

# Progress Report

As on 31<sup>st</sup> Oct -2022



**Tendumudi-Jampali-Kukricholi**  
WATERSHED DEVELOPMENT PROJECT UNDER WDF (NABARD)



**PIA - JANMITRAM KALYAN SAMITI**

## The Talisman



**"I will give you a talisman. Whenever you are in doubt, or when the self becomes too much with you, apply the following test. Recall the face of the poorest and the weakest man whom you may have seen, and ask yourself, if the step you contemplate is going to be of any use to him**

~ M.K.Gandhi



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# Project Synopsys

## 1.1 Background of the project

Kharsia block is located at 30 Km towards Northwest of Raigarh City. The northern and eastern part of the block is surrounded by hills and forests. However, population have swelled up in these areas, in last few decades. Connectivity is enhanced and so the agriculture took space of forests.

Denuding forests have posed a new threat, and farmers, suffering from low productivity also suffered land and water loss due to erosion and runoff.

To mitigate this problem, JanMitram Kalyan Samiti, a social service organization took initiative. It treated Millie-watershed 4G2D2B with assistance of Zilla Panchayat Raigarh, under IWMP Watershed project (2011-16),

The programme spanned in 14 Gram Panchyats and covered 3500 Families. However, A part of Millie-watershed ( 4G2D2B1) was left out of project due to size restrictions under IWMP Guidelines.

Farmers of village kukricholi (Barbhouna panchyat) and Jampali, tendumudi (Tendumudi panchayat) could not get benefit. On the other hand, watershed treatment becomes less effective if entire area is not treated.

So the remaining area was proposed to NABARD, which gracefully consented to support the noble cause and sanctioned this project.

## 1.2 Project time line

JanMitram had started with initial mobilization, and village community which has already seen the effect of watershed development in nearby villages was very happy to take up watershed development activities project.

- The **Mandatory Shramdan** was conducted on 29.09.2017
- NABARD sanctioned trial project (CBP) for 100 hact in the year 29.01.2018
- The Full implementation project (FIP) was sanctioned on 26.08.2021 with financial assistance to tune of 81.07 Lakh (Sanction No **NABARD Raipur/ CG FSDD-WDF/957/2021-22, dated 26.08.2021**)
- Revised FIP sanction with enhanced financial assistance of Rs 141.36 lakh on date 15.09.2022 (**NABARD Raipur/ CG FSDD-WDF/MAN-835/2022-23, dated 15.09.2022**)
- Estimated date of Project completion is 31.08.2021 spanning 4 years.

## 1.3 Project concept

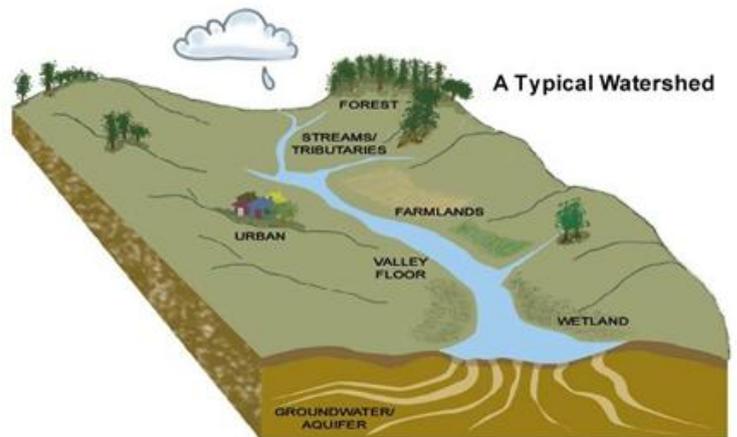
Watershed refers to an area of land where all the water drains to a central point, such as a lake, river or stream. A watershed refers to an area of land that comprises a set of streams or rivers that drain into a larger water body like an ocean or a river. The Tendumudi-Kukricholi Watershed is situated around Kurket River.

Most agriculture production in this region is carried out on small land holdings, with approximately 70 percent of small and marginal farmers. The livelihoods and food security of the small-scale farmers are particularly threatened, by water shortage and land degradation. Climate change (including increasing



weather variability and frequency of extreme events), as it is already having direct impacts on agricultural production and productivity.

These factors could cause serious deterioration of rural livelihoods and increase food insecurity. Given these multiple challenges, the region's marginal and small farmers must engage themselves in watershed technologies and adopting technologies to increase the productivity, the stability and the resilience of their production systems. The project responds to a demand from the ground to address the conditions of extreme vulnerability of local populations.



The FSR study results have come out in shape of a project. Project envisage comprehensive watershed development program with an investment of Rs 1.73 Cr. Following works/activities will be under taken :-

- Construction of **farm bunds (FB)**, repairing of farm bunds (**RFB**), farm pond, percolation tank and well under area treatment.
- Gabion, stop dam, drains diversion and **Loose Boulder Structure (LBS)** under Drain line treatment.
- Drip irrigation, mulching and **pipe irrigation** works under efficient **use of water resources**.
- Soil test, **vermi compost**, NADEP, green manure, azolla tank, summer plugging alternate crops- **millet-canted** rice and jeeva amrit under soil fertility and productivity enhancement.
- organic farming, **bamboo and forestry plantation**, seed treatment, SRI, **well recharge**, fruit lac distribution work under **NRM practices**.
- **village knowledge centre**, awareness and mobilization programmes, solar pumps, green net shed work under climate risk mitigation measures .
- **care for natural resources** in a way that supports human needs for water, food and habitation

#### 1.4 Village demographic profile

Total population of watershed area is 1224 as per census 2011. It has 285 household and average family size is 4.29. There are 617 male and 607 female. Area is ST dominated in which 245 household is ST while 12 belong to SC community. Literacy level is 68% in general. There are 11 landless families. Average gross landholding per household is 1.93 while Average land holding (dry land cultivable) per household=1.65 ha that indicates poverty and tough living conditions of the population.



- Tendumudi is a medium size village with total 148 families residing. Tendumudi village has population of 574 of which 273 are males while 301 are females (Census 2011).
- Kukricholi is a medium size with total 56 families residing. Kukricholi village has population of 261 of which 125 are males while 136 are females (Census 2011).
- Jampali is a medium size village with total 119 families residing. The Bade Jampali village has population of 531 of which 268 are males while 263 are females (Census 2011).

### 1.5 Specific objectives of the project:

- Soil Moisture Conservation.
- Livelihood Enhancement.
- To increase cultivable area.
- To utilize available resources and make it sustainable.
- Capacity building of community groups for better resources management.
- Advancement of environmental education and formation of SHGs.



## 2. Capacity Building Phase (CBP)

To smooth conduct of the project community participation is must. Therefore, with vide letter reference number **35/JKS/NABARD/Watershed/3242**, 29.01.2018 a CBP action plan was submitted.

This community contribution has worked for digging a farm pond to show its commitment. In the view of itproposal the CBP phase proposal got sanctioned on 19.03.2018. A total of Rs. **11, 41,228/- (Rs. Eleven lakhs forty one thousand two hundred twenty eight)** grant sanctioned form NABARD. Details of project implementation are given below in the table:-

### Activities completed in CBP phase in 2018-19

Activities	Target achieved
Farm Bund	10533 Cu Mt.
Repair of Farm bund	610 Cu Mt.
Pipe Outlet	442 No
Farm Pond	3 No
Village Watershed Committees (VWC) formed	01 No (15 Members)
Self Help Groups (SHGs) formed	08 No

### 2.1 FIP Sanctioning Details

Revised FIP sanction with enhanced financial assistance of Rs 141.36 lakh on date 15.09.2022 (**NABARD Raipur/ CG FSDD-WDF/MAN-835/2022-23, dated 15.09.2022**)

NAME OF PROJECT	Kukricholi-Tendumudi Watershed Project Block- Kharsia, District Raigarh
PHASE	FIP
REPORTING PERIOD	Apr 22 to till date
• FUND RELEASED TILL DATE	24,10,101
• AMOUNT SPENT TILL DATE	12,68,658
• BALANCE	11,41,443
SANCTIONED DATE-	
Total Area	915.00 ha
CBP Area	102.00 ha
Area not requiring treatment	35.85 ha
FIP Area	777.15 ha

## 2.2 Details of grant sanctioned

S.N.	Indicator	Activities	Grant Sanctioned		
			Unit/RM/ No.	Volume of Work (cum)	Cost (Rs.)
1	2	3	4	5	6
1	Area Treatment	Farm Bund	cum	20000	1864296
		Repair Farm Bund	cum	15000	1398222
		Farm Pond (15m*15m*3m)	no	6	291745
		Farm Pond (20m*20m*3m)	no	6	555650
		Farm Pond (12m*12m*3m)	no	3	85145
		Well	no	3	278810
		Percolation Tank	no	1	54055
		Grass Seeding on FB,RFB and Farm Pond	no	400	100000
		Plantation	no	1000	12600
<b>Sub-Total</b>					<b>4640523</b>
2	Drainage Line Treatment	Stop Dam (12 m Length)	no	1	622704
		Gabion (10 m length)	no	2	103646
		Loose Boulder Check (LBC) (4 m length)	no	4	4741
		Drain Diversion	no	37.5	4055
<b>Sub-Total</b>					<b>735146</b>
3		<b>Supervision Cost</b>			<b>430351</b>
4		<b>Maintenance Fund</b>			<b>430351</b>
5	Efficient use of Water resources	Drip Irrigation (2.5m x 2.5m)	Hectare	2	103650
		Mulching (Farmer)	no	2	30653
		Pipe for Irrigation (Farmer)	no	52	468000
<b>Sub-Total</b>					<b>602303</b>
6	Soil fertility and productivity enhancement	Soil test	Nos.	53	5300
		Vermi Compost	No.	23	402960
		NADEP Construction (4mx1.5x0.75m)	No.	12	94716
		Green manure crop	Hectare	16.52	18585
		Azlla backyard units	No.	17	60410
		Summer ploughing	Acre	120	135000
		Alternate crops-Millet/scented rice	Hectare	18	135000
	Jeev amrit	No.	27	101250	
<b>Sub-Total</b>					<b>953221</b>

<b>7</b>	<b>NRM Practices</b>			
	Organic Farming	Hectare	30	337500
	Bamboo & Forestry Plantation(41.77 Hect)	Nos.	10000	150000
	Seed treatment	Nos	49	3675
	SRI	Hectare	24	126000
	Well Recharges pit(1.5mx1.5mx1.5)	Nos	19	126122
	Pheromone Traps	Nos	150	21750
	Fruit Plants Distribution	Nos	500	24000
	Well Recharges pit(3mx3mx1)	Nos	20	111518
	<b>Sub-Total</b>			<b>900565</b>
<b>8</b>	<b>Climate Risk mitigation measures</b>			
	Village Knowledge Centre	No.	1	170000
	Awareness & Mobilisation programs	No.	6	205200
	Solar Pump 3 Hp	No.	10	750000
	Green net shed & Mulching	No.	4	37950
	Agriculture variety change & Application of bio-pesticide	Hectare	3	30000
	<b>Sub-Total</b>			<b>1193150</b>
<b>Grant Total (1+2+3+4+5+6+7+8)</b>				<b>9885608</b>

**Grant sanction also covers the livelihood aspects which are mentioned below:**

SN	Indicator	No of Participation	Unit cost	Budget Sanctioned
<b>Livelihood and women development</b>				
1	Fish Farming	3	18750	56250
2	Vegetable production	18	7125	128250
3	Lac cultivation	6	10687.5	64125
4	Mashrum cultivation	3	18750	56250
5	Poultry farming	3	33750	101250
6	Pottery	3	16125	48375
7	Food processing unit	3	18750	56250
8	Carpentry	3	10750	32250
9	Bee keeping	6	22125	132750
10	Vegetable Cultivation through SHG	2	22500	45000
11	Spice Cultivation through SHG	3	22500	67500
12	Bamboo craft	3	16125	48375
13	Goat Farming	5	26625	133125
14	Dairy	2	37650	75300
	<b>Total</b>			<b>1045050</b>

**Above livelihood and women development aspects will be started from next year**

# Progress in Full Implementation Phase (FIP)

## 2.3 Progress of work done

**2.3.1 Area Treatment: Watershed** management is an attempt to halt land degradation and a holistic process for getting maximum production out of land. Watershed management implies rational utilisation of land and water resources for optimum and sustained production, with the minimum of hazard to natural resources.

The rain water can be made to move down the slopes slowly, ensuring optimum infiltration and percolation, automatically solving the problem of soil erosion. Reducing the impact of the rain on the soil, checking its speed at various intervals, taking up all operations on the contour and diverting the excess to prevent the pressure. Farm bunds, repair of existing farm bunds are important area treatment technique.



A. **Farm Bund** : A total of So far, farm bund of 4362Cu.Mt. earth work have been completed covering 94 Khasra lands. List of farm bunds are mentioned in annex. I.



B. **Repair of Existing farm Bund**: repairing existing farm bund of farm bund 1035 Cu.Mt. Completed in reporting period. List of repair farm bunds are mentioned in annex. II.



C. Farm Pond: Three size of Farm pond are proposed, progress is here under.

Size	CBP	FIP	Total
15mX15mX3m	3	4	7
(20mX20mX3m)	0	0	0
12mX12mX3m	0	0	0
<b>Total</b>	<b>3</b>	<b>4</b>	<b>7</b>



### 2.3.2 Drainage Line Treatment -

**A. Loose Boulder Check (LBC) (7 m length):** Junadeeh Naala is a tributary to kurket river, which in turn go into mahandi through mand river. The land has steep slop hence loose boulder structure was erected for stop runoff and erosion.



**B. Drain Diversion:** A large rift of water flow through the forest area was creating large soil erosion which throws rubble/sand in farmland in Chhote Jampali village. This was rendering the potential land and eventually could convert it into unfertile land. Hence, it was taken into consideration and accordingly drain diversion was taken into drainage line treatment.



### 3- NRM Practices

Well Recharge is a good practice that takes care of sanitation around well and also recharges water. Well recharge is done in 3 places at Tendumudi-Kukricholi watershed so far.

SN	Beneficiary Name	Village
1	Rajendra /Santram	Tendumudi
2	Krishna Vallabh	Tendumudi
3	Dwarika Prasad	Tendumudi



### 3. Climate risk mitigation measures: Several

methods to mitigate climate risk were already proposed in the project. Those are Village Knowledge Centre Awareness & Mobilization programs Solar Pump 3 Hp Green net shed & Mulching Agriculture variety change & Application of bio-pesticide.

Of which village knowledge centre is being established at tendumudi gram panachyat.

### 4- Work Done under Convergence

Draining line and area treatment are intensive works and costs are higher. Those works which could not be taken into DPR, but part of DLT and AT, were getting done with convergence from MGNREGA.

07 farm ponds are completed under MGNREGA.

SN	Village	Name of Beneficiary	Work	Scheme	Department	Amount( Lakh)
1	Chhote Jampali	Budhram Manjhi	Farm pond	MGNREGA	PRD	1.27
2	Chhote Jampali	Muktaram Rathia	Farm pond	MGNREGA	PRD	1.27
3	Chhote Jampali	Bisram Rathia	Farm pond	MGNREGA	PRD	1.27
4	Chhote Jampali	Mayaram Rathia	Farm pond	MGNREGA	PRD	1.27
5	Tendumudi	Suklal Rathia	Farm pond	MGNREGA	PRD	1.36
6	Chhote Jampali	Khemsai Rathia	Farm pond	MGNREGA	PRD	2.66
7	Chhote Jampali	ShyamLal Rathia	Farm pond	MGNREGA	PRD	2.66
						<b>11.76</b>

## 5- Knowledge Management and Capacity building

### 5.1 Training on ridge to valley approach and climate proofing

- **Date: 16.09.2022**
- **No. of participants: 25**
- **Venue: Village-Tendumudi Kharsia**

The training was conducted for the members of Shankar Path watershed committee members of the village.

The training was imparted by Mr. Suresh Dansena, Expert GIS and Dr. Mukesh Goswami, Secreatry, JanMitram.



The general concept of watershed and treatment was discussed the type of water management practices. The impact on agriculture and benefits was also discussed in details. Training discussions further followed the point like type of structure, impact of soil moisture conservation and ridge valley approached followed by the treatment. Importance of loose boulder structures, gully plugging, gablin structures and stop dam were the points discussed later on the meeting.

### 5.2 Training on livelihood activities

- **Date: 19.09.2022**
- **No. of participants: 125**
- **Venue: Village-Tendumudi Kharsia**

The training was imparted by Shri Sanjay Patel, Asst. Area Officer, Dpt. Of Animal Husbandry and Dr. Mukesh Giri Goswami, Secretary, JanMitram.

Other master trainers were Mr. Jeevan Lal Bhagat and Mr. Santosh Bishi from JanMitram.



The training programme covered various livelihood aspects like Goat Farming, Dairy production, Bee Keeping, Potter Training and Processing units. During the course of training majority of the participants were interested for **Goat Farming** looking towards the need and demand of the area. Shri Sanjay Patel from Animal Husbandry explained about the Goat Farming in details like types of quality breed and kind of management required.

The participants were also informed about **Dairy Production** in details like its benefits and source of income generation from the dairy production. During the discussion over **Bee Keeping** Dr. Mukesh Goswami delivered about its importance, management and ways of income generation. He also explained about the market linkage, packing and branding.

### 5.3 Training on agriculture Practices

- **Date: 23.09.2022**
- **No. of participants: 59**
- **Venue: Village-Tendumudi, Kharsia**

The training was conducted to cover the objectives of agriculture aspects. The training was provided by Shri Chandrakant Dubey, Agriculture Officer, Dpt. Of Agriculture and Dr. Mukesh Giri Goswami, Secretary, JanMitram.



Training sessions were based on the discussions on aspects of sustainable agriculture and various farm practices. Seed treatment, season wise change in crop varieties and climate change adaptation and mitigation strategies in agriculture were also explained by the agriculture expert Chandrakant Dubey. The training programme also witnessed farmers from NABARD Watershed area.

### 5.4 Training on watershed structures

- **Date: 21.09.2022**
- **No. of participants: 52**
- **Venue: Village-Tendumudi, Kharsia**

The main agenda of the training was to discuss the basic information of watershed structures.



Mr. Suresh Kumar Dansena, GIS expert explained about the

important aspects covering various structures, maintenance of any watershed and how a village participation can be implemented in watershed programme.

To add more valuable points during the training Dr. Mukesh Goswami explained about the further advantage from the watershed and how SHGs can be a good tool for income generation. The training ended with discussion with participants over watershed programme.

6- SHG Formation: To ensure women development, credit support and self-help, SHG are formed in the villages. List of these SHGs are hereunder.

S.N	Name of SHG	Date of formation	No. Of members	Monthly contribution per member (INR)	Total Savings (INR)	Bank A/C opened (Yes/No)	A/C details	Rate of interest per month
1	Bhumi SHG	01.01.2018	10	100	150000	Yes	5535101001647	7%
2	Saraswati SHG	05.05.2019	10	100	70000	Yes	5535101001660	-
3	Radha SHG	30.11.2019	11	100	50000	Yes	5535101001657	7%
4	Geeta SHG	01.12.2019	12	100	65000	Yes	5535101001662	7%
5	Siddhi Vinayak SHG	01.12.2019	10	100	40000	Yes	5535101001661	7%
6	Lata SHG	01.01.2022	11	100	30000	Yes	5535101001671	7%
7	Stuti SHG	01.10.2018	14	100	72000	Yes	5535101001670	7%
8	Jagannath SHG	10.12.2019	10	100	35000	Yes	5535101001688	-

### Success stories

#### 1. Sukhlal Rathia

**Sukhlal Rathia** is a traditional farmer of village Tendumudi, Kharsia. He lives with his wife Khirmati and lone daughter Chuleshwari who studies in Govt. Middle School. Since, childhood Sukhlal has witnessed poverty and had very limited sources for fundamental living. He had only 0.5 acre of farm land where he used to crop one seasoned paddy of short duration (60-65 day) which yields averagely upto 07-08 quintals per season. He only depends on rainfall for irrigation and has no alternate source of water and regular protection. Apart from lacking of fundamental needs he hasn't been seen in any new clothes or other facilities that other person might have. He stimulated others from his life style of being simple.



In the year 2018-19 there was a training programme in that area for implementation of watershed development prior to the selection of beneficiaries. Looking forward to the condition of Sukhlal and realizing its irregular production and less amount of growth, our team members met Sukhlal and **helped him in creation of farm bund**. After multiple tries and consistent efforts we have developed a farm bund to his farm (which is now 0.65 acre) due to which he has rotated his paddy crop variety to longer duration of hybrid (100-105 days) **due to which his yield has increased up to 14-16 quintals**.

The construction of farm bunds ensures the holding of water for longer duration and his problems also sorted in some manner. He gifted a new saree to his wife Khirmati after so many years and also provided some quality books to his daughter to add cushion in her studies. He all smiles now and we are also happy to see him smile.

## 2. Ram Kumar

**Ram Kumar** is young, energetic and a family bound traditional farmer of village Tendumudi, Kharsia. He lives in a joint family of 05 members having widow mother Jagmoti Rathia (72), wife Shakuntala and 03 children Gopal (13), Vaishnavi (11) and Dudheswari (10).



He had 02 acre of farm land where he used to crop the traditional crops of paddy with no intercropping in between. In the year 2018-19, we selected his area during CBP phase for repair and maintenance of farm bunding. Looking forward to his the frequent crop losses an interaction was made by our team members and they visited the farm of Ram Kumar and helped him in recreation/repair of farm bund and suggested to crop the groundnuts looking forward to the potential of high productions.

After multiple tries and consistent efforts he has developed a productive groundnut farm and in between other cereals of water deficient. Alternatively, there is a good production of paddy in between increasing up to **42-44 quintals**.

The farm bunds and suggestion for growing groundnut proven to be worth gold as it is **producing 15-20 quintals of groundnut**.

## 3. Omkar Rathia

Omkar is a hard working traditional farmer of village Tendumudi, Kharsia. He lives with his wife Urmila.

He had 1.15 acre of farm land where he used to crop the traditional crops of paddy of short rotation. His paddy production per season is only 15-18 quintal and could practice only once in a year. It was the year 2018-19 when we chosen Omkar for the implementation of programme.



**A farm bund to his farm has increased his cultivated area to which is now 1.35 acre** due to which he has rotated his paddy crop variety to longer duration of hybrid **Swarna (100-105 days)** which yield **averagely up to 30-35 kg**. The farm bunds ensure the holding of water for longer duration and his problems also sorted in some manner.

He gifted a new pair of clothes to his wife Urmila after so many years and also paid all his debts to the shopkeeper of his village.

#### 4- Aatma Ram Rathia

**Anand Ram** , aged 80 is an inspiration for many. He lives in small mud house in village Tendumudi of Kharsia with his wife Kalamati. He served all his due duties to his children and they are living happily somewhere else from the native place. Aatam Ram is sincere, devoted and hard working. He knows the value of hard earned money therefore infect being alone and old age he still works. Poverty, less amount of resources has not let him down and he completed all his due diligence. He had a farm pond of size 15x15x01 mt and had 03 acre of farm land where he used to crop in rabi season only, he also crop groundnut in entire area for soil rotation for more production. As far as the production is concerned it depends upon the rainfall and other scenarios.

During the net planning and implementation discussion in 2018-19, it was found that area of Aatmaram is quite suitable for farm pond creation.



**The new farm pond ensured the regular water supply during the deficiency of water particularly in summer.** This has not only helped Aatma Ram but also the neighboring farmers. The persisent problem of no irrigation or less irrigation is now sorted. He and his wife Kalamati spend so many times together with no more worrisome due to this asset in their farm

Now, he along with **other farmers is blessed with irrigation facility in both seasons i.e.khariff and rabi.** Aatamram has encouraged many farmers like him to think positively even though the circumstances are substantial difficult.

## Annexure I- List of Farm Bunding works

S.No	Survey No	Name	Area (ha)	Villages	Type	Vol (cum)	Amt. (Rs)	Contri. bution	Payment
1	7	Dayaram Rathia	0.142	Jampali	FB	36.0	3995	639	3356
2	21	Dayaram Rathia	0.186	Jampali	FB	27.0	2996	479	2517
3	31	Dayaram Rathia	0.186	Jampali	FB	11.2	1238	198	1040
4	51	Janki Rathia	0.065	Jampali	FB	7.8	866	138	727
5	52	Sukha Lal Rathia	0.042	Jampali	FB	5.0	559	89	470
6	89	Mayaram Rathia	0.095	Jampali	FB	11.4	1265	202	1063
7	147	Sukha Lal Rathia	0.789	Jampali	FB	94.7	10507	1681	8826
8	129/2	Dayaram Rathia	0.405	Jampali	FB	48.6	5393	863	4530
9	146/5	Mayaram Rathia	0.272	Jampali	FB	32.6	3622	580	3043
10	43/2	Dayaram Rathia	0.163	Jampali	FB	22.7	2517	403	2114
11	59/2	Mayaram Rathia	0.094	Jampali	FB	11.3	1252	200	1051
12	55/4	Patang singh	0.21	Kukricholi	FB	53.4	5153	824	4329
13	55/5	Gorishankar	0.125	Kukricholi	FB	46.8	4516	723	3794
14	57/2	Patang singh	0.308	Kukricholi	FB	37.8	3648	584	3064
15	66/4	Sukhram	0.014	Kukricholi	FB	27.0	2606	417	2189
16	67/3	Sukhram	0.38	Kukricholi	FB	58.8	5674	908	4766
17	68/2	Kartikram	0.121	Kukricholi	FB	28.2	2721	435	2286
18	72/1	Patang singh	0.405	Kukricholi	FB	51.0	4922	787	4134
19	72/5	Aduram	0.283	Kukricholi	FB	58.8	5674	908	4766
20	73/2	Kartikram	0.113	Kukricholi	FB	41.4	3995	639	3356
21	73/5	chhotelal	0.068	Kukricholi	FB	58.8	5674	908	4766
22	79/2	Chamru	0.162	Kukricholi	FB	53.4	5153	824	4329
23	80/1	Parmand	0.113	Kukricholi	FB	48.0	4632	741	3891
24	81/4	Parmannnd	0.409	Kukricholi	FB	58.8	5674	908	4766
25	82/2	Sitapati	0.263	Kukricholi	FB	41.4	3995	639	3356
26	82/4	Kaval Singh	0.174	Kukricholi	FB	48.0	4632	741	3891
27	82/6	Tikaram Rathia	0.19	Kukricholi	FB	55.8	5385	862	4523
28	82/8	Raghuvar	0.067	Kukricholi	FB	43.2	4169	667	3502
29	92/1	Jivanlal/Abhayram	0.132	Kukricholi	FB	48.0	4632	741	3891
30	93/2	Janka Ram	0.202	Kukricholi	FB	58.8	5674	908	4766
31	99/2	Vijay Ram	0.162	Kukricholi	FB	51.0	4922	787	4134
32	99/6	Uttam Rathia	0.04	Kukricholi	FB	43.8	4227	676	3550
33	99/7	Phaneswar Rathia	0.04	Kukricholi	FB	22.2	2142	343	1800
34	3	Ping Lal	0.882	tendumudi	FB	105.8	11745	1879	9866
35	111	Brijbhan	0.065	tendumudi	FB	7.8	866	138	727
36	113	Kartik Rathia	0.158	tendumudi	FB	58.0	5597	896	2821
37	115	Kartik Rathia	0.057	tendumudi	FB	33.0	3185	510	1605
38	131	Kainhia/Kularam	0.142	tendumudi	FB	66.0	6369	1019	3210
39	133	Brijbhan	0.235	tendumudi	FB	28.2	3129	501	2629
40	135	Gulab	0.17	tendumudi	FB	20.4	2264	362	1902
41	150	Suklal	0.231	tendumudi	FB	27.7	3076	492	2584
42	170	Chamak	0.105	tendumudi	FB	12.6	1398	224	1175
43	179	Chamak	0.045	tendumudi	FB	5.4	599	96	503
44	195	Chamak	0.125	tendumudi	FB	15.0	1665	266	1398
45	221	Kartik Rathia	0.093	tendumudi	FB	56.0	5404	865	2724
46	234	Kainhia/Kularam	0.121	tendumudi	FB	75.0	7238	1158	3648
47	256	Baharo Rathia	1.234	tendumudi	FB	148.1	16432	2629	13803
48	261	Baharo Rathia	0.926	tendumudi	FB	111.1	12331	1973	10358

49	263	Brijbhan	0.109	tendumudi	FB	13.1	1451	232	1219
50	269	Chamak	0.097	tendumudi	FB	11.6	1292	207	1085
51	276	Suklal	0.459	tendumudi	FB	55.1	6112	978	5134
52	290	Brijbhan	1.1	tendumudi	FB	132.0	14648	2344	12304
53	305	Dindayal	0.263	tendumudi	FB	36.6	3532	565	2967
54	326	Atmaram	0.41	tendumudi	FB	58.8	5674	908	4766
55	335	Atmaram	0.255	tendumudi	FB	51.0	4922	787	2480
56	335	Atmaram	0.255	tendumudi	FB	51.0	4922	787	2480
57	342	Ping Lal	0.308	tendumudi	FB	37.0	4101	656	3445
58	355	Kartik Rathia	0.259	tendumudi	FB	25.0	2413	386	1216
59	356	Suklal	0.684	tendumudi	FB	82.1	9108	1457	7651
60	367	Gulab	0.121	tendumudi	FB	14.5	1611	258	1353
61	375	Chamak	0.085	tendumudi	FB	10.2	1132	181	951
62	382	Ping Lal	0.817	tendumudi	FB	98.0	10879	1741	9139
63	103/2	Ganga Prasad	0.03	tendumudi	FB	12.0	1158	185	973
64	103/4	Ganga Prasad	0.012	tendumudi	FB	10.0	965	154	811
65	134/2	Bricharam	0.162	tendumudi	FB	90.0	8685	1390	4377
66	157/2	Brijbhan	0.186	tendumudi	FB	22.3	2477	396	2081
67	167/1	Gulab	0.263	tendumudi	FB	31.6	3502	560	2942
68	167/3	Gulab	0.17	tendumudi	FB	20.4	2264	362	1902
69	190/2	Brijbhan	0.39	tendumudi	FB	46.8	5193	831	4362
70	190/3	Brijbhan	0.251	tendumudi	FB	30.1	3342	535	2808
71	191/1	Maheswar	0.22	tendumudi	FB	26.4	2930	469	2461
72	191/2	Maheswar	0.209	tendumudi	FB	25.1	2783	445	2338
73	191/3	Maheswar	0.108	tendumudi	FB	13.0	1438	230	1208
74	2/1.	Chamak	0.045	tendumudi	FB	5.4	599	96	503
75	206/1k	Gulab	0.243	tendumudi	FB	29.2	3236	518	2718
76	206/63	Bhanuprasad	0.332	tendumudi	FB	39.8	4421	707	3714
77	216/2	Kartik Rathia	0.065	tendumudi	FB	48.0	4632	741	2335
78	277/3	Chandrbhan	0.955	tendumudi	FB	114.6	12717	2035	10682
79	277/6	Chamak	0.142	tendumudi	FB	17.0	1891	303	1588
80	283/18	Rameswar Rathiya	1.012	tendumudi	FB	121.4	13476	2156	11320
81	283/27	Santosh	1.295	tendumudi	FB	155.4	17245	2759	14486
82	283/36	Chamak	1.416	tendumudi	FB	169.9	18856	3017	15839
83	283/36	Rameswar Rathiya	1.416	tendumudi	FB	169.9	18856	3017	15839
84	296/2	Maheswar	0.039	tendumudi	FB	4.7	519	83	436
85	296/3	Maheswar	0.04	tendumudi	FB	4.8	533	85	447
86	306/1	Suklal	1.643	tendumudi	FB	197.2	21879	3501	18378
87	334/1	Laxmi Prasad	1.773	tendumudi	FB	212.8	23610	3778	19832
88	340/3	Bhanuprasad	0.526	tendumudi	FB	63.1	7004	1121	5884
89	340/4	Laxmi Prasad	0.08	tendumudi	FB	9.6	1065	170	895
90	392/3	Bund Say	0.413	tendumudi	FB	49.6	5500	880	4620
91	52/1	Chamak	0.097	tendumudi	FB	11.6	1292	207	1085
92	52/2	Suklal	0.096	tendumudi	FB	11.5	1278	205	1074
93	62/1	Chamak	0.064	tendumudi	FB	7.7	852	136	716
94	86/2	Pila Singh	0.607	tendumudi	FB	72.8	8083	1293	6790
					<b>FB</b>	<b>4632.6</b>	<b>489407</b>	<b>78305</b>	<b>393171</b>

**Annexure II- List of existing farm bunds repaired**

S.No	Survey No	Name	Area (ha)	Villages	Type	Vol (cum)	Amt. (Rs)	Contribution	Payment
1	68	Brundavati Rathia	0.312	Jampali	RFB	18.7	2077	332	1745
2	70	Brundavati Rathia	0.255	Jampali	RFB	15.3	1698	272	1426
3	79	Brundavati Rathia	0.271	Jampali	RFB	16.3	1804	289	1516
4	82	Brundavati Rathia	0.316	Jampali	RFB	19.0	2104	337	1767
5	83	Brundavati Rathia	1.376	Jampali	RFB	82.6	9162	1466	7696
6	84	Narsingh Rathia	0.676	Jampali	RFB	40.6	4501	720	3781
7	18	Laxmi Prasad	0.19	tendumudi	RFB	11.4	1265	202	1063
8	18	Rungu Rathia	0.19	tendumudi	RFB	21.6	2084	334	1751
9	27	Amrit Rathia	0.364	tendumudi	RFB	21.8	2424	388	2036
10	33	Balmukund	0.04	tendumudi	RFB	34.2	3300	528	2772
11	50	Laxmi Prasad	0.073	tendumudi	RFB	4.4	486	78	408
12	50	Rungu Rathia	0.073	tendumudi	RFB	36.0	3474	556	2918
13	116	Ping Lal	0.162	tendumudi	RFB	9.7	1079	173	906
14	118	Ping Lal	0.073	tendumudi	RFB	4.4	486	78	408
15	121	Rajendra Rathia	0.036	tendumudi	RFB	21.6	2084	334	1751
16	137	Kartik Rathia	0.166	tendumudi	RFB	29.3	2823	452	2371
17	138	Brijbhan	0.129	tendumudi	RFB	7.7	859	137	721
18	138	Amila Rathia	0.129	tendumudi	RFB	38.7	3735	598	3137
19	140	Chamak	0.259	tendumudi	RFB	15.5	1724	276	1449
20	149	Chamak	0.097	tendumudi	RFB	5.8	646	103	543
21	158	Kartik Rathia	0.057	tendumudi	RFB	18.0	1737	278	1459
22	171	Chandrbhan	0.239	tendumudi	RFB	14.3	1591	255	1337
23	176	Chamak	0.036	tendumudi	RFB	2.2	240	38	201
24	177	Kartik Rathia	0.113	tendumudi	RFB	29.3	2823	452	2371
25	178	Kartik Rathia	0.198	tendumudi	RFB	31.1	2996	479	2517
26	204	Santosh	0.061	tendumudi	RFB	3.7	406	65	341
27	205	Santosh	0.093	tendumudi	RFB	5.6	619	99	520
28	211	Gulab	0.113	tendumudi	RFB	6.8	752	120	632
29	222	Baharo Rathia	0.04	tendumudi	RFB	2.4	266	43	224
30	224	Brijbhan	0.081	tendumudi	RFB	4.9	539	86	453
31	224	Bidyannnd Rathia	0.081	tendumudi	RFB	18.0	1737	278	1459
32	228	Chamak	0.32	tendumudi	RFB	19.2	2131	341	1790
33	229	Brijbhan	0.113	tendumudi	RFB	6.8	752	120	632
34	229	Bidyannnd Rathia	0.113	tendumudi	RFB	38.7	3735	598	3137
35	238	Chamak	0.178	tendumudi	RFB	10.7	1185	190	996
36	240	Santosh	0.049	tendumudi	RFB	2.9	326	52	274
37	271	Gulab	0.16	tendumudi	RFB	9.6	1065	170	895
38	282	Ping Lal	0.19	tendumudi	RFB	11.4	1265	202	1063
39	282	Balmukund	0.19	tendumudi	RFB	38.7	3735	598	3137

40	289	Brijbhan	0.162	tendumudi	RFB	9.7	1079	173	906
41	289	Brichha Rathia	0.162	tendumudi	RFB	29.3	2823	452	2371
42	294	Sulomati	0.045	tendumudi	RFB	38.3	3691	591	3101
43	299	Ping Lal	0.186	tendumudi	RFB	11.2	1238	198	1040
44	301	Ping Lal	0.138	tendumudi	RFB	8.3	919	147	772
45	338	Ping Lal	0.214	tendumudi	RFB	12.8	1425	228	1197
46	339	Laxmi Prasad	0.47	tendumudi	RFB	28.2	3129	501	2629
47	345	Balmukund	0.231	tendumudi	RFB	42.3	4082	653	3429
48	359	Dindayal	0.077	tendumudi	RFB	29.3	2823	452	2371
49	362	Chamak	0.045	tendumudi	RFB	2.7	300	48	252
50	363	Chamak	0.057	tendumudi	RFB	3.4	380	61	319
51	366	Brijbhan	0.125	tendumudi	RFB	7.5	832	133	699
52	366	Rambharos	0.125	tendumudi	RFB	18.0	1737	278	1459
53	368	Chamak	0.057	tendumudi	RFB	3.4	380	61	319
54	369	Chamak	0.02	tendumudi	RFB	1.2	133	21	112
55	374	Chamak	0.194	tendumudi	RFB	11.6	1292	207	1085
56	374	Sukul	0.194	tendumudi	RFB	36.0	3474	556	2918
57	376	Brijbhan	0.081	tendumudi	RFB	4.9	539	86	453
58	376	Rambharos	0.081	tendumudi	RFB	41.4	3995	639	3356
59	377	Gulab	0.231	tendumudi	RFB	13.9	1538	246	1292
60	378	Brijbhan	0.105	tendumudi	RFB	6.3	699	112	587
61	378	Rambharos	0.105	tendumudi	RFB	35.1	3387	542	2845
62	105/1	Chamak	0.036	tendumudi	RFB	2.2	240	38	201
63	115/1	Rajendra Rathia	0.049	tendumudi	RFB	27.0	2606	417	2189
64	144/1	Pila Singh	0.158	tendumudi	RFB	9.5	1052	168	884
65	144/2	Chamak	0.21	tendumudi	RFB	12.6	1398	224	1175
66	151/1	Pila Singh	0.866	tendumudi	RFB	52.0	5766	923	4843
67	157/1	Pila Singh	0.446	tendumudi	RFB	26.8	2970	475	2494
68	157/4	Bhupdev Rathia	0.162	tendumudi	RFB	44.6	4299	688	3611
69	157/6	Kartik Rathia	0.069	tendumudi	RFB	12.6	1216	195	1021
70	159/1	Kartik Rathia	0.174	tendumudi	RFB	33.8	3257	521	2736
71	167/2	Gulab	0.243	tendumudi	RFB	14.6	1618	259	1359
72	185/1	Rameswar Rathiya	0.43	tendumudi	RFB	25.8	2863	458	2405
73	188/1	Maheswar	0.101	tendumudi	RFB	6.1	672	108	565
74	188/2	Maheswar	0.051	tendumudi	RFB	3.1	340	54	285
75	188/3	Maheswar	0.05	tendumudi	RFB	3.0	333	53	280
76	189/1	Pila Singh	0.227	tendumudi	RFB	13.6	1511	242	1270
77	189/1	Mahettar Rathia	0.227	tendumudi	RFB	43.2	4169	667	3502
78	189/2	Laxmi Prasad	0.227	tendumudi	RFB	13.6	1511	242	1270
79	189/2	Rungu Rathia	0.227	tendumudi	RFB	42.8	4125	660	3465
80	190/4	Kartik Rathia	0.108	tendumudi	RFB	31.1	2996	479	2517
81	206/5	Gulab	0.275	tendumudi	RFB	16.5	1831	293	1538
82	216/3	Kartik Rathia	0.065	tendumudi	RFB	15.8	1520	243	1277
83	233/1	Kartik Rathia	0.083	tendumudi	RFB	9.5	912	146	766
84	233/2	Kartik Rathia	0.083	tendumudi	RFB	25.2	2432	389	2043
85	277/11	Santosh	0.089	tendumudi	RFB	5.3	593	95	498
86	277/8	Chamak	0.036	tendumudi	RFB	2.2	240	38	201

87	277/9	Chamak	0.036	tendumudi	RFB	2.2	240	38	201
88	278/1	Pila Singh	0.202	tendumudi	RFB	12.1	1345	215	1130
89	279/1	Mangal Rathia	0.036	tendumudi	RFB	35.1	3387	542	2845
90	280/2	Pila Singh	0.898	tendumudi	RFB	53.9	5979	957	5022
91	280/2	Annd Kuwar /Mahettar	0.898	tendumudi	RFB	40.5	3908	625	3283
92	283/16	Amrit Rathia	1.7	tendumudi	RFB	102.0	11319	1811	9508
93	283/25	Bhanuprasad	0.121	tendumudi	RFB	35.1	3387	542	2845
94	283/26	Kainhia/Kularam	0.991	tendumudi	RFB	26.1	2519	403	2116
95	283/28	Chandrbhan	0.04	tendumudi	RFB	2.4	266	43	224
96	283/34	Bund Say	1.214	tendumudi	RFB	72.8	8083	1293	6790
97	283/37	Santosh	1.587	tendumudi	RFB	95.2	10567	1691	8876
98	296/1	Maheswar	0.079	tendumudi	RFB	4.7	526	84	442
99	297/11	Chandrbhan	0.04	tendumudi	RFB	2.4	266	43	224
100	297/12	Chandrbhan	0.04	tendumudi	RFB	2.4	266	43	224
101	297/5	Chandrbhan	0.049	tendumudi	RFB	2.9	326	52	274
102	297/6	Chandrbhan	0.202	tendumudi	RFB	12.1	1345	215	1130
103	297/7	Santosh	0.202	tendumudi	RFB	12.1	1345	215	1130
104	300/1	Bhushan Rathia	0.081	tendumudi	RFB	20.3	1954	313	1641
105	320/1	Pila Singh	0.255	tendumudi	RFB	15.3	1698	272	1426
106	340/1	Laxmi Prasad	0.729	tendumudi	RFB	43.7	4854	777	4077
107	344/1	Chamak	0.058	tendumudi	RFB	3.5	386	62	324
108	353/1	Chamak	0.107	tendumudi	RFB	6.4	712	114	598
109	384/3	Jamuna Rathia	0.345	tendumudi	RFB	9.0	869	139	730
110	55/1	Gulab	0.259	tendumudi	RFB	15.5	1724	276	1449
111	61/7	Chamak	0.014	tendumudi	RFB	0.8	93	15	78
112	70/2	Maheswar	0.038	tendumudi	RFB	2.3	253	40	213
113	71/1	Maheswar	0.075	tendumudi	RFB	4.5	499	80	419
114	71/3	Maheswar	0.037	tendumudi	RFB	2.2	246	39	207
115	80/2	Maheswar	0.104	tendumudi	RFB	6.2	692	111	582
116	80/3	Maheswar	0.103	tendumudi	RFB	6.2	686	110	576
117	91/1	Maheswar	0.118	tendumudi	RFB	7.1	786	126	660
118	91/2	Maheswar	0.059	tendumudi	RFB	3.5	393	63	330
119	91/3	Maheswar	0.058	tendumudi	RFB	3.5	386	62	324
120	94/1	Pila Singh	0.264	tendumudi	RFB	15.8	1758	281	1477
121	95/1	Chamak	0.041	tendumudi	RFB	2.5	273	44	229
					RFB	2297.8	239416.8	38306.7	201110.1

### Annexure III- List of Beneficiaries of Form Pond

SN	Beneficiary name	Village	Khasra No	Size
1	Atma Ram (CBP)	Tendumudi	25	10m X10mx2m
2	Jagat Ram (CBP)	Tendumudi	230	10m X10mx2m
3	Teju Ram (CBP)	Tendumudi	283/3	10m X10mx2m
4	Ghanshyam	Janmpali	385/2	15mX15mX3m
5	Khem Sai Rathia	Jampali	116	15mX15mX3m
6	Arjun Rathia	Tendumudi	15	15mX15mX3m
7	Phool Singh Rathia	Jamapali	123	15mX15mX3m



RO invigilator, Shri Ankit Paul visiting watershed



DDM Raigarh, Shri Tapan Sethi visiting watershed