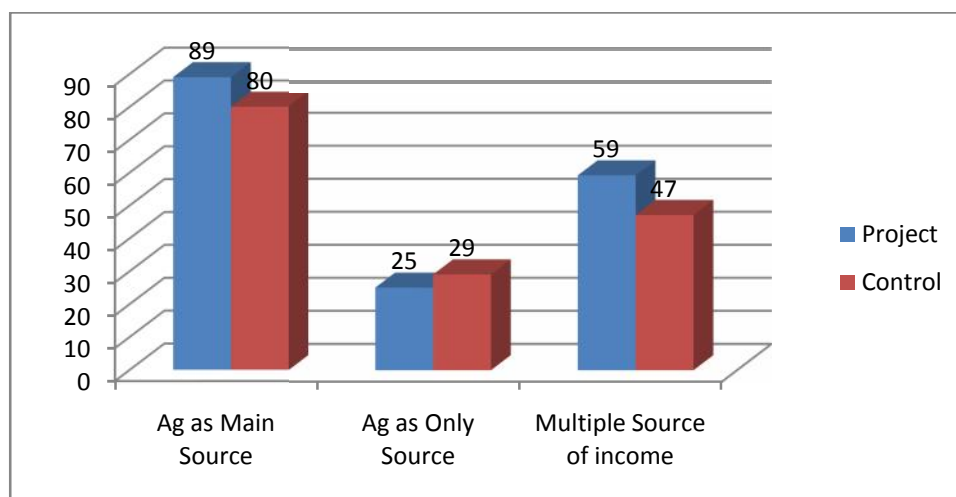
In project villages 40% hh received training on SHG management, 21% on Crop and Horticulture, 13% on livestock rearing and 8% received training on enterprise development.



### 11. Main source of income:

In project villages 89% hh reported agriculture is their main source of income and among them 25% reported that agriculture is their only source of income. 4% of hh reported daily wage as main source of income. 59% hh was having multiple source of income.

In control villages 80% hh reported agriculture as their main source of income among them 29% reported that agriculture is their only source of income. 6% of hh reported daily wage as main source of income. 47% hh was having multiple source of income.



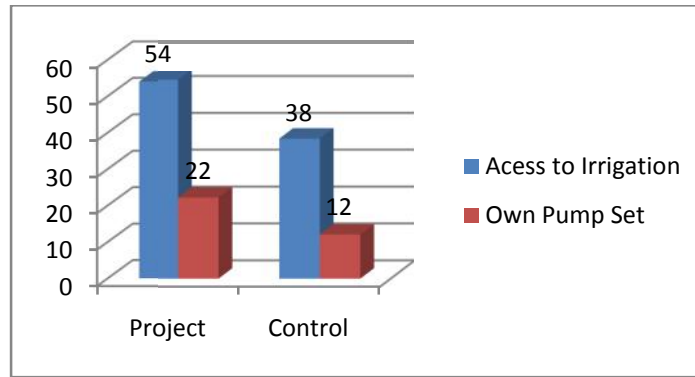
### 12. Use of New Agricultural technology:

**SRI:** In project villages 20% respondent used the SRI of Paddy and among them 87% observed significant increase in production and would continue to use the technology in future.

In control villages none of the respondent used the SRI method.

### 13. Availability of Irrigation:

In project villages 54% of respondent had access to irrigation water & 22% had their own pump sets for irrigation; in comparison, 38% of control villages having access to irrigation and 12% having pump sets.



In project villages 38% used irrigation for 1-10 days, 6% used irrigation for 11-20 days and 10% used irrigation more than 20 days in Rabi (winter) season.

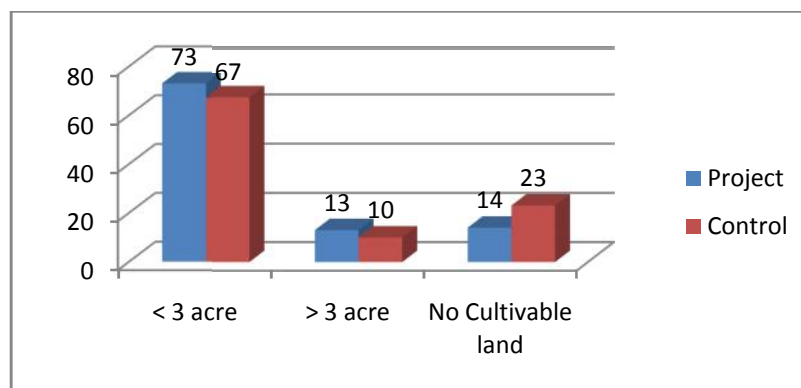
In control villages 23% used irrigation for 1-10 days, 10% used irrigation for 11-20 days and 5% used irrigation more than 20 days in Rabi (winter) season.

In Garma (summer) use of irrigation is negligible both in Project and Control villages which is only 1% of the respondent.

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

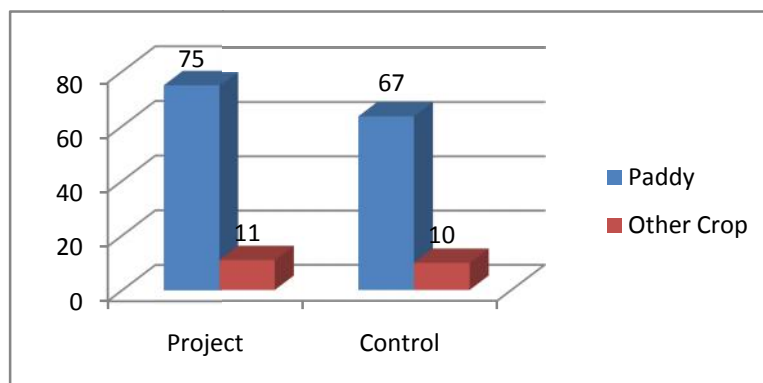
In Project villages 73% hh reported cultivable land of less than 3 acre, 13% hh reported cultivable land of more than 3 acre and 14% hh did not own any cultivable land.

In control villages 67% hh reported cultivable land of less than 3 acre, 10% hh reported cultivable land of more than 3 acre and 23% hh did not own any cultivable land.

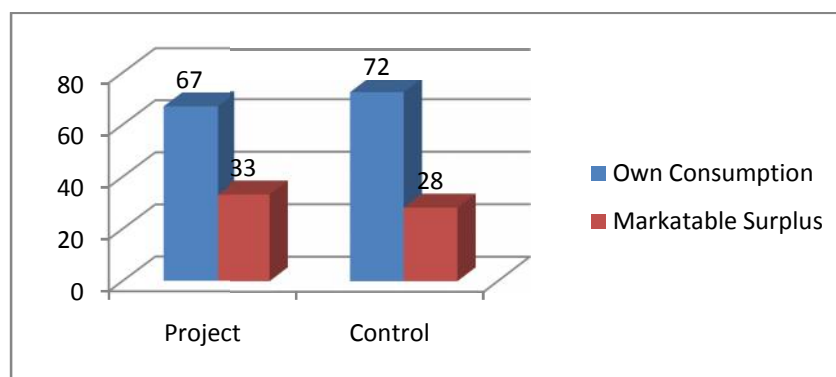


In project villages 75% cultivate paddy as the major crop and only 11% cultivate other crops like Maize, Barbatti, Pigeon pea, Mastard, Wheat etc. as the major crop.

In control villages 67% cultivate paddy as the major crops and only 10% cultivate other crops like Maize, Barbatti, Pigeon pea, Mastard, Wheat etc. as the major crop.



In project villages 33% of paddy cultivator had excess sellable production whereas in control villages 28% of paddy cultivator had excess sellable production.



In project villages 24% hh cultivated two crops where as 23% in control villages cultivated two crops in a year.

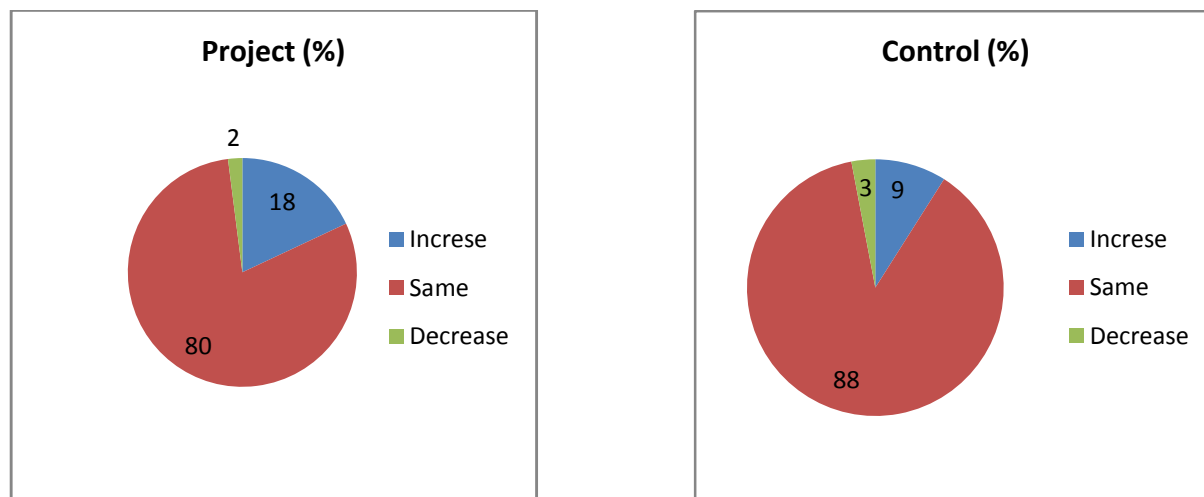
In project villages, 11% hh involved in horticultural activities in comparison with 8% hh of the control villages.

In project villages, 36% hh grow vegetables whereas in control villages 20% hh grow the same.

In project villages 12% hh involved in horticulture and among them 63% had mango plants; while in control villages 13% hh involved in horticulture but only 42% had mango plants.

18% of the cultivators in project area reported increase in income and 2% reported decline while rest reported no change.

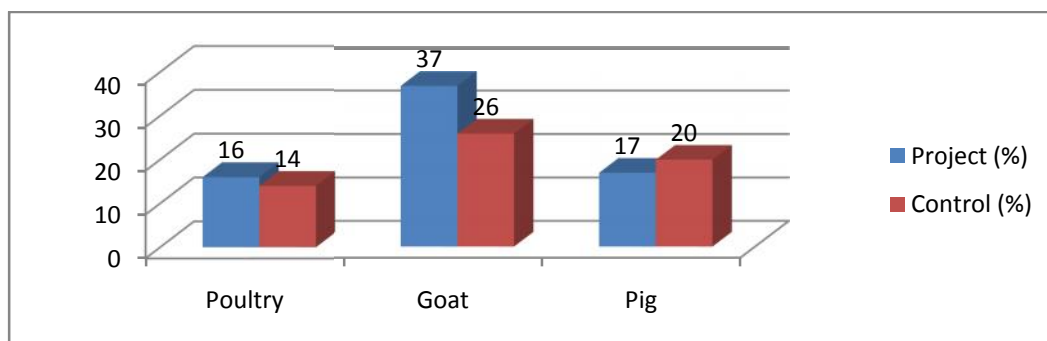
9% of the cultivators in control area reported increase in income and 3% reported decline while rest reported no change.



### 15. Livestock Production:

In project villages 77% hh owned any kind of livestock. In control villages 66% hh owned any kind of livestock. Type of livestock owned by the hh in project and control villages is shown as follows:

Animals	Project (%)	Control (%)
Poultry	16	14
Goat	37	26
Pig	17	20

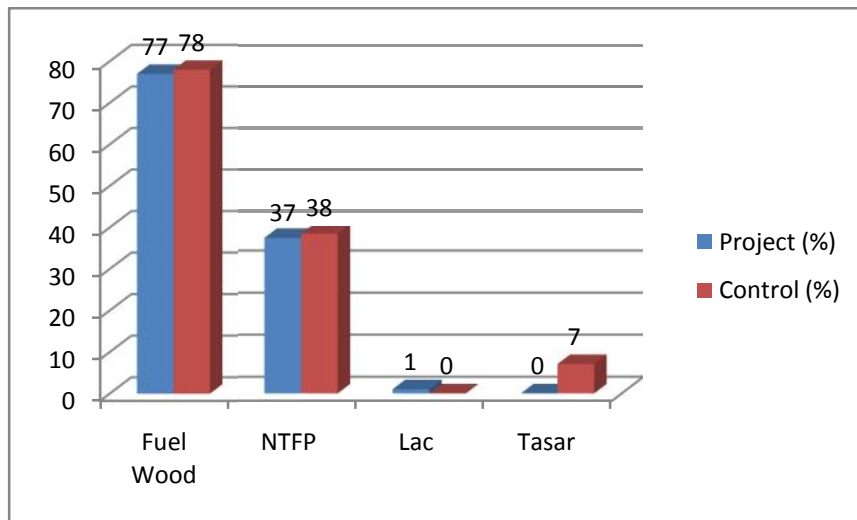
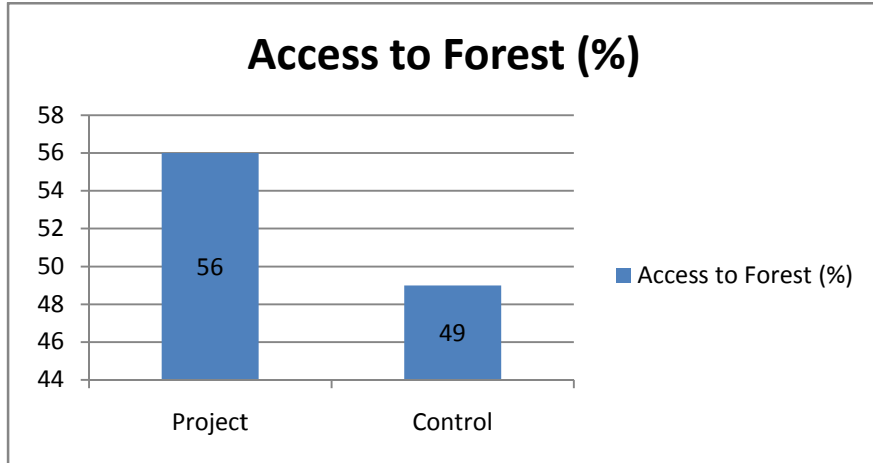


Only 4% of the livestock owner reported increase in income from livestock in project area and none from control reported any increase. Rest of the hh reported same income and none reported any decline both from project and control villages.

## 16. Access to Forest:

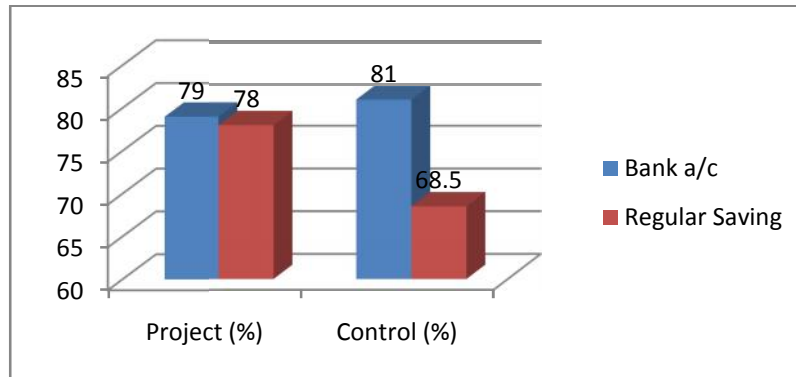
In project villages 56% hh replied that they had access to the forest. 77% used the forest for fuel wood collection, 37% used for NTFP collection and only 1% for lac rearing.

In control villages 49% hh replied that they had access to the forest. 78% used the forest for fuel wood collection, 38% used for NTFP collection and 7% for tasar rearing.



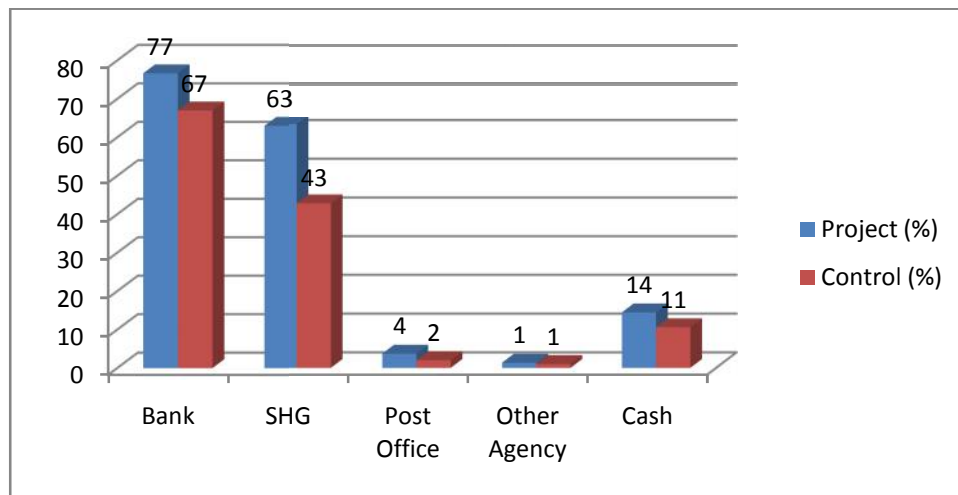
### 17. Access to formal financial services and Savings:

In project villages 79% of the hh is having bank a/c whereas in control villages 81% of hh is having bank a/c. 78% hh, in project villages had regular savings in comparison with 68.5% 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>	77	63	4	1	14
<b>Control (%)</b>	67	43	2	1	11



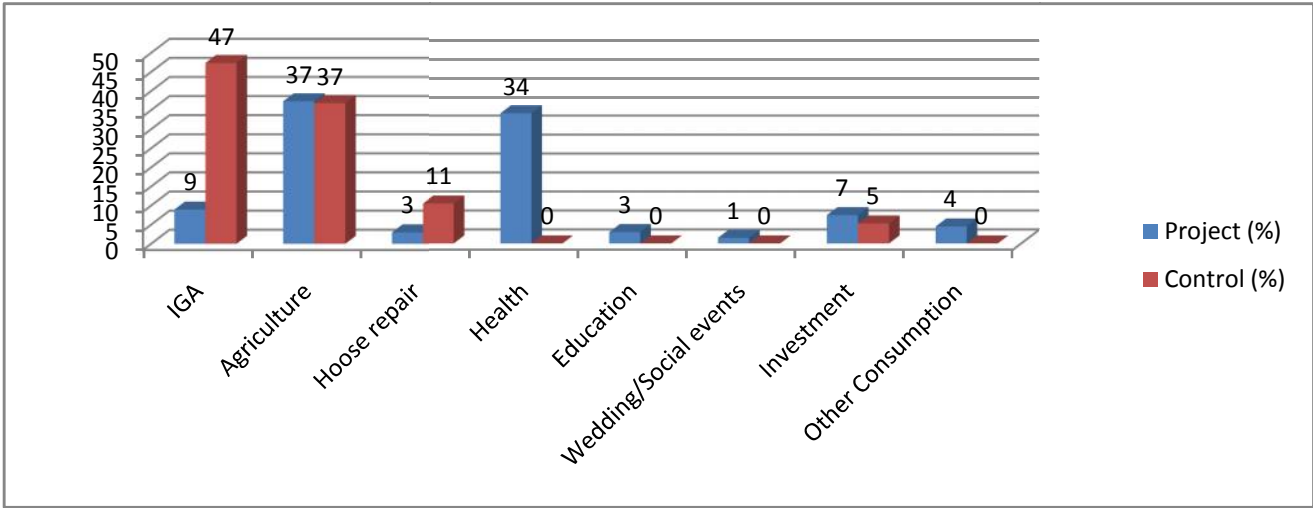
### 18. Access to Loan and utilization:

In project villages 26% hh had taken loan from either bank or SHG. Among them 73% took loan from SHG and rest 27% took it from Bank.

In control villages 12 % hh had taken loan from either bank or SHG. Among them 70% took loan from bank and only 30% took loan from SHG.

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

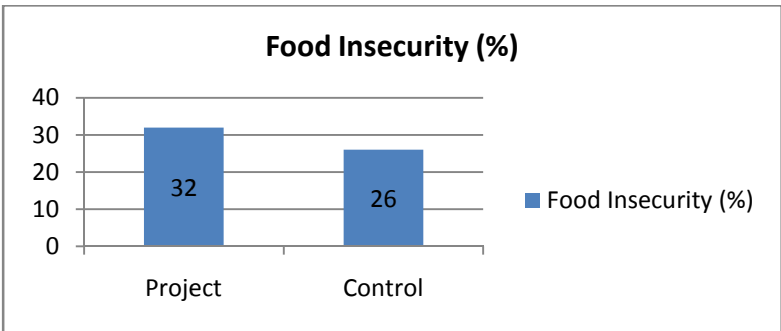
	IGA	Agriculture	House repair	Health	Education	Wedding/ Social events	Investment	Other Consumption
<b>Project (%)</b>	9	37	3	34	3	1	7	4
<b>Control (%)</b>	47	37	11	0	0	0	5	0



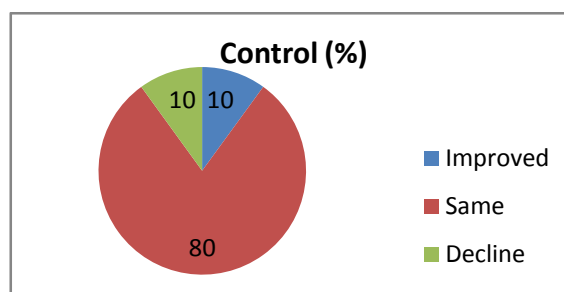
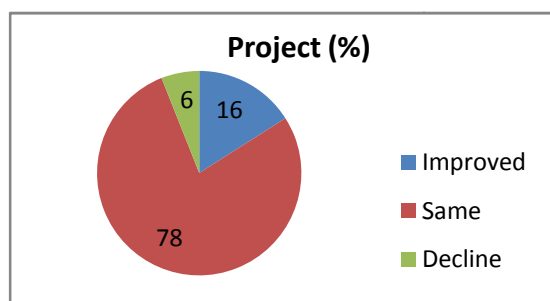
**19. Food Security:**

32% of the project hh and 26% of the control hh reported food insecurity. 16% of project hh reported increase in the availability of foods for consumption compare to last year; only 10% hh of the control villages reported the same.

In project villages 6% reported decline in the availability of foods for consumption compare to last year; but 10% hh of the control villages reported the same.

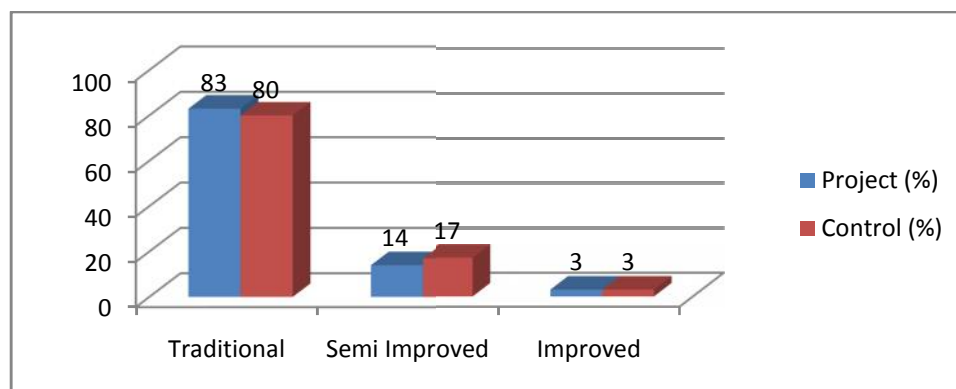






## 20. Type of Dwelling:

	Traditional	Semi Improved	Improved
<b>Project (%)</b>	83	14	3
<b>Control (%)</b>	80	17	3



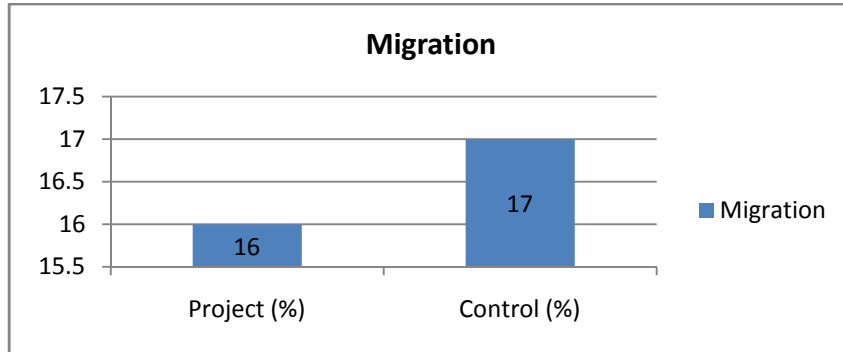
## 21: Purchase of new asset:

In project villages 15% hh and in control villages 8% 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	Ag. Equipment
<b>Project (%)</b>	4	1	1	5	7
<b>Control (%)</b>	3			1	8

## 22. Migration:

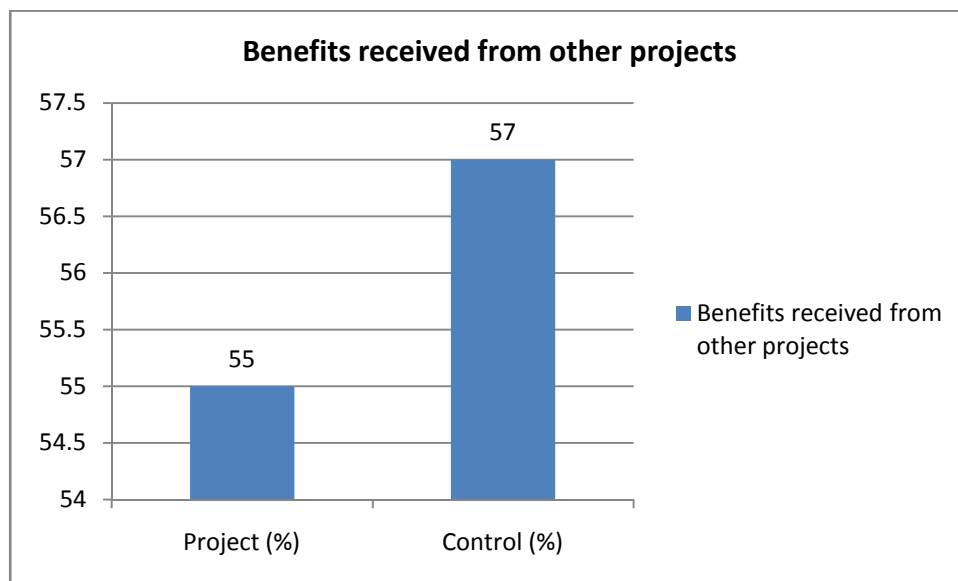
16% of the project hh and 17% of control hh migrated during the last 12 months for earning their livelihood.



## 23. Involvement with other projects:

55% of the project hh also received benefits from the other Govt. Projects like PDS, MGNREGA, ICDS etc.

57% of the control hh also received benefits from the other Govt. Projects like PDS, MGNREGA, 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-2015		AOS-2016	
		Project	Control	Project	Control
<b>1</b>	<b>Household Indicators</b>				
	Male Headed HH	92	91	86	84
	Female Headed HH	8	9	14	16
	HH having income < 1700	53	33	31	39
	HH having income 1700-5000	45	46	66	60
	HH having income 5001-9000	2	18	2	1
	HH having income > 9000	0	3	1	0
<b>2</b>	<b>Wage Employment Generation</b>				
	Increase in wage income (HH)			44	1
	Increase in wage income (Female)			29	0
<b>3</b>	<b>Source of Income</b>				
	Agriculture as main source	54	55	89	80
	Daily wage as main source	34	29	4	6
	Multiple source of Income			59	47
<b>4</b>	<b>Land Tenure</b>				
	HH having cultivable land	74	80	86	77
	Landless HH	26	20	16	23
<b>5</b>	<b>Crop Production</b>				
	Access to Irrigation			54	38
	Paddy as major crop			75	67
	Excess sellable production of crop	25	20	33	28
	Increase in income from Crops			18	9
<b>6</b>	<b>Livestock Production</b>				
	HH having own livestock	78	80	77	66
	Increase in income from livestock			4	0
<b>7</b>	<b>Access to Forest</b>				
	HH having access to forest			56	49
<b>8</b>	<b>Access to financial services</b>				
	Access to Bank a/c			79	81
	Access to loan (Bank/SHG)			26	12
<b>9</b>	<b>Food security</b>				
	HH having 12 months food security	65	72	68	74
<b>10</b>	<b>New assett</b>				
	Purchase of New Assett			15	8
<b>11</b>	<b>Migration</b>				
	Migrated at least once in a year for livelihood			16	17

## List of villages:

District	Block	Panchayat	Village	Project/Control	JTELP/ JTDP	No. of HH to be surveyed
West Singbhum	Khuntpani	Pandabir	Rangamati	Project Village	JTELP	5
West Singbhum	Khuntpani	Matkobera	Kumbharlot a	Project Village	JTDP	5
West Singbhum	Khuntpani	Dopai	Bindiranruai	Control Village		7
West Singbhum	Sonua	Dewanbir	Berasai	Project Village	JTELP	5
West Singbhum	Sonua	Asantalia	Raghoai	Project Village	JTDP	5
West Singbhum	Sonua	Govindpur	Kupil	Control Village		7
West Singbhum	Tonto	Purnapani	Gotompi	Project Village	JTELP	5
West Singbhum	Tonto	Bada jhinkpani	Talaburu	Project Village	JTDP	5
West Singbhum	Tonto	Mahuda	Gundiposi	Control Village		7
Saraikela- Kharswan	Kuchai	Arwan	Bayang	Project Village	JTELP	5
Saraikela- Kharswan	Kuchai	Rugudih	Bijar	Project Village	JTDP	5
Saraikela- Kharswan	Kuchai	Maranghatu	Kundiya Marcha	Control Village		7
Saraikela- Kharswan	Seraikela	Itakudar	Bundu	Project Village	JTELP	5
Saraikela- Kharswan	Seraikela	Chotadawna	Sinisidma	Project Village	JTELP	5
Saraikela- Kharswan	Seraikela	Nuwagoan	Rugrisai	Control Village		7
Saraikela- Kharswan	Rajnagar	Potka	Barhai	Project Village	JTELP	5
Saraikela- Kharswan	Rajnagar	Kuju	Pokkeria	Project Village	JTDP	5
Saraikela- Kharswan	Rajnagar	Vijadiah	Hensel	Control Village		7
East Singbhum	Dumaria	Dholabera	Janegora	Project Village	JTELP	5
East Singbhum	Dumaria	Dholabera	Karida	Project Village	JTDP	5
East Singbhum	Dumaria	Astakowali	Kaliyam	Control Village		7
East Singbhum	Potka	Harina	Kantasola	Project Village	JTELP	5
East Singbhum	Potka	Tangrain	Sidirsai	Project Village	JTDP	5
East Singbhum	Potka	Gangadih	Naga	Control Village		7
Khunti	Arki	Hunt	Hunt	Project Village	JTELP	5
Khunti	Arki	Upperbalallon g	Upperbalall ong	Project Village	JTDP	5

<b>District</b>	<b>Block</b>	<b>Panchayat</b>	<b>Village</b>	<b>Project/Control</b>	<b>JTELP/ JTDP</b>	<b>No. of HH to be surveyed</b>
Khunti	Arki	Sosokuti	Jaranga	Control Village		6
Khunti	Karra	Ronhe	Meha	Project Village	JTELP	5
Khunti	Karra	Padgaon	Jurdag	Project Village	JTELP	5
Khunti	Karra	Dhanamunji	kudru	Control Village		6
Ranchi	Bundu	Baruhatu	Reda	Project Village	JTELP	5
Ranchi	Bundu	Taimara	Hanjed	Project Village	JTDP	5
Ranchi	Bundu	humta	Hesada	Control Village		7
Ranchi	Taimara	Kundla	Kuchru	Project Village	JTELP	5
Ranchi	Taimara	Parasi	Kutachawli	Project Village	JTDP	5
Ranchi	Taimara	Pundidiri	Timpur	Control Village		7
Lohardaga	Bhandra	Udrangi	Hati	Project Village	JTELP	5
Lohardaga	Bhandra	Bhita	Tetarpoka	Project Village	JTELP	5
Lohardaga	Bhandra	Akashi	Kumhariya	Control Village		6
Lohardaga	Kairo	Gajni	Chalho	Project Village	JTELP	5
Lohardaga	Kairo	Sadhabe	Eradone	Project Village	JTELP	5
Lohardaga	Kairo	Kairo	Utka	Control Village		6
Gumla	Sisai	Nagar	Gokhulpur	Project Village	JTELP	5
Gumla	Sisai	Olmunda	Semra	Project Village	JTELP	5
Gumla	Sisai	Lakiya	Lakiya	Control Village		7
Gumla	Bharno	Domba	Madanpur	Project Village	JTELP	5
Gumla	Bharno	Dumbo	Dumbo	Project Village	JTELP	5
Gumla	Bharno	Attakora	Attakora	Control Village		7
Simdega	Sader simdega	Garja	Jamadohor	Project Village	JTELP	5
Simdega	Sader simdega	Sewai	Sansewai	Project Village	JTELP	5
Simdega	Sader simdega	Kulukera	Banabira	Control Village		7
Simdega	Kurdeg	Khinda	Khinda	Project Village	JTELP	5
Simdega	Kurdeg	Kurdeg	Sarpmunda	Project Village	JTELP	5
Simdega	Kurdeg	Dumardih	Dumardih	Control Village		7
Latehar	Manika	Jungur	Jungur	Project Village	JTELP	5
Latehar	Manika	Dundu	Dundu	Project Village	JTELP	5
Latehar	Manika	Khinjo	Palia	Control Village		6
Latehar	Barwadih	Chungru	Chungru	Project Village	JTELP	5
Latehar	Barwadih	Ukamar	Ukamar	Project Village	JTELP	5
Latehar	Barwadih	Ganeshpur	Ambatkar	Control Village		6
Dumka	Masaliya	Haroraidih	Manraidih	Project Village	JTELP	5

<b>District</b>	<b>Block</b>	<b>Panchayat</b>	<b>Village</b>	<b>Project/Control</b>	<b>JTELP/ JTDP</b>	<b>No. of HH to be surveyed</b>
Dumka	Masaliya	Hathiyapathar	Gaddwara	Project Village	JTELP	5
Dumka	Masaliya	Hathiyapathar	Laldangal	Control Village		6
Dumka	Gopikandar	Gopikandar	Jaropani	Project Village	JTELP	5
Dumka	Gopikandar	Surjodih	Barapather	Project Village	JTELP	5
Dumka	Gopikandar	Gpikandar	Kaido	Control Village		6
Godda	Boarijor	Kusumghati	Gariyal	Project Village	JTELP	5
Godda	Boarijor	Devipur	Devipur	Project Village	JTELP	5
Godda	Boarijor	Rajabhita	Narayanpur	Control Village		7
Godda	Sundarpahari	Tilabad	Domdih	Project Village	JTELP	5
Godda	Sundarpahari	Chandana	Angwali	Project Village	JTELP	5
Godda	Sundarpahari	Jiyajori	Paharpur	Control Village		7
Pakur	Littipara	Karmatand	Gadpahari	Project Village	JTELP	5
Pakur	Littipara	kunjbona	Dangakuria	Project Village	JTELP	5
Pakur	Littipara	Dumbo	Kathal para	Control Village		7
Pakur	Amrapara	Dumarchir	Pusarvitta	Project Village	JTELP	5
Pakur	Amrapara	Jaraki	Buridubha	Project Village	JTELP	5
Pakur	Amrapara	Salpatra	Jitko	Control Village		7
Sahibganj	Taljhari	Taljhari	Khairbani	Project Village	JTELP	5
Sahibganj	Taljhari	Boga Pahar	Bada Durgapur	Project Village	JTELP	5
Sahibganj	Taljhari	Karn purato	Kalhajhor	Control Village		7
Sahibganj	Borio	Moti Pahari	Kabda	Project Village	JTELP	5
Sahibganj	Borio	Bada Rakso	Bagdumba	Project Village	JTELP	5
Sahibganj	Borio	Moti Pahari	Bas Pahar	Control Village		7
Jamtara	Jamtara	Saharpura	Raghunathp ur	Project Village	JTELP	5
Jamtara	Jamtara	Ladna	Nitaydih	Project Village	JTELP	5
Jamtara	Jamtara	Karma	Karma	Control Village		6
Jamtara	Phatepur	Banarnacha	Teliyabandh i	Project Village	JTELP	5
Jamtara	Phatepur	Agaiyyasarmu ndi	Khairabani	Project Village	JTELP	5
Jamtara	Phatepur	Simladangal	Simladangal	Control Village		6

**Questionnaire:**

Jharkhand Tribal Empowerment and Livelihood Project
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Survey Period: 26th December 2016 to 20 <sup>th</sup> January 2017
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Project / control group

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/Voter ID no of Respondent	

**2. Targeting and inclusion**

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

Group type	Tick all that apply
a.SHG	
b. Producer/farmer group	
c. Federation / producer company	
d. Marketing group / cooperative (e.g. milk collection centre)	
e. NRM group	
f. Youth Group	



f. Other (specify)	
g. None - do not belong to any sort of group	

x

**\*4. Participation:** What project activities has your household participated in over the last 12 months?

Category of activity		Support received from the project (Tick all that apply)
a. SHG	Involved in the activities	Credit, savings, insurance
b. Youth Group	Involved in the activities	Cultural, Income generating, Social awareness, saving, credit
c. Crop and horticultural production	Support received from the project	Training, demonstration, input support, new technology, marketing, irrigation
d. Livestock production	Support received from the project	Training, demonstration, input support, new technology, marketing, breeding, health care, housing, investment
d. Aquaculture	Support received from the project	Training, demonstration, input support, new technology, marketing, pond development
e. Capture fisheries	Support received from the project	Training, marketing, sanctuaries, gear restrictions, joint fishing, closed seasons.
f. Non-timber forest products	Support received from the project	Management of natural resource, planting, marketing
g. Non-farm enterprise	Support received from the project	Training, investment, marketing, technology
h. Natural Resource Management	Support received from the project	GSRMLP planning, tree planting, pond/well construction,
j. Social right / empowerment	Support received from the project	Training, awareness raising, health, nutrition
k. None - did not participate in any project activities		

x

**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	Total amount received from wage payment

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
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**\*6. Contact and satisfaction with project over last 12 months**

a. How often do you have contact with project staff?	Rarely, occasional, frequent [circle one only]
b. How satisfied are you with the project?	Very satisfied, moderately satisfied, not at all satisfied [circle one only]

x

**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/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

x

**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

x

## Outcomes

### 8. Adoption of new technology

a. Are you aware of one or more new technologies promoted by project over the last 12 months? (if yes, name 2 new technologies below)		Yes / no
b. Technology 1- SRI of Paddy/Mustard	#VALUE!	
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	

x

### 9. Soil & water conservation and irrigation

a. Have you used pond/shallow well water for irrigation?		Yes / no
	a. When do you use irrigation water	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	Yes / no
	j. Received pump set from	Project/Own
	How many days you use pump set in last year	

x

**10. Crop production**

a. Does your household cultivate field crops?		Yes /no
If yes: Name of the crops (Cereals & Oil seeds)	In the last year how has production changed? <div style="text-align: right;">Increase / the same / decrease</div>	
b. Name of 1st crop <span style="float: right;">0</span>		
(ii) what has been your production and sales <u>for this crop</u> over the last two years		
	Currentt year (2016)	Previous year (2015)
Total area (acres)		
Total production (tons)		
Consumed at home (tons)		
Sold or given away (tons)		
Value of sales (Rs)		
c. Name of 2nd crop		
(ii) what has been your production and sales <u>for this crop</u> over the last two years		
	Last year	Previous year
Total area (acres)		
Total production (tons)		
Consumed at home (tons)		
Sold or given away (tons)		
Value of sales (Rs)		
	0	Yes /no
What is the total area & production for all field crops grown?		
	Last year	Previous year

	Total area (acres)		
	Total production (tons)		
	Consumed at home (tons)		
	Sold or given away (tons)		
	Value of sales (Rs)		

x

### 11. Vegetable production

a. Does your household cultivate vegetables?		Yes /no	
If yes:	b. In the last year how has production changed? Increase / the same / decrease		
	c. Have you adopted new practice?		0 Yes /no
	d. What is the total area & production for all field crops grown?		
		Last year	Previous year
	Total area (acres)		
	Total production (tons)		
	Consumed at home (tons)		
	Sold or given away (tons)		
	Value of sales (Rs)		

x

### 12. Tree crops/Horticulture

a. Does your household grow tree crops? (Like mango, guava etc.)		Yes /no	
If yes:	b. Main type of tree grown		
	c. In the last year how has production changed? Increase / the same / decrease		
	d. Have you adopted this practice?		0 Yes /no
	e. What is the total number & production for trees grown?		
		Last year	Previous year

Total number of trees		
Total production (tons)		
Consumed at home (tons)		
Sold or given away (tons)		
Value of sales (Rs)		

x

### 13. Livestock

a. Does your household keep any livestock? Yes /no

a. How many animals does your household keep?

b. How many animals/birds you received from the project

If yes:  
 b. In the last year has the number of animals changed?  
Increase / the same / decrease

c. In the last year has production of livestock products (eggs, animals for sale, etc) changed?  
Increase / the same / decrease

d. Have you adopted/used any improved practice?  
0

e.No of animals	Present time				One year ago
	No.	Amount earned by selling eggs/animals etc.	No.	Amount earned by selling eggs/animals etc.	
i. Pig					
ii.. Goats					
iii. Poultry					
iv. Other animal					

g. Mortaliy rate in last one year (In numbers) [REDACTED]

i. Poultry birds	
ii. Goats	
III.Pigs	

x

#### 14. Aquaculture

a. Does your household cultivate fish ponds?		Yes /no	
if yes	b. In the last year how has production changed?		Increase / the same / decrease
	c. Have you adopted this practice?		0 Yes /no
	d. What is the total area of pond & production of fish?		
	Total pond area (acres)	Current year	Previous year
	Total production (Kg per year)		
Consumed at home (Kg)			
Sold or given away (Kg)			
Value of sales per year (Rs)			

#### 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	a. Fuel wood
	b. Lac rearing
	c. Tasar cocoon
	d. collection of NTFP like tamarind, mahua, kendu leaves etc.

x

### 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/offtake from forest resources changed?		Increase / the same / decrease
	d. What are the produces you collect from the forest? Pls specify		Tamarind, Mahua, Sal leaves, Kendu leaves etc.
	d. Are products from forest sold?		Yes / no
If yes	e. Value of sales in last 12 months	Rs	
	f. Value of sales in previous 12 months	Rs	
g. Do you involved in lac rearing		Yes/no	
		Current year	Previous year
Total area (acres)			
Total production (Kg per year)			
Sold or given away (Kg)			
Value of sales per year (Rs)			
h. Do you involved in tasar rearing		Yes/no	
		Current year	Previous year
Total area (acres)			
Total production (Kg per year)			
Sold or given away (Kg)			
Value of sales per year (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	
		This year	Previous year



If yes?	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	

x

x

### 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

## Objectives

### 19 Income

a. How has your total household income changed in the last year?		Increase / the same / decrease
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
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

x

## 21. Housing and Asset

a. What type of house do you have?	Traditional / semi-improved / improved*				
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/Scotter	Television	Gold/Silver/Jewellery	Any other (Pls mention)

\* use local definitions for this - e.g. katcha, semi-pucca, pucca

x

## 22. Migration

Whether do you go to other places for income/livelihood	Yes/No	
Is there any change in period of Migration	Increase/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.	