

Format for Half Yearly Report (April to September 2010)

1. Project profile:

- a) Component : Research on Sustainable Rural Livelihood Security (SRLS)
 b) Subproject title: **Sustainable Farming System to Enhance and Ensure**

Livelihood Security of Poor in Purulia, Bankura and West Midnapore Districts of West Bengal”

File No—NAIP (SRLS-C)III-85/2006

- c) Subproject website address (URL): www.bckvnaip03.co.in

2. Technical Progress:

(i) Technical Progress

- a) During April – September 2010 (all quantified)

Output (April-Sept, 2010)	Targets		Achievement		Remarks (Reasons for part/ non-achievement)	
	farmer	Area (ha)	farmer	Area (ha)		
Productivity enhancement of aman Rice	2400	306.67	1624	221.00		
SRI Method of rice Production.	290	25.33	77	9.07		
Groundnut in Kharif Season	400	46.67	523	43.60		
Vegetables Cultivation	755	58.13	922	49.02		
Intervention on the cashew	124	25	124	25	Continuing with the same beneficiaries over time, since it is a plantation crop.	
Afforestation and Silviculture Development		15		15.5		
Water User group Meeting		4 nos		4 Nos		
Farm Advisory		12		18		
No. of training programmes / exposure visits organized for Livestock rearing	200	4 nos	441	4 nos		
No. of animals (Black Bengal goat, T& D and Ghongro pig, Garole & Sahabadi Sheep, Vonraja poultry) purchased / distributed	Goat	25	125nos	25	125nos	Due to late received of 1 st half grand for the year 2010-11. Fund received on 27.08.2010
	Sheep	5	25nos	0	0	
	Pig	25	50nos	15	17nos	
	Poultry	50	1000nos	55	1100nos	
No. nutritional schedules studied and standardized	N/A	4 nos	N/A	4 nos		
No. feed formulated with locally available resources and area specific mineral supplements.	N/A	4 nos	N/A	4 nos		
No. of vaccination and deworming campaigns organised	N/A	6 nos	N/A	6 nos		
No. of veterinary services identified	N/A	4 nos	N/A	3 nos		

b) Cumulative (all quantified)

Output	Targets		Achievement		Remarks (Reasons for part/ non-achievement)	
	farmer	Area (ha)	farmer	Area (ha)		
Productivity enhancement of aman Rice	2800	306.67	1956	266.20		
SRI Method of rice Production.	390	40.33	176	20.80		
Groundnut in Kharif Season	500	56.67	946	94.63		
Vegetables Cultivation	1455	88.13	2173	108.69		
Introduction of Mustard	350	45	332	37.71		
Sesame Cultivation	641	71.2	696	77.73		
Intervention on the cashew	100	20	124	25		
Afforestation and Silviculture Development		15		15.5		
Water User group Meeting		4		4		
Farm Advisory		12		18		
No. of farmers benefitted by water harvesting structures		160		142		
Area covered through irrigation from these structure(ha)		30		43.6		
Number of crops covered by the structure		3		3		
No. of training programmes organized for Livestock rearing	700	14 nos	941	14 nos		
No. of exposure visits organized for Livestock rearing	120	4 nos	120	4 nos		
No. of animals (Black Bengal goat, T& D and Ghongro pig, Garole & Sahabadi Sheep, Vonraja poultry) purchased / distributed	Goat	125	625nos	89	454nos	Due to Curtailment fund during the year 2009-10
	Sheep	35	175nos	30	150nos	
	Pig	62	123 nos	54	109nos	
	Poultry	185	3705nos	149	3129nos	
	Goat + Poultry	40	217+432 nos	40	217+432 nos	
	Sheep + Poultry	7	35+92 nos	7	35+92 nos	
	Pig + Poultry	9	17+178 nos	9	17+178 nos	
	Goat + Pig	1	5+1 nos	1	5+1 nos	
	Sheep + Goat	1	1+3 nos	1	1+3 nos	
	Goat + Pig + Poultry	5	21+9+83nos	5	21+9+83nos	
	Goat + Sheep + Poultry	1	5+2+10nos	1	5+2+10nos	
Fish	50	246 kg	50	246 kg		
No. nutritional schedules studied and standardized	N/A	4 nos	N/A	4 nos		
No. feed formulated with locally available resources and area specific mineral supplements.	N/A	4 nos	N/A	4 nos		
No. of vaccination and deworming campaigns organised	N/A	26 nos	N/A	26 nos		
No. of veterinary services identified	N/A	4 nos	N/A	3 nos		

(ii) 5 major innovations/achievements during the period

a) During the period (all quantified)

S. No.	Innovations/achievements
1	Aman & Boro Rice through SRI (System of Rice Intensification) & improving traditional system (1624 farmers in 221.00 ha land).
2	Year round market driven organic components driven & irrigation driven Vegetable Cultivation (922 farmers in 49.02 ha land)
3	Completing Value Chain (Forward & Backward Linkage) of Kharif Ground Nut, Mustard and Sesame along with market linkage with remunerative price (total 523 farmers in 43.60 ha) through Producers' Organizations.
4	Improved management practice and introduction of intercropping in Cashew (124 farmers in 25 ha land).
5	Livestock (superior breeds of Goat and Poultry) involving the Swarnajayanti Gram Swrojgar Yojana(SGSY) Groups through remunerative market linkage through Producer Organization (87 beneficiaries)

b) Cumulative (all quantified)

S. No.	Innovations/achievements
1	Aman & Boro Rice through SRI (System of Rice Intensification)& improving traditional system (2132 farmers in 287 ha land)
2	Year round market driven organic components driven & irrigation driven Vegetable Cultivation (2173 farmers in 108.69 ha land).
3	Completing Value Chain(Forward & Backward Linkage) of Kharif Ground Nut, Mustard and Sesame along with market linkage with remunerative price (total 1976 farmers in 210.07 ha) through Producer Organization:
4	Improved management practice and introduction of intercropping in Cashew (124 farmers in 25 ha land)
5	Livestock (superior breeds of Goat and Poultry) involving the Swarnajayanti Gram Swrojgar Yojana(SGSY) Groups through remunerative market linkage through Producer Organization (436 beneficiaries)

(iii) Information on Performance Indicators

Component 3 Format of Performance Indicators as per PMTS (additional indicators as marked in yellow) April to September 10

S. No.	Description	Annual Target	Half Yearly Achievements	
			HY1	HY2
1	Technology Developed	7	5	
2	Technology Tested	7	5	
3	Technology Adopted	5	5	
4	Rural employment generated	5000 Man Days	3000	
5	Agri. Entrepreneurs Established	Vegetables + Animal Husbandry. 500	400	
6	Farmers/Users groups created	100	80	
7	Number of farmers/HHs benefitted	3000	2800	

3. Financial Management-

Statement of Budget released and utilization:

(Rs. lakhs)

Lead centre/ Co-partners	Total Sanctioned Budget	Fund Released up to September 2010	Fund utilized up to September 2010
BCKV	294.18	193.777	182.445
WBUAFS	83.71	54.51	53.71
Kalyan KVK	44.06	27.8687	27.8748
CARE-Access	60.71	34.63968	33.12863
BASIX	60.71	19.6125	20.95866
All centre	543.37	330.4079	318.1171

4. Procurement

a) During the period from April to September 2010

(Rs. lakhs)-NA

c) Cumulative – upto September 2010

Major Items (Above Rs. 5.0 Lakhs)	Budget up to Mar. 10	Utilization (%)	Remarks
BCKV	1300000	99.95	-
WBUFAS	300000	96.64	-
Kalyan KVK	-	-	-
Access	-	-	-
BASIX	-	-	-
All centre	-	-	-

- i) Project website created Yes
- ii) Project website/webpage updated Yes
- iii) Media products developed/disseminated/ Trainings organized

Products (CDs, Manuals, Bulletins, Paper clippings etc.)	Copies Supplied (no)
“Dry Flower tairir padhati” (preparation of Dry flower: 40 Pages Books in Bengali.)	100
“Dry Flower tairir padhati” (preparation of Dry flower: 40 Pages Books in English.)	100
“Dry flowers niye byabasar mul katha” (marketing strategies on dry flowers)	100
Leaflet on “Prthagata Aman Chashe Sar Prayoger Padhati” (Fertilizer application of Traditional aman Paddy, variety Swarna & Lalat).	1500
Leaflet on “SRI Padhatite Sar Prayog” (Fertilizer application for SRI, variety Swarna & Lalat).	150
Leaflet on “Banijiyc Bij Utpadan Padhatite Sar Prayog” (Application of Fertilizer for Commercial Seed production, variety Swarna & Lalat).	100
Leaflet on Vermicompost production prerequisite	400
Leaflet on “Unnata Maner Sabji Bij Utpadan” (Quality seed production for vegetables).	200
Booklet on “Goat and Sheep Rearing”	700
Booklet on “Pig rearing”	300
Booklet on “Poultry rearing”	300
Booklet on “Fish cultivation”	300
NAIP-03 Annual report(April2008-March2009)	50
House journal	200
Farmers Card	3650
Farmers Card for Livestock	436

iv) Implementation problems/issues and suggestions-NA

5. Salient features of innovations/ achievements including techno-economic viability, marketability and its impact on income and employment generation along with one good photograph/ bar chart/ table with caption of most significant contribution.

Technology	Salient Features
1. Aman & Boro Rice through SRI (System of Rice Intensification) & improving traditional system	Variety change, Fertility Management: Organic, Chemical fertilizer balancing, Irrigation through watershed, IPM, Market linkage
2. Year round market driven organic components driven & irrigation driven Vegetable Cultivation	Market Driven Variety change, Introduction of new crops and management technique, Fertility Management: Organic, Chemical fertilizer balancing, Market linkage, Producer Groups.
3. Completing Value Chain (Forward & Backward Linkage) of Kharif Ground Nut, Mustard and Sesame along with market linkage with remunerative price through Producers' Organizations.	Market Driven Variety change, Introduction at new season New management technique, Fertility Management: Chemical fertilizer balancing, Processing Market linkage, Producer Groups
4. Improved management practice and introduction of intercropping in Cashew	New management technique, Introduction of intercropping, Fertility Management: Chemical fertilizer balancing, Processing, Market linkage, Producer Groups.
5. Livestock (superior breeds of Goat and Poultry) involving the Swarnajayanti Gram Swrojgar Yojana(SGSY) Groups through remunerative market linkage through Producer Organization	Introduction of Superior Breeds, Feed & Rearing Management, Market intelligence, Market linkage, Producer Groups

**6. List 3-4 upscalable interventions with proposed strategy for their upscaling
Major Interventions/Up scalable technologies in the area**

1. **Aman & Boro Rice** through **SRI (System of Rice Intensification)** & improving traditional system
2. Year round market driven organic components driven & irrigation driven **Vegetable Cultivation**
3. Completing Value Chain (Forward & Backward Linkage) of Kharif **Ground Nut, Mustard** and **Sesame** along with market linkage with remunerative price through Producers' Organizations.
4. Improved management practice and introduction of intercropping in **Cashew**
5. **Livestock** (superior breeds of Goat,pig and Poultry) involving the Swarnajayanti Gram Swrojgar Yojana(SGSY) Groups through remunerative market linkage through Producer Organization

Summary Sheet

Cumulative values

A. Crop Interventions

Output (April-Sept, 2010)	Targets		Achievement	
	Farmer	Area (ha)	Farmer	Area (ha)
Productivity enhancement of aman Rice	2800	306.67	1956	266.20
SRI Method of rice Production.	390	40.33	176	20.80
Groundnut in Kharif Season	500	56.67	946	94.63
Vegetables Cultivation	1455	88.13	2173	108.69
Introduction of Mustard	350	45	332	37.71
Seasame Cultivation	641	71.2	696	77.73
Intervention on the cashew	100	20	124	25

B. NRM interventions

Water harvesting Structures

Number : 15

Additional Irrigation potential, ha-48.6 ha

Water saving devices (Specify and quantify)-Dug well for recharging ground water.

Soil conservation activities (Specify and quantify):Afforestation and Silvipasture Development
15.5 ha

No. of farmers benefitted by water harvesting structures 500

C. Livestock intervention(cumulative)

	No of HH benefited	No. provided	Increase in productivity (Specify units for each case) Annual Income	Enhancement in income
Goat	89	454	Rs.5450.00 / HH	Rs.2000.00 / HH
Sheep	30	150	Rs.2800.00 / HH	Rs.1360.00 / HH
Pig	54	109	Rs.9410.00 / HH	Rs.1672.00 / HH
Poultry	149	3129	Rs.1744.50 / HH	Rs.162.00 / HH
Goat + Poultry	40	217+432	Rs.5009.00 / HH	Rs.855.00 / HH
Sheep + Poultry	7	35+92	Rs.3890.75 / HH	Rs.1464.25 / HH
Pig + Poultry	9	17+178	Rs.11611.75 / HH	Rs.2342.75 / HH
Goat + Pig	1	5+1	Rs.12656.50 / HH	Rs.1880.50 / HH
Sheep + Goat	1	1+3	Rs.2526.00 / HH	Rs.550.00 / HH
Goat + Pig + Poultry	5	21+9+83	Rs.12050.00 / HH	Rs.1925.50 / HH
Goat + Sheep + Poultry	1	5+2+10	Rs.8562.75 / HH	Rs.1320.00 / HH
Fish	50	246 kg	Rs.25640.00	-

D. Other IGA – give details with economics-

Income Projection:For landed farmers

Average Holding=0.587 ha=4.33 Bigha

[Base line values: 1.41 ha(Small-20% wieghtage by numbers)

&0.37 ha(Marginal-80% wieghtage by numbers)

Intervention	Land (Bigha)	Income Enhancement	Total(Rs.) per yr
SRI(Khharif)	4	1500 /bigha	6000
vegetable(2 seasons)	0.33bigha(Homestead + Land)	3000/seasons	6000
Ground nut(Rabi)	2	2000/bigha	4000
Mustard	2	1000/bigha	2000
Live stock	1 family	1000/month	12000
		Total	30000

Income Projection for Landless Farmers

Average Holding=0.03ha=0.225 bigha

Intervention	Unit	Income Rate	Total(Rs.) per yr
vegetable(Yr round)	0.225bigha	250/dec	5568
Live stock	1 family	1000/month	12000
Generation of Labour days	20 Labour days/family/yr	Rs.100 per labour day	2000
		Total	19568

E. Other information

- Additional area brought under cultivation—15ha
- Village level committees constituted---26
- Cluster level committees constituted ---03
- Formation of Producers group-133
- Market linkage established quantify---04
- Synergy with ongoing programmes quantify-SJSY and RKVY(total Rs. 30 lakh)
- Sustainability Funds---8,00,000/-

Period April-Sept 2010

	Total area covered , ha	Cumulative No. of HH	Productivity, t/ha		Enhanced Income(Rs/ha)	Total Production(t)
			Initial	Improved		
Cereals	287	2132	3.00	4.25	9687.50	1219.75
Vegetables	108.69	2173	4.00	6.00	17200.00	652.14
Other	94.63	946	Fallow	3	27000.00	283.89

A. Crop Interventions

Output (April-Sept, 2010)	Targets		Achievement	
	farmer	Area (ha)	farmer	Area (ha)
Productivity enhancement of aman Rice	2400	306.67	1624	221.00
SRI Method of rice Production.	290	25.33	77	9.07
Groundnut in Kharif	400	46.67	523	43.60

Output (April-Sept, 2010)	Targets		Achievement	
	farmer	Area (ha)	farmer	Area (ha)
Season				
Vegetables Cultivation	755	58.13	922	49.02
Intervention on the cashew	124	25	124	25

B. NRM interventions

Water harvesting Structures

Number -6

Additional Irrigation potential, ha-20

Soil conservation activities :

Afforestation and Silviculture Development 15.5

Water User group Meeting 4 Nos

Farm Advisory 18

C. Livestock interventions

	No of HH benefited	No. provided	Increase in productivity (Specify units for each case) Annual Income	Enhancement in income
Pig	7	15	Average Weight gain 23kg @ of Rs.70/- per kg= Rs.1610.00	Rs.1610.00/HH
Goat	25	125	Average Weight gain 3 kg @Rs.100/- per kg =Rs.300.00x5 nos = 1500.00	Rs.1500.00/HH
Poultry	55	1100	Average Weight gain 1.250kg @Rs.85/- per kg=Rs.106.25x20nos= 2125.00 Average Egg production 30 per hen x Rs.3.00 each =90.00x 10 =900.00	Rs.3025.00/HH
Sheep	0	0	-	-

D. Other IGA – give details with economics

Livestock model:PIG (1 Sow + 1 Gilt / farmer)

After 1 Year

No. of Farmers	Technical Input	Input Cost (Rs.)	Return from per Model (Rs.)			Net Return/ Model (Rs.)
			Price of Piglets	Price of Mother Stock	Gross Return	

39	<p style="text-align: center;"><i>Ghonghroo and T&D Semi Intensive and Mineral Mixture supplementation Deworming: Regularly Immunization against: Swine Fiver, FMD</i></p>	6430.00	(8000.00- 19.5% Mortality of mother Stock) =6440.0	(9600.00- 19.5%Mortality of mother Stock) =7728.0	14168.00	7738.00
----	--	---------	---	--	----------	---------

E. Other information

- Additional area brought under cultivation-10 ha
- Village level committees constituted - 07
- Cluster level committees constituted- 0
- Formation of Producers group-38
- Market linkage established quantify- 1
- Synergy with ongoing programmes quantify-Two programmes(30 lakhs)
- Sustainability Funds-2,00,000/-