

**Integrated Watershed Management Programme
Tantipara IWMP-3 (Batch-III)/ 2011-12
Rajnagar, Birbhum**

Some Work Phase Activities



Loka Kalyan Parishad

Watershed Project IWMP-3/2011-12, Tantipara, Birbhum at a Glance

General Information		
1.	Name of the Watershed	IWMP-3/2011-12, Tantipara
2.	Name of the block	Rajnagar
3.	Name of the district	Birbhum
4.	Geographical area of the watershed	5482 Ha.
5.	Treatable area	4000 Ha.
6.	Number of Gram Panchayat	3
7.	Micro watershed consist of watershed	Jhikra, Faridpur, Kushmasol & Madhaipur
8.	Number of Moujas	24
9.	River flowing nearby the watershed area	Mayurakshi, Chandrabhaga, Kushkarini
10.	Livelihood Options	Major-Agriculture, Animal Husbandry Minor- Vending, Wages

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Demography		
11.	Population	19244
12.	Number of Households	4474
13.	Number of ST Households	565
14.	Number of SC Households	1777
15.	Number of BPL Households	2545
16.	Number of Small farmers	960
17.	Number of Marginal farmer	502
18.	Number of Landless & Assetless Households	2413
19.	Number of Person days of seasonal migration	120
Agriculture		
20.	Major crops & vegetables	Paddy. Maize, Mustard, Brinjal, Chillies, Tomato and cole crops
21.	Marketing	Local

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Horticulture		
22.	Major crops	Scattered & Backyard Jack fruit, Banana, Papaya
23.	Marketing	Local
Animal Resources		
24.	Livestock	Cow, Goat, Buffalo, Poultry, Piggery
25.	Milk production per year (Avg)	300 Ltr.

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Land Characteristic		
26.	Slope & Direction	3% to 5%, West to South-East
27.	Erosion	E2 – Sheet & Rill, Runoff 1026 mm per year
Soil Characteristic		
28.	Soil Texture	Stony, Sandy Lome to Lomey Sand
29.	Soil Depth	D3 (22.5 to 45 cm) & D4 (45 to 90 cm)
30.	Soil pH	Slightly acidic in nature, 5.6 to 6.0
31.	N- P- K status	Low- Low- Medium

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Watershed Committees (WC)

Four Watershed committees have been formed from functional members of Gram Panchayat Upa-samities (subject matter sub-committees) for four Micro Watershed consisting of 7 to 11 members each.

An amount of Rs.61272/- Watershed Development Fund (WDF) generated up to August, 2014



**Formation of Watershed Committee
of Jhikra MWS-1**

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Group Initiatives for securing livelihoods

Status of Self Help Groups (SHG)

300 existing SHGs in this micro watershed. Out of which 159 SHGs had been provided with revolving fund from SGSY & other sources. Rest 141 SHGs have been covered & supported under EPA Activities. All 300 SHGs have been covered under Institution & Capacity Building Programme. 99 SHGs (out of 141 SHG) have been identified to cover under the Livelihood component of the project and the remaining 42 SHGs would be converged with other Govt. programme.



**Formation of new SHGs - Patadanga
Mouza, MWS4**

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Capacity building of SHGs -
Sajina Mouza



SHGs visiting SA practices
at Sirshi GP, Illambazar

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SHGs visiting SA practices at Sirshi GP-. Experiencing new crop- *Pakchoi*



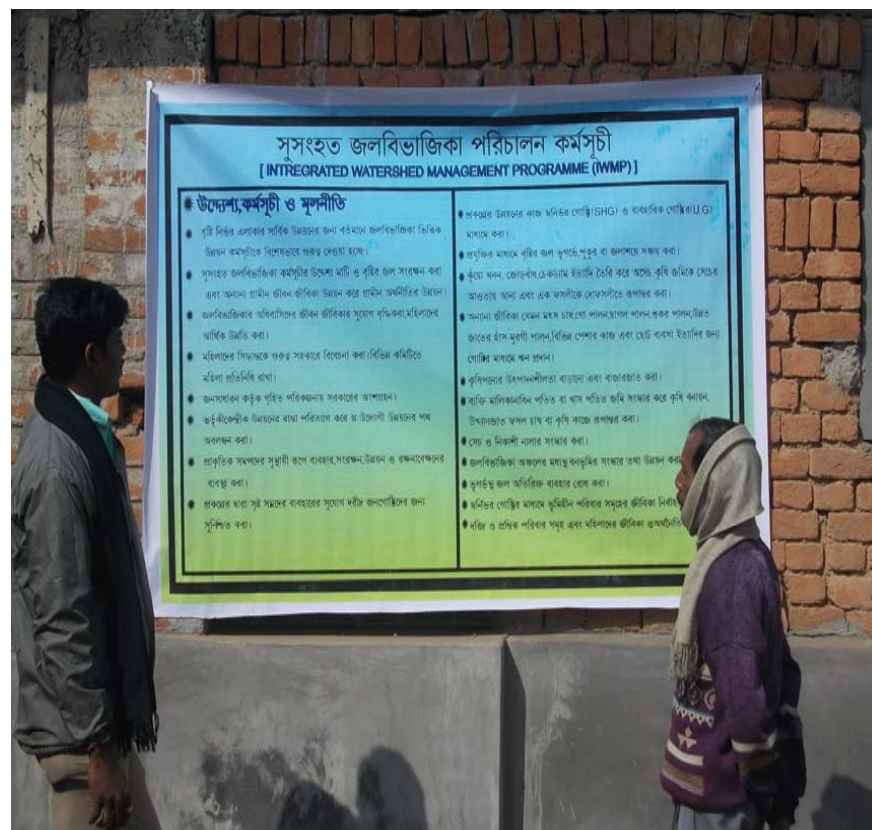
SHGs on exposure trip to Mongaldihi GP--Interactive session with counterparts

Watershed Project IWMP-3/2011-12, Tantipara, Birbhum at a Glance

Awareness & Public Disclosure



Chandrapur Bus stand,
MWS-3



Tantipara Bus stand, MWS-1

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Awareness & Public Disclosure



Awareness Camp at Malkora
Mouza, MWS-1



Awareness Camp- Patadanga
Mouza,
MWS-4

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Fallows brought under assured irrigation

At the onset of Watershed Development Works fallow land surrounding unproductive silted water bodies & dug wells were rejuvenated to cover assured crops under irrigation. Around 5 to 7 Ha of fallow land per rejuvenated water bodies have been brought under irrigation opportunity. Activities are in progress in the project area. In addition to that other activities like Village road connecting two villages, raising of homestead land & public places, drainage improvement were simultaneously made.

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Fallows brought under assured irrigation

Re-excavation of Pond
Kulupukur, Plot no,-87, Vill- Malkora,
Lat E 87°21'.394 Long N 23°56'.085



Before



After

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Fallows brought under assured irrigation

Re-excavation of Pond
Mouja-Sajina, MWS-II



Before



After

Watershed Project IWMP-3/2011-12, Tantipara, Birbhum at a Glance

Re-excavation of pond and construction of village road from excavated soil connecting two villages



Bene pukur, Plot no-705, Vill- Sajina, Lat E 87°25'.372, Long N 23°58'.059

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Re-excavation of Pond Mouja-Tantipara, MWS-I



Before



Re-excavation of WHS in progress

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Renovation of Canal at Chandrapur Mouja



Before

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Renovation of Canal at Chandrapur Mouja



After

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Construction of New seepage tank at Chandrapur Mouja



Before

Watershed Project IWMP-3/2011-12, Tantipara, Birbhum at a Glance

Renovation of Canal at Chandrapur Mouja



After

SI no	Outcomes	Unit	Achievement up to previous financial year (Up to 31.03.2016)	Achievement during current financial year (up to 31.03.2017)	Total Achievement
1	Area of land on which Irrigation facilities were extended Because of creating Water harvesting/ storage structures	Ha	95.16	17.07	112.23
2	Area of land, which were hitherto unused, brought to productive use (Aforestation, horticulture, pasture, cultivation of crops)	Ha	15.0	0	15.0
3	Water harvesting structures – No. created/ renovated	No.	25	4	29
4	Capacity building	Training Man days	4864	4937	9801
5	Employment generation	Man Months		399	399
6	No. of persons benefited by The component of livelihood, Micro enterprises and Production systems.	No.	557	815	1372

Additional rain water storage capacity created 79390.47 cum

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Water Resource Development for block fruit plantation—in progress
Sajina mouja



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28.5 ha Fruit Plantation have been established, May 2017



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Convergence with Tantipara GP under MGNREGS, ESTD- 2016

Area covered- 4 ha, May 2017



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Introduction of New crop - Broccoli



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Introduction of Aarhar- Veg type for seed multiplication purpose



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Introduction of Barshati Onion- Agri found dark red as new crop



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Per Drop More Crop

Introduction of Drip Irrigation System for different crops



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Introduction of improved G9 tissue culture banana being popularized



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Crop diversification for enhancement of productivity, production & cropping intensity

Introduction of **new crops** for enhancement of crop productivity of the project area

Soyabean- Variety JS 335

Pigeon Pea- veg type- Kaveri

samprada,

Grain type-Sweta

Groundnut

TPS Variety

Onion Variety- Sukhsagar

Kavoor (OL)

Pakchoi

Broccoli

Red Cabbage

Cillia

Fodder- Guinea grass

Green manuring crops- Dhaincha



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Crop diversification for enhancement of productivity, production & cropping intensity



Watershed Project IWMP-3/2011-12, Tantipara, Birbhum at a Glance

Crop diversification for enhancement of productivity, production & cropping intensity



Mustard Variety – JD6

Onion Variety –Sukhsagar,

(Rabi season),

Agrifound Dark Red

(Kharif season)



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Crop diversification for enhancement of productivity, production & cropping intensity

Cropping System Approach Introduced

SRI (System of Rice Intensification)

SWI (System of Wheat Intensification)

SMI (System of Maize Intensification)

TPS (True Potato Seed)



Watershed Project IWMP-3/2011-12, Tantipara, Birbhum at a Glance

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Agro based income augmentation activity undertaken



Improved chicks (RIR) & ducks (Khaki Camble)

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Nursery-Agro forestry, fruits & vegetables.

Micro Enterprise for SHGs



Watershed Project IWMP-3/2011-12, Tantipara, Birbhum at a Glance

Nursery-Agro forestry, fruits & vegetables.

Micro Enterprise for SHGs



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Improvement of Soil Health



Green manure crop- Dhaincha Area Covered-4 Ha

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Improvement of Soil Health



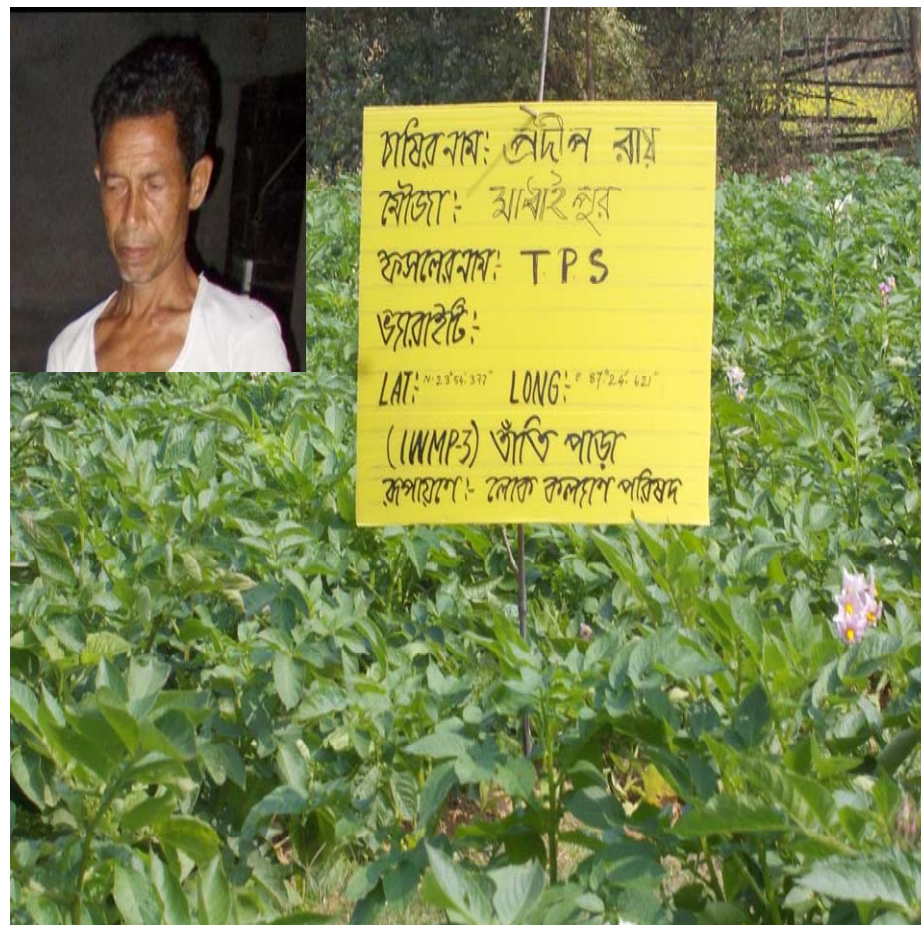
Vermicompost No. of Units- 25

Pulses is also included in crop cycle for maintaining soil health

Watershed Project IWMP-3/2011-12, Tantipara, Birbhum at a Glance

Some success story of farmers benefited due to diversification & introduction of new crops in the project area

Name of the Farmer	Pradip Roy
Mouja/ MWS	Madhaipur / MWS IV
Name of the crop	Potato from True Seed
Variety	TPS Cv. HPS 7/13
Season	Rabi (2013-14)
Land size (cultivated) Katha/ Acre	5 Katha (0.08 acre)
Cost of Cultivation (Rs)	2500
Yield obtained (Kg)	525 (i.e 65 quintal / acre)
Value of Production (Rs)	10500
Net income (Rs)	8000
BC (Benefit cost) Ratio	3.2:1
Other 88 farmers of the project area have also grown potato from TPS	



Watershed Project IWMP-3/2011-12, Tantipara, Birbhum at a Glance

Some success story of farmers benefited due to diversification & introduction of new crops in the project area

Name of the Farmer	Asish Bag
Mouja/ MWS	Tantipara / MWS I
Name of the crop	Onion
Variety	Sukhsagar
Season	Rabi (2013-14)
Land size (cultivated) Katha/ Acre	10 Katha (0.16 acre)
Cost of Cultivation (Rs)	3738
Yield obtained (Kg)	1250 (i.e 78 quintal/ acre)
Value of Production (Rs)	22500
Net income (Rs)	18362
BC (Benefit cost) Ratio	5:1
411 farmers have grown onion in 23 acres of land in the project area the very 1st year of introduction	



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Some success story of farmers benefited due to diversification & introduction of new crops in the project area

Name of the Farmer	Amal Chakrabarty
Mouja/ MWS	Faridpur / MWS II
Name of the crop	Broccoli
Variety	Fiesta
Season	Rabi (2013-14)
Land size (cultivated) Katha/ Acre	12 Katha (0.20 acre)
Cost of Cultivation (Rs)	5700
Yield obtained (Nos.)	3000 (1500 per acre)
Value of Production (Rs)	30000
Net income (Rs)	24300
BC (Benefit cost) Ratio	4.2 : 1
Other 55 farmers have grown Broccoli in the project area in the year of introduction	



Watershed Project IWMP-3/2011-12, Tantipara, Birbhum at a Glance

Some success story of farmers benefited due to diversification & introduction of new crops in the project area

Name of the Farmer	Prallad Chanda Ghosh
Mouja/ MWS	Tantipara / MWS I
Name of the crop	Pakchoi
Variety	
Season	Rabi (2013-14)
Land size (cultivated) Katha/ Acre	2 Katha (0.03 acre)
Cost of Cultivation (Rs)	550
Yield obtained (Nos.)	1200 (40000 per acre)
Value of Production (Rs)	4800
Net income (Rs)	4250
BC (Benefit cost) Ratio	7.7 : 1
Other 607 farmers have grown Pakchoi in the project area in the year of introduction	



Watershed Project IWMP-3/2011-12, Tantipara, Birbhum at a Glance

Some success story of farmers benefited due to diversification & introduction of new crops in the project area

Name of the Farmer	Data Karna Mondal
Mouja/ MWS	Patadanga / MWS IV
Name of the crop	Elephant Foot (OI)
Variety	Kavoor
Season	Kharif
Land size (cultivated) Katha/ Acre	5 Katha (0.08 acre)
Cost of Cultivation (Rs)	3760
Yield obtained (Kg)	1520 (190 quintals per acre)
Value of Production (Rs)	22800
Net income (Rs)	19040
BC (Benefit cost) Ratio	5 : 1
Other 68 farmers have grown Elephant Foot (OI) in the project area in the year of introduction	



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Some success story of farmers benefited due to diversification & introduction of new crops in the project area

Name of the Farmer	Jayanta Chakrabarty
Mouja/ MWS	Faridpur / MWS II
Name of the crop	Maize
Variety	Srinath
Season	Kharif
Land size (cultivated) Katha/ Acre	10 Katha (0.16 acre)
Cost of Cultivation (Rs)	4000
Yield obtained (Nos.)	10000 cobs (62500 cobs per acre)
Value of Production (Rs)	20000
Net income (Rs)	16000
BC (Benefit cost) Ratio	4 : 1
Other 304 farmers have grown Maize in the project area in the year of introduction	



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Some success story of farmers benefited due to diversification & introduction of new crops in the project area

Name of the Farmer	Sonai Chanda Lohar
Mouja/ MWS	Takipur / MWS IV
Name of the crop	Groundnut
Variety	TAG 24
Season	Kharif
Land size (cultivated) Katha/ Acre	5 Katha (0.08 acre)
Cost of Cultivation (Rs)	2000
Yield obtained (Kg)	150 kg (18.75 quintals per acre)
Value of Production (Rs)	6000
Net income (Rs)	4000
BC (Benefit cost) Ratio	2 : 1
Other 75 farmers have grown Groundnut in the Project area in the year of introduction	



Watershed Project IWMP-3/2011-12, Tantipara, Birbhum at a Glance

Some success story of farmers benefited due to diversification & introduction of new crops in the project area

Name of the Farmer	Sumitra Soren
Mouja/ MWS	Dumurtala / MWS IV
Name of the crop	Mushroom
Variety	Oyester
Season	Rabi (2013-14)
Unit numbers	24 spawn packets (200 gm each)
Cost of Cultivation (Rs)	480
Yield obtained (Kg)	40 kg
Value of Production (Rs)	4000
Net income (Rs)	3520
BC (Benefit cost) Ratio	7.3 : 1
500 growers under 60 SHGs have grown 1020 units	





Thank you