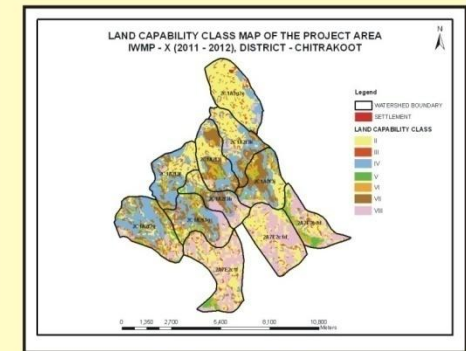
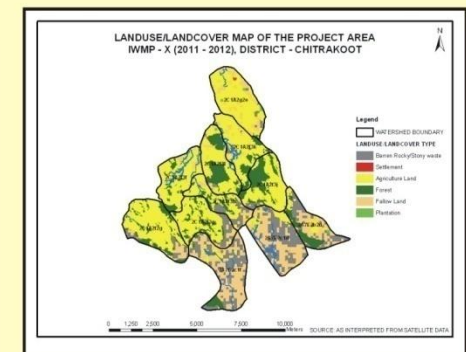
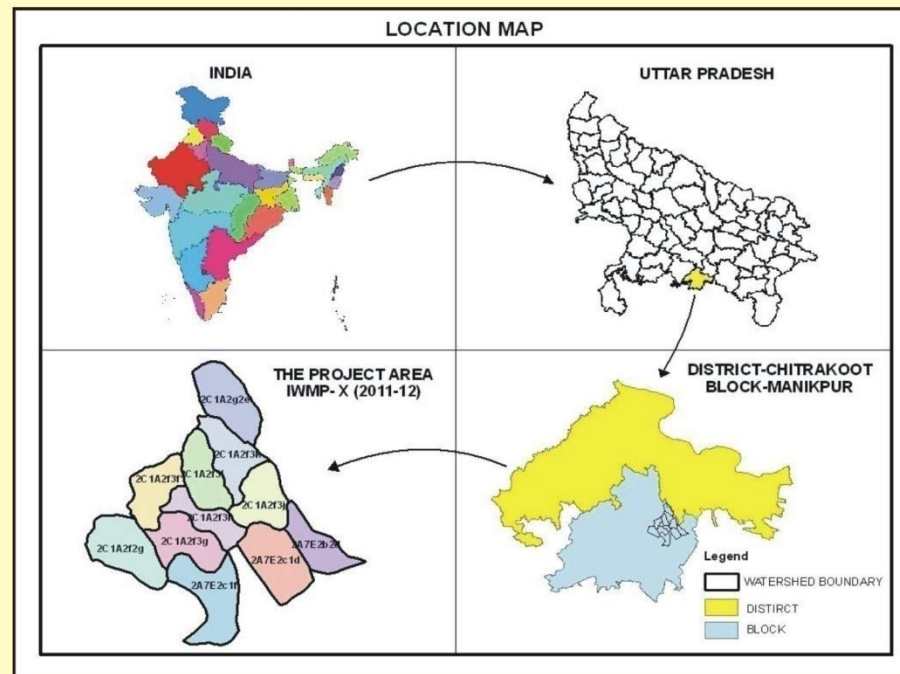
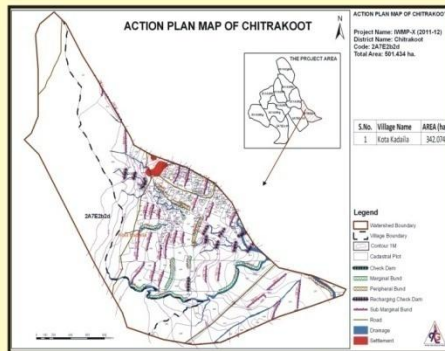
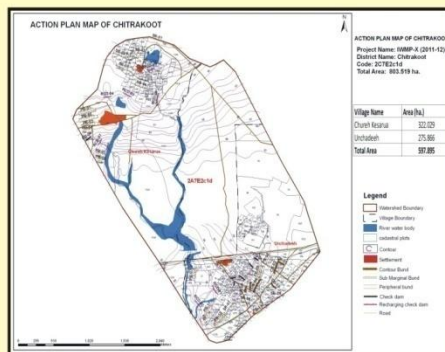


# DETAILED PROJECT REPORT

## OF INTEGRATED WATERSHED MANAGEMENT PROGRAMME- X CHITRAKOOT (2011-12)



Prepared by :  
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Soil Conservation Unit-I, Karwi, Chitrakoot



Submitted to :  
**Dept. of Land Development &  
Water Resources, U.P.**

## **CERTIFICATE**

*It is certified that the proposed IWMP-X project of Chitrakoot district of U.P. comprising eleven (11) micro-watersheds of district Chitrakoot, Uttar Pradesh has been selected for its sustainable development on watershed basis under Integrated Watershed Management Programme. The land is physically available for proposed interventions and is not overlapping with any other schemes. It will be developed as per Common Guidelines for Watershed Development Project-2008, GOI, New Delhi. The significant results will be achieved through proposed interventions on soil and water conservation, ground water recharge, availability of drinking and irrigation water, agricultural production systems, livestock, fodder availability, livelihoods of asset-less, capacity building, etc. The proposed Detailed Project Report of IWMP-X for financial year 2011-12 is submitted for its approval and implementation.*

**Bhoomi Sanrakshan Adhikari**

Department of Agriculture,  
Soil Conservation Unit, Karwi-1, Chitrakoot

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## **EXECUTIVE SUMMARY**

IWMP-X Project is situated in Patha region of Manikpur Block of Chitrakoot district, Uttar Pradesh. The Project area comprises of 11 Micro-watersheds. The total geographical area of the project is 7101.583 ha, out of which 4756.317 ha area has been taken for treatment under Integrated Watershed Management Programme starting year 2011-12. Total (06) villages are being covered under this project. This watershed has been identified by the state department under I.W.M.P. scheme by proper prioritization of different parameters for watershed selection criteria. The above watershed is located on Karwi-Manikpur road about 45 kms from the district headquarter. It lies between 25°03'06"N to 25°10'36" N latitude and 81°06'34"E to 81°14'14" E longitude. Brief details of various component of the project are given below.

The physical feature of the project area is sharp and distinct from the rest of the district. The escarpment of Vindhyachal Range is known for broken hilly ground with projections of the main plateau in the shape of flat topped hills. The area between the hills is generally undulating and more often than not, traversed by a network of ravines.

There are large varieties of minerals, known and unexplored. Among the known geological formations are sandstone, limestone, shales, Bundelkhand granites etc.

The soil generally varies from sandy loam to loam, is reddish in colour and contains proportions of gravel practically every-where and iron nodules on the second plateau.

The altitude of the area, on an average, ranges from 172 to 316 m above the Mean Sea Level (MSL). The summer, rainy and winter temperatures range between 30-44°C, 20-24°C and 14-21°C respectively. The May and June are the hottest months and sometime temperature goes up to 48.0oC and



minimum temperature falls to 2.0°C during December-January. The run-off of the project area is about 355.24 mm per year.

Agriculture practices in the area are generally mono-cropping due to Anna Pratha. The farmers generally leave their fields fallow for free range grazing system in Kharif season, which makes cultivation difficult. These livestock, generally sheep, goat and indigenous cattle, having low productivity are let loose for grazing.

The baseline surveys have been conducted at individual household level. The details are given in chapter 3. The institution arrangement like PIA and its staff, WDT, UG, SHG and WC details have been annexed in chapter 4. The management and action plan like livelihood, production system and treatment area action plan details have been annexed in the respective chapters. All the thematic maps pertaining to the project area have been attached along with the action plan map. Finally an attempt has been made to prepare individual project wise file for all the MWS wise.

**TABLE 1: PROJECT AT A GLANCE**

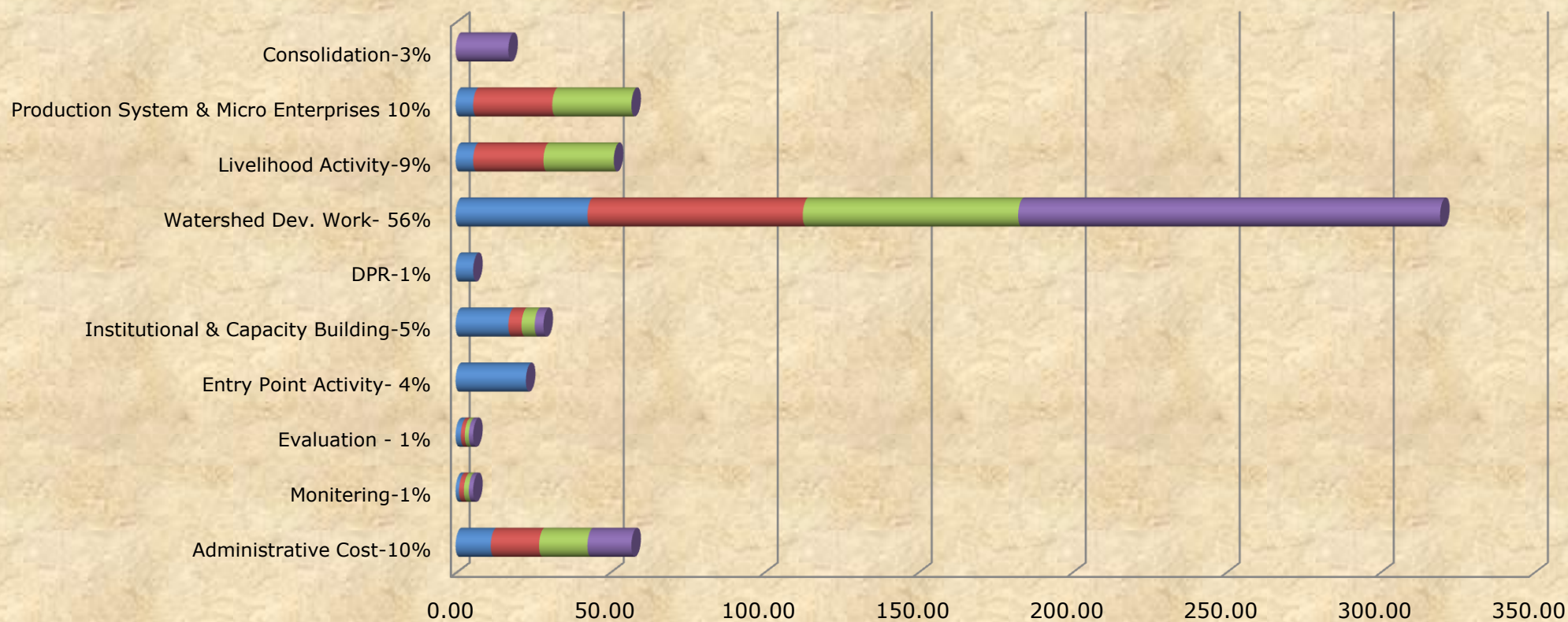
1.	Name of Project	IWMP-X, R. B. YAMUNA RIVER WATERSHED			
2.	Name of Block	Manikpur			
3.	Name of District	Chitrakoot			
4.	Name of State	Uttar Pradesh			
5.	No of Micro Watershed	11			
6.	Name of Village under Micro Watershed	Chureh Kaserua, Garhchapa, Gauriya, Kota Kandaila, Kobra, Uchadeeh			
7.	Name and Code of Micro Watershed	Garhchapa I 2C1A2f3f	Garhchapa II 2C1A2f3h	Garhchapa III 2C1A2f3g	Garhchapa IV 2C1A2f3l
		Gauriya I 2C1A2f3j	Gauriya II 2C1A2f3k	Gauriya III 2C1A2g2e	Kota Kandaila 2A7E2b2d
		Chureh Kaserua I 2A7E2c1f	Chureh Kaserua II 2C1A2f2g	Uchadeeh 2A7E2c1d	
8.	Project Area	7101.583 ha			
9.	Rainfed Area	3330.317 ha			
10.	Proposed Area for Treatment	4756.317 ha			
11.	Cost per Hectare	Rs. 12000/ha			
12.	Project Period	2011-12 To 2014-15			
13.	Total Cost of Project	Rs. 570.76 Lacs			

**TABLE 2: YEAR-WISE PHASING (PHYSICAL & FINANCIAL) OF IWMP-X,  
CHITRAKOOT (U.P.)**

Phy. In ha, Fin. in lacs

S. No.	Particulars	Ist Year 2011-12		IInd Year 2012-13		IIIrd Year 2013-14		IVth Year 2014-15		Total	
		Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy
1	Administrative Cost-10%	11.42	-	15.70	-	15.70	-	14.27	-	57.08	-
2	Monitering-1%	1.14	-	1.57	-	1.57	-	1.43	-	5.71	-
3	Evaluation - 1%	1.71	-	1.28	-	1.28	-	1.43	-	5.71	-
4	Entry Point Activity- 4%	22.83	-	0.00	-	0.00	-	0.00	-	22.83	-
5	Institutional & Capacity Building-5%	17.12	-	4.28	-	4.28	-	2.85	-	28.54	-
6	DPR-1%	5.71	-	0.00	-	0.00	-	0.00	-	5.71	-
7	Watershed Dev. Work- 56%	42.81	713.45	69.92	1117.73	69.92	1117.73	136.98	1807.40	319.62	4756.317
8	Livelihood Activity-9%	5.71	-	22.83	-	22.83	-	0.00	-	51.37	-
9	Production System & Micro Enterprises 10%	5.71	-	25.68	-	25.68	-	0.00	-	57.08	-
10	Consolidation-3%	0.00	-	0.00	-	0.00	-	17.12	-	17.12	-
	<b>Total</b>	<b>114.15</b>	<b>713.45</b>	<b>141.26</b>	<b>1117.73</b>	<b>141.26</b>	<b>1117.73</b>	<b>174.08</b>	<b>1807.40</b>	<b>570.76</b>	<b>4756.317</b>

## Budget for the various components



	Administrative Cost-10%	Monitering-1%	Evaluation - 1%	Entry Point Activity- 4%	Institutional & Capacity Building-5%	DPR-1%	Watershed Dev. Work-56%	Livelihood Activity-9%	Production System & Micro Enterprises 10%	Consolidation-3%
Ist Year	11.42	1.14	1.71	22.83	17.12	5.71	42.81	5.71	5.71	0.00
IInd Year	15.70	1.57	1.28	0.00	4.28	0.00	69.92	22.83	25.68	0.00
IIIrd Year	15.70	1.57	1.28	0.00	4.28	0.00	69.92	22.83	25.68	0.00
IVth Year	14.27	1.43	1.43	0.00	2.85	0.00	136.98	0.00	0.00	17.12

**TABLE 3: BUDGET FOR VARIOUS COMPONENTS, IWMP-X, CITRAKOOT**

<b>S. No.</b>	<b>Budget Component</b>	<b>%</b>	<b>Total (Rs)</b>	<b>Total (lakhs)</b>
	<b>MANAGEMENT PHASE</b>			
<b>A.</b>	1. Administrative	10	5,707,580	57.076
	2. Monitoring	1	570,758	5.708
	3. Evaluation	1	570,758	5.708
	<b>Sub Total</b>	<b>12</b>	<b>6,849,096</b>	<b>68.491</b>
	<b>PREPARATORY PHASE</b>			
<b>B.</b>	1. Entry Point Activities	4	2,283,032	22.830
	2. Institution and Capacity Building	5	2,853,790	28.538
	3. Detailed Project Report(DPR)	1	570,758	5.708
	<b>Sub Total</b>	<b>10</b>	<b>5,707,580</b>	<b>57.076</b>
	<b>WATERSHED WORKS PHASE</b>			
<b>C.</b>	1. Watershed Development Works	56	31,962,450	319.625
	2. Livelihood Activities for the asset less persons	9	5,136,822	51.368
	3. Production System and Micro Enterprises.	10	5,707,580	57.076
	<b>Sub Total</b>	<b>75</b>	<b>42,806,853</b>	<b>428.069</b>
<b>D.</b>	<b>CONSOLIDATION PHASE</b>	<b>3</b>	<b>1,712,274</b>	<b>17.123</b>
	<b>GRAND TOTAL</b>	<b>100</b>	<b>57,075,804</b>	<b>570.758</b>

# **CHAPTER-1**

## **INTRODUCTION & BACKGROUND**

## **INTRODUCTION**

The IWMP-X (2011-12) project is situated in Manikpur Block of Chitrakoot district, Uttar Pradesh. It is about 5 km away from Manikpur Block, and 25 km from the district headquarter Chitrakoot. There are eleven micro-watershed included in the project. The project area comprises of 06 villages namely: - Garhchapa, Gauriya, Kota Kandaila, Chureh Kaserua, Kobra and Uchadeeh. It lies in the South of the district. Total area of Watershed is 7101.583 ha, out of which 3330.317 ha is rainfed, and 4756.317 ha area have been proposed to be treated under IWMP Programme.

The watershed is proposed to be taken by Bhoomi Sanrakshan Adhikari, Department of Agriculture soil conservation unit-I, Karwi (Chitrakoot) for IWMP programme starting from 2011-12.

The Status of Integrated Watershed Management Programme as approved by Steering Committee, Govt. of India, for Chitrakoot district, Uttar Pradesh is given in Table Nos. 1.1, 1.2.



**TABLE 1.1: STATUS OF WATERSHED PROGRAMME, DISTRICT- CHITRAKOOT**

<b>Details</b>	<b>No.</b>	<b>Area (Lac ha)</b>
<b>1</b>	<b>2</b>	<b>3</b>
Total Micro watersheds in the district	571	316400
Workable Micro Watersheds	431	243830
Micro Watersheds already treated by DLWR & other agencies	99	55000
Balance Micro Watersheds (MWS) for treatment (Before start of IWMP in district)	354	205622

**TABLE 1.2: DETAILS OF IWMP FOR WHICH THIS DPR IS PREPARED**

<b>Watershed project</b>	<b>Micro Watershed Name</b>	<b>Micro watershed code</b>	<b>Treatment Area (ha)</b>	<b>Name of Watershed in which MWS is falling (River / Nala name)</b>
IWMP-X Chitrakoot	Kota Kandaila	2A7E2b2d	242.000	R.B. Yamuna River
	Uchadeeh	2A7E2c1d	520.060	R.B. Yamuna River
	Chureh Kaserua I	2A7E2c1f	525.000	R.B. Yamuna River
	Chureh Kaserua II	2C1A2f2g	270.800	R.B. Yamuna River
	Garhchapa I	2C1A2f3f	540.000	R.B. Yamuna River
	Garhchapa II	2C1A2f3h	295.110	R.B. Yamuna River
	Garhchapa III	2C1A2f3g	237.510	R.B. Yamuna River
	Gauriya I	2C1A2f3j	512.320	R.B. Yamuna River
	Gauriya II	2C1A2f3k	363.517	R.B. Yamuna River
	Garhchapa IV	2C1A2f3l	550.000	R.B. Yamuna River
	Gauriya III	2C1A2g2e	700.000	R.B. Yamuna River
	<b>Total</b>		<b>4756.317</b>	

## MAIN OBJECTIVES FOR WATERSHED DEVELOPMENT

- (a) Conservation, development and sustainable management of natural resources including their uses.
- (b) Enhancement of agricultural production and productivity in a sustainable manner.
- (c) Restoration of ecological balance in the degraded and fragile rain-fed ecosystem.
- (d) Reduction in regional disparity between rain-fed and irrigated areas.
- (e) Creation of sustainable employment opportunities for the rural community for livelihood.

The main problem in a watershed is the soil erosion by rainfall. The runoff water transports the sediments which may block the channel head, dam, reservoir and storage structures, etc. which in turn affect the agriculture production in the area.

**TABLE 1.3: PROBLEM IDENTIFICATION AND PRIORITIZATION FOR WATERSHED**

S. No.	Problem	Rank
1	Low production of field crops due to soil erosion	5
2	Lack of drinking water	3
3	Lack of irrigation water	1
4	Lack of fodder availability and low annual productivity	8
5	Non-availability of Sufficient school	7
6	Lack inputs like quality seeds, fertilizer, pesticides etc.	4
7	Lack of market facility	9
8	Lack of medical, educational and transportation facilities	2
9	Medical and health care facilities for milking animals and low productivity	6

Strength, Weakness, Opportunity and Threat (SWOT) Analysis Is a Useful Decision Support Tool and detailed below.

**TABLE 1.4: A SWOT ANALYSIS OF WATERSHED IS PRESENTED AS BELOW:**

<b>Strength (S)</b>	<b>Weakness(W)</b>
1- Cooperative work culture is traditional activities 2- Close ethnic tier 3- Road at the top as well as outlet of the watershed 4- Hard working man power 5- Resource pool of crop genetic diversity 6- Awareness of farmers about watershed management program 7- Well established CPR maintaining and sharing system 8- Good productivity of soil. 9- Social outlook of the community towards landless	1- Poor water management 2- Resource poor farmers 3- Out migration of youth 4- Low and erotic rainfall 5- Fragile geography 6- Fragmented land holding. 7- Heavy infestation of wild animals 8- Problem of fuel and fodder 9- ANNA-PRATHA
<b>Opportunities(O)</b>	<b>Threats (T)</b>
1- Wide range of annual and perennial crops 2- Scope of regular employment opportunity to check out migration 3- Strengthening of existing irrigation system 4- Conductive climate for rainfed crop diversification 5- Good scope for agro-forestry and dry land horticulture. 6- Potential for collective active action and management of CPRs.	1- Prone to adverse climate like drought 2- High market risk 3- Social conflicts owing to PRI & WSM policies and local policies. 4- Weak coordination among line departments. 5- Lack of expertise of implementing agencies in different aspect of WSM.

**TABLE 1.5: WEIGHTAGE OF THE PROJECT**

1	2	3	4	5	6	7							
S. No.	District	Name of the project	No. of micro water sheds proposed to be covered	Proposed project area (ha)	Type of project (Hilly/ Desert/ Others)	Proposed cost (Rs. in lakh)							
1	Chitrakoot	IWMP-X	11	4756.317	Other	570.758							
8													
Weightage under the criteria													
i	ii	iii	iv	v	vi	vii	viii	ix	x	xi	xii	xiii	Total
10	5	5	7.50	0	10	10	7.50	7.50	10	10	15	0	97.50

**TABLE 1.6: CRITERIA AND WEIGHTAGE FOR SELECTION OF WATERSHED**

<b>Criteria</b>	<b>Maximum Score</b>	<b>Ranges &amp; Scores</b>			
Poverty index (% of poor to population)	10	Above 80 % (10)	80 to 50 % (7.5)	50 to 20 % (5)	Below 20 % (2.5)
% of SC/ ST population	10	More than 40 % (10)	20 to 40 % (5)	Less than 20 % (3)	—
Actual wages	5	Actual wages are significantly lower than minimum wages (5)	Actual wages are equal to or higher than minimum wages (0)	—	—
% of small and marginal farmers	10	More than 80 % (10)	50 to 80 % (5)	Less than 50 % (3)	—
Ground water status	5	Over exploited (5)	Critical (3)	Sub critical (2)	Safe (0)
Moisture index/ DPAP/ DDP Block	15	-66.7 & below (15) DDP Block	-33.3 to -66.6 (10) DPAP Block	0 to -33.2 (0) Non DPAP/ DDP Block	—
Area under rain-fed agriculture	15	More than 90 % (15)	80 to 90 % (10)	70 to 80% (5)	Above 70 % (Reject)
Drinking water	10	No source (10)	Problematic village (7.5)	Partially covered (5)	Fully covered (0)
Degraded land	15	High – above 20 % (15)	Medium – 10 to 20 % (10)	Low- less than 10 % of TGA (5)	—

<b>Criteria</b>	<b>Maximum Score</b>	<b>Ranges &amp; Scores</b>			
Productivity potential of the land	15	Lands with low production & where productivity can be significantly enhanced with reasonable efforts (15)	Lands with moderate production & where productivity can be enhanced with reasonable efforts (10)	Lands with high production & where productivity can be marginally enhanced with reasonable efforts (5)	—
Contiguity to another watershed that has already been developed/ treated	10	Contiguous to previously treated watershed & contiguity within the micro watersheds in the project (10)	Contiguity within the micro watersheds in the project but non contiguous to previously treated watershed (5)	Neither contiguous to previously treated watershed nor contiguity within the micro watersheds in the project (0)	
Cluster approach in the plains (more than one contiguous micro-watersheds in the project)	15	Above 6 micro-watersheds in cluster (15)	4 to 6 micro watersheds in cluster (10)	2 to 4 micro watersheds in cluster (5)	
Cluster approach in the hills (more than one contiguous micro-watersheds in the project)	15	Above 5 micro-watersheds in cluster (15)	3 to 5 micro watersheds in cluster (10)	2 to 3 micro watersheds in cluster (5)	
<b>Total</b>	<b>150</b>	<b>150</b>	<b>90</b>	<b>41</b>	<b>2.5</b>



# **CHAPTER – 2**

## **GENERAL DESCRIPTION OF PROJECT AREA**

## Location:-

The micro-watershed IWMP-X is situated in Manikpur Block of Chitrakoot district, U.P. It is located on Karwi-Manikpur road about 5 km from Manikpur Block, and 25 km from the district headquarter. It lies in the southern part in the district Chitrakoot. The details about micro-watersheds, their geographical location (lat/long), Gram Panchayat, villages and its geographical area, etc. is given in Table 2.1

**Table 2.1: Micro-watershed wise details of location, Gram Panchayat, villages and geographical area of IWMP- X, Chitrakoot**

S. No.	Name of micro watershed	watershed Code	Latitude / Longitude	Name of GP	Names of villages	Name of Block	Area of village included in MWS	Details of important /approach road with distance km
1	2	3	4	5	6	7	8	9
1	Kota Kandaila	2A7E2b2d	81°12'16"E 25°7'6"N 81°14'31"E 25°5'10"N	Kota Kandaila	Kota Kandaila	Manikpur	242.000	Road Map has been attached.
	<b>Sub Total</b>						<b>242.000</b>	
2	Uchadeeh	2A7E2c1d	81°10'58 "E 25°6'32"N 81°13'5"E 25°4'22"N	Chureh Kaserua Uchadeeh	Chureh Kaserua Uchadeeh	Manikpur	271.860 248.200	
	<b>Sub Total</b>						<b>520.060</b>	
3	Chureh Kaserua I	2A7E2c1f	81°9'2"E 25°5'46"N 81°11'2"E 25°3'18"N	Chureh Kaserua	Chureh Kaserua	Manikpur	525.000	
	<b>Sub Total</b>						<b>525.000</b>	
4	Chureh Kaserua II	2C1A2f2g	81°6'48"E 25°6'43"N 81°9'3"E 25°4'46"N	Chureh Kaserua Garhchapa	Chureh Kaserua Garhchapa	Manikpur	17.740 253.060	
	<b>Sub Total</b>						<b>270.800</b>	
5	Garhchapa I	2C1A2f3f	81°7'57"E 25°8'20"N 81°9'34"E 25°6'18"N	Garhchapa	Garhchapa	Manikpur	540.000	
	<b>Sub Total</b>						<b>540.000</b>	

S. No.	Name of micro watershed	watershed Code	Latitude / Longitude	Name of GP	Names of villages	Name of Block	Area of village included in MWS	Details of important /approach road with distance km
1	2	3	4	5	6	7	8	9
6	Garhchapa III	2C1A2f3g	81°8'24"E 25°6'48"N 81°10'43"E 25°5'12"N	Garhchapa	Garhchapa	Manikpur	237.510	Road Map has been attached.
	Sub Total						237.510	
7	Garhchapa II	2C1A2f3h	81°8'51"E 25°7'29"N 81°11'15"E 25°5'45"N	Garhchapa	Garhchapa	Manikpur	295.110	
	Sub Total						295.110	
8	Gauriya I	2C1A2f3j	81°10'44"E 25°8'8"N 81°12'25"E 25°6'18"N	Gauriya	Gauriya	Manikpur	288.970	
				Garhchapa	Garhchapa		69.270	
				Uchadeeh	Uchadeeh		45.190	
				Chureh Kaserua	Chureh Kaserua		108.890	
	Sub Total						512.320	
9	Gauriya II	2C1A2f3k	81°9'52"E 25°9'20"N 81°11'55"E 25°6'57"N	Gauriya	Gauriya	Manikpur	329.217	
				Kobra	Kobra		34.300	
	Sub Total						363.517	
10	Garhchapa IV	2C1A2f3l	81°9'26"E 25°8'59"N 81°10'53"E 25°6'48"N	Garhchapa	Garhchapa	Manikpur	534.200	
				Kobra	Kobra		15.800	
	Sub Total						550.000	
11	Gauriya III	2C1A2g2e	81°9'45"E 25°10'45"N 81°11'41"E 25°8'30"N	Gauriya	Gauriya	Manikpur	620.480	
				Kobra	Kobra		79.520	
	Sub Total						700.000	
	Total						4756.317	

# जनपद-चित्रकूट

जनपद फतेहपुर

उत्तर

## संकेत तालिका

1	राज्य की सीमा	~
2	जिले की सीमा	~
3	विकासखंड की सीमा	~
4	नदी	~
5	रेलवे लाइन	~
6	सड़क	~

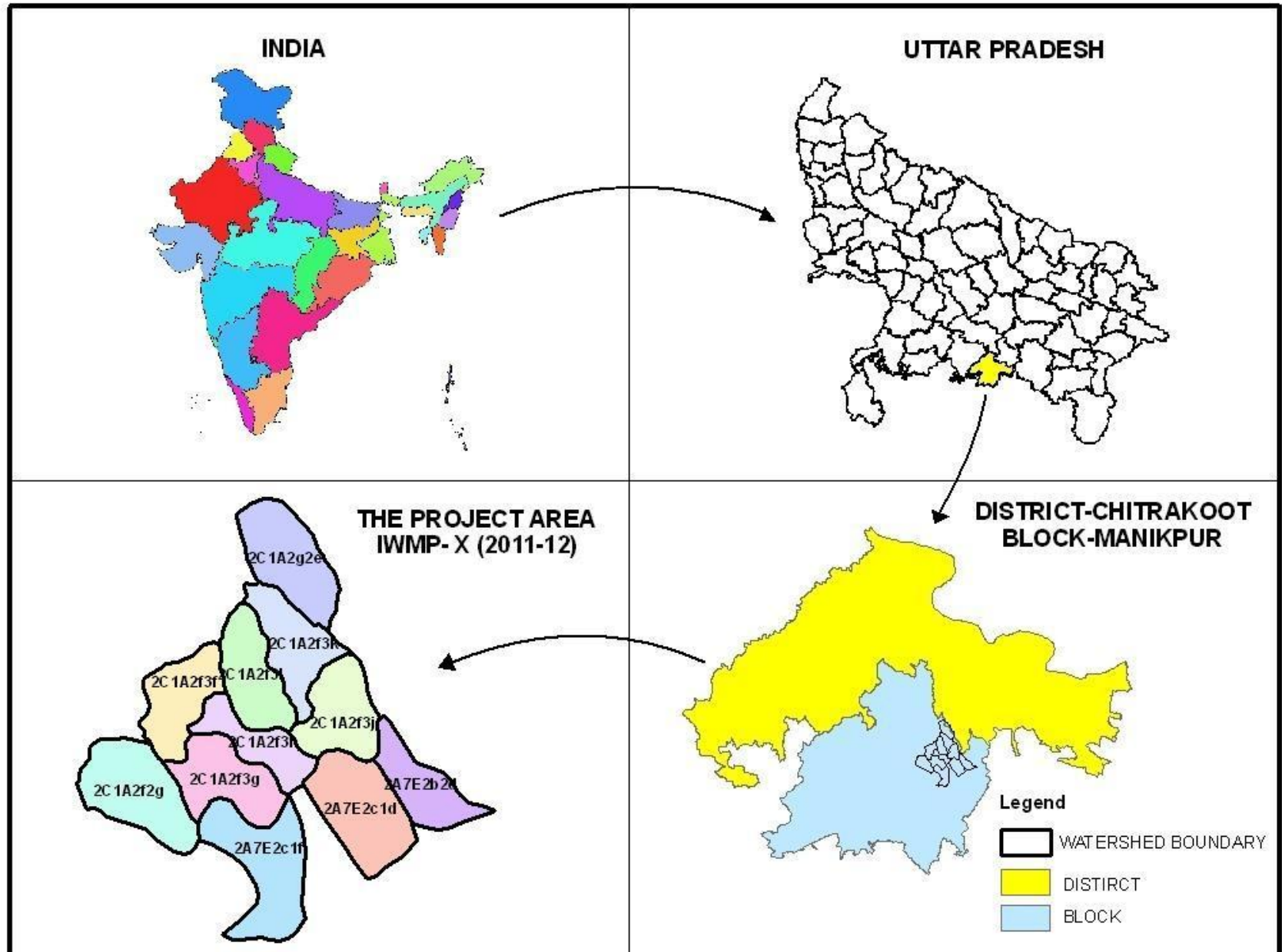


देव गौड़ पाण्डे  
कार्टोग्राफिक असिस्टेंट  
चित्रकूट

31-3-05  
मो० नसीम अन्सारी  
अर्थ एवं संख्याधिकारी  
चित्रकूट।



## LOCATION MAP



## Area and Landuse:

Total area of the watershed is 7101.583 ha out of which treatable area are 4756.317 ha. Rainfed area is 3330.317 ha. Details of present land-use are given in Table 2.2.

**TABLE 2.2: LAND USE/LAND COVER STATISTICS OF THE PROJECT AREA**

S. No.	Name of MWS	Code of MWS	Cultivated and wasteland				Area details (ha)							
			area (ha)				(falling within the projects)							
			Cultivated rainfed area	Cultivated irrigated area	Uncultivated wasteland/ fallow		Pvt. Agri. Land				Forest Land	Community land	Others (Pl. specify)	Total area (ha)
					Temp.	Permanent	Gen	SC/ST	OBC	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Kota Kandaila	2A7E2b2d	169.446	0.00	72.55	25.94	49.14	44.06	76.25	169.45	207.55	18.16	7.78	<b>501.435</b>
2	Uchadeeh	2A7E2c1d	364.140	155.90	155.92	28.35	150.81	135.21	234.02	520.04	70.86	19.84	8.50	<b>803.519</b>
3	Chureh Kaserua I	2A7E2c1f	367.599	0.00	157.40	33.92	106.60	95.58	165.42	367.60	271.36	23.74	10.18	<b>864.201</b>
4	Chureh Kaserua II	2C1A2f2g	189.611	0.00	81.19	53.48	54.99	49.30	85.32	189.61	427.56	37.73	16.04	<b>805.617</b>
5	Garhchapa I	2C1A2f3f	378.102	0.00	161.90	0.00	109.65	98.31	170.15	378.10	30.52	0.00	0.00	<b>570.517</b>
6	Garhchapa II	2C1A2f3h	206.633	0.00	88.48	14.43	59.92	53.72	92.98	206.63	115.40	10.10	4.33	<b>439.363</b>
7	Garhchapa III	2C1A2f3g	166.302	0.00	71.21	40.02	48.23	43.24	74.84	166.30	320.14	28.01	12.01	<b>637.686</b>
8	Gauriya I	2C1A2f3j	358.720	0.00	153.60	0.00	104.03	93.27	161.42	358.72	89.06	0.00	0.00	<b>601.383</b>
9	Gauriya II	2C1A2f3k	254.530	0.00	108.99	21.51	73.81	66.18	114.54	254.53	172.05	15.05	6.45	<b>578.576</b>
10	Garhchapa IV	2C1A2f3l	385.104	0.00	164.90	0.00	111.68	100.13	173.30	385.10	30.87	0.00	0.00	<b>580.865</b>
11	Gauriya III	2C1A2g2e	490.132	14.74	209.87	0.00	146.41	131.27	227.19	504.87	3.68	0.00	0.00	<b>718.421</b>
Total			<b>3330.317</b>	<b>170.64</b>	<b>1426.00</b>	<b>217.64</b>	<b>1015.28</b>	<b>910.25</b>	<b>1575.43</b>	<b>3500.96</b>	<b>1739.05</b>	<b>152.64</b>	<b>65.29</b>	<b>7101.583</b>

## LAND CAPABILITY CLASSIFICATION (LCC)

Land capability classification(LCC) is crucial for appropriate land use planning consisting of practices like choice of vegetation /crops, tillage practices, use of scientific method of cultivation and desirous conservation practices, Detailed LCC Survey carried out in the watershed brought out the prevailing LCC classes as II, III, IV, V, VI, VII and VIII. The watershed area is also classified under different Land Capability Table 2.3.

**TABLE 2.3: AREA UNDER DIFFERENT LAND CAPABILITY CLASS (LCC)**

Land Capability Class	Area (ha)	Main Problem
II	2239.750	Sheet Erosion
III	927.892	Sheet and Rill Erosion
IV	1534.434	Gully Erosion
V	309.952	High Gully Erosion
VI	241.449	Sevier Gully Erosion
VII	674.774	Sevier Gully Erosion due to water logging
VIII	1170.338	Sevier Gully Erosion due to water logging
Other	2.994	-
<b>Total</b>	<b>7101.583</b>	

(The above details have been shown in the Map)



## Physiography:

The micro-watershed IWMP-X is located at an elevation of 172 to 325 m above mean sea level (msl) and Relief height difference from 21 m to 68 m. Elevation range and relief are given in Table 2.4.

**TABLE 2.4: ELEVATION RANGE, RELIEF HEIGHT DIFFERENCE OF THE MWS**

S. No.	Name of Watershed	Watershed Code	Elevation of watershed from Mean Sea level		
			Highest in Meters	Lowest in Meters	Relief Height Difference
1	Kota Kandaila	2A7E2b2d	217	184	33
2	Uchadeeh	2A7E2c1d	193	172	21
3	Chureh Kaserua I	2A7E2c1f	261	230	31
4	Chureh Kaserua II	2C1A2f2g	238	190	48
5	Garhchapa I	2C1A2f3f	276	208	68
6	Garhchapa II	2C1A2f3h	203	180	23
7	Garhchapa III	2C1A2f3g	214	178	36
8	Gauriya I	2C1A2f3j	276	208	68
9	Gauriya II	2C1A2f3k	325	301	24
10	Garhchapa IV	2C1A2f3l	298	245	53
11	Gauriya III	2C1A2g2e	314	275	39

## Slope:

Slope map of the micro-watershed was prepared using SRTM digital elevation terrain model. Slope was divided into different class viz. 0-0.5%, 0.5-1.0%, 1-3%, 3-5% and more than 5% and data is presented in Table 2.5.

**TABLE 2.5: SLOPE RANGE IN THE PROJECT AREA**

S. No.	Name of MWS	Name of code	Slope range wise area (ha)							
			0-05%	0.5-1.0%	1-3%	3-5%	>5%		Others Specify	
							5-10%	10-15%	15-35%	>35%
1	2	3	4	5	6	7	8	9	10	
1	Kota Kandaila	2A7E2b2d	18.13	23.89	313.48	123.94	21.99			
2	Uchadeeh	2A7E2c1d	21.96	37.19	557.31	167.37	19.69			
3	Chureh Kaserua I	2A7E2c1f	17.41	38.64	549.59	223.37	35.20			
4	Chureh Kaserua II	2C1A2f2g	11.10	10.61	176.25	184.77	268.46	99.65	54.78	
5	Garhchapa I	2C1A2f3f	1.62	9.76	161.55	98.14	140.41	83.12	75.91	
6	Garhchapa II	2C1A2f3h	2.11	11.16	136.62	71.81	112.52	53.25	51.89	
7	Garhchapa III	2C1A2f3g	2.62	7.51	156.53	137.67	204.78	78.11	50.48	
8	Gauriya I	2C1A2f3j	9.42	13.10	159.67	95.45	153.33	66.89	103.52	
9	Gauriya II	2C1A2f3k	8.14	7.71	177.01	110.83	130.48	55.35	87.24	1.82
10	Garhchapa IV	2C1A2f3l	4.73	8.06	168.71	98.87	164.60	59.85	76.05	
11	Gauriya III	2C1A2g2e	9.93	24.82	446.48	126.48	51.35	21.02	37.33	1.02
<b>Total</b>			<b>107.16</b>	<b>192.45</b>	<b>3003.21</b>	<b>1438.70</b>	<b>1302.80</b>	<b>517.24</b>	<b>537.19</b>	<b>2.83</b>

**Climate:** The climate of the region is characterized as arid to semi-arid with average annual rainfall less than 750.61 mm annually with an average of 35 rainy days. Out of which 85% is received during the monsoon season from July to September. The area received very less rainfall in the winter season. Temperature ranges from as high as 49°C in the May-June to as low as 4°C during December-January. The trend of the rainfall is very erratic and maximum (62%) water goes as runoff.

**TABLE 2.6: AVERAGE MONTHLY RAINFALL OF THE LAST TEN YEARS:-**

S. No.	Month	Average Rain	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Jun	114.16	250.90	34.50	102.90	209.02	242.75	22.00	48.25	203.25	15.50	12.50
2	July	217.57	553.90	28.80	220.75	169.50	273.09	297.65	154.50	204.25	104.75	168.50
3	August	204.06	290.00	421.25	225.05	247.95	128.80	214.25	142.00	109.25	153.00	109.00
4	September	185.54	24.50	257.10	588.70	340.00	144.10	66.00	47.50	71.50	196.00	120.00
5	October	29.29	76.50	49.00	4.00	37.10	0.00	15.00	6.50	11.00	66.00	27.75
	<b>Total</b>	<b>750.61</b>	<b>1195.8</b>	<b>790.65</b>	<b>1141.4</b>	<b>1003.57</b>	<b>788.74</b>	<b>614.9</b>	<b>398.75</b>	<b>599.25</b>	<b>535.25</b>	<b>437.75</b>

## Agro-Climate Conditions

The Agro-Climate condition of the project area of Chitrakoot district is briefly described in Table 2.7 below.

**TABLE- 2.7: DETAILS OF AGRO-CLIMATE CONDITIONS**

S. No.	Name of the District	Name of the Project	Name of the Agro-climatic zone covers project area	Area in ha	No. of the villages
1.	CHITRAKOOT	IWMP-X	Bundelkhand Zone	4756.317	06
Major soil types		Topography	Average rainfall in mm (preceding 5 years average)	Major crops	
a)Type	b) Area in ha			a) Name	b) Area in ha
Rakar Kabar Mar Padwa	2400	Undulation	750.61	Barley Wheat Gram Maize Jowar Arhar	1850

The Wind velocity of the Project area ranges from 4-17 Km/hr. The open pan evaporation varied in the range of 0.5 to 20 mm/day during the year with average of about 5 mm/day. Average relative humidity varied in the range of 25% to 98%. The details of flood and drought in the project area are showed in Table 2.8.

**TABLE 2.8: DETAILS OF FLOOD AND DROUGHT IN THE PROJECT AREA  
(IWMP-X, CHITRAKOOT)**

Name of Micro Watershed	Micro Watershed Code	Particulars	Villages	Periodicity		Not affected
				Annual	Any other (please specify)	
Kota Kandaila Uchadeeh Chureh Kaserua I Chureh Kaserua II Garhchapa I Garhchapa II Garhchapa III Gauriya I Gauriya II Garhchapa IV Gauriya III	2A7E2b2d	Flood				
	2A7E2c1d					
	2A7E2c1f					
	2C1A2f2g	Flood	No. of villages	-	-	
	2C1A2f3f		Name(s) of villages	-	-	
	2C1A2f3h					
	2C1A2f3g	Drought	No. of villages:			Affected by drought
	2C1A2f3j					
	2C1A2f3k					
	2C1A2f3l					
	2C1A2g2e		<b>Name(s) of villages:-</b>		Alternate after every 2-3 years	

## Watershed Characteristics

### Shape and Size

The shape of watershed (IWMP-X, CHITRAKOOT) is more or less rectangle in shape. The direction of the slope in the project area is north-west to south-east. The shape and size of the micro-watershed is given in Table 2.9.

**TABLE- 2.9: SHAPE AND SIZE OF WATERSHED**

S. No.	Name of MWS	Code of MWS	Area (ha)	Shape	Approximate size in meter	
					Length	Width
1	Kota Kandaila	2A7E2b2d	242.000	Linear	4114	1379
2	Uchadeeh	2A7E2c1d	520.060	Rectangular	2312	4113
3	Chureh Kaserua I	2A7E2c1f	525.000	Rectangular	4806	1889
4	Chureh Kaserua II	2C1A2f2g	270.800	Circular	3991	2505
5	Garhchapa I	2C1A2f3f	540.000	Rectangular	3765	2006
6	Garhchapa II	2C1A2f3h	295.110	Linear	3951	1322
7	Garhchapa III	2C1A2f3g	237.510	Oval	3971	1668
8	Gauriya I	2C1A2f3j	512.320	Rectangular	2989	2329
9	Gauriya II	2C1A2f3k	363.517	Triangular	3617	2175
10	Garhchapa IV	2C1A2f3l	550.000	Oval	3989	1580
11	Gauriya III	2C1A2g2e	700.000	Circular	4482	2248

### Geomorphology:

The watershed is located in the North-East corner of the Chitrakoot district. The entire watershed is topographically divided into three major landforms such as Plain land, Moderate land, and Ravenous land. Accordingly, the soils of watershed can be grouped into three major categories viz. Mar, Kabar and Padua. The annual soil erosion in the project area is 24 to 28 tons/year as detailed below.

**Table- 2.10: DETAIL OF SOIL EROSION (IWMP-X), CHITRAKOOT**

S. No.	Name of the Project	Soil Erosion (Ha)				Run-Off (mm/yr)	Average Soil Loss in tons/ha/yr	Wind Erosion
		Sheet	Rill	Gully	Total			
1	IWMP-X	713.440	1189.877	2853.000	4756.317	377	19.30	N.A.



# **CHAPTER-3**

## **BASELINE SURVEY**

## **SOCIO-ECONOMIC CONDITION:-**

In the proposed watershed management plan of proper blending of bio- engineering measures will be applied. Based on the results of studies conducted in this region, it is estimated that more than 50% of the watershed area will be treated and consequently the soil loss and runoff from the area is expected to be reduced by 40% and 65% respectively. The proposed land use plan will improve the land utilization index and crop diversification index significantly as compared to the existing one. It will help in maintaining ecosystem integrity on sustained basis along with improving the livelihood security of the farming community.

Economic analysis of the project is carried out by taking direct benefits and costs, considering 30 year project life at 10% discount rate. For the purpose of economic analysis, whole watershed development plan is divided into four sectors namely agriculture (rainfed and irrigated), pure horticulture, agro-horticulture and silvi pastoral (Silvi-Pastoral + sericulture). Net present value (NPV), Benefit Cost Ratio (BCR), Payback Period (PBR) and internal rate of return (IRR) criteria is employed to judge the economic efficiency of each enterprise, sector and project as a whole.

Details of the population of the micro watershed are given in Table 3.1. About 34% population is scheduled caste. Due to hard life and low seasonal income in the area a large number of people migrate to large cities where they work as daily labour / rickshaw puller.

**Table 3.1: Demographic Features in the project area IWMP–X**

<b>S. No.</b>	<b>Name of village</b>	<b>Total Population</b>			<b>Population of SC/ST</b>		
		<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>
<b>1</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
1	Chureh Kaserua	9170	4680	4490	2190	1130	1060
2	Garhchapa	7840	3980	3860	1630	880	750
3	Gauriya	4330	2270	2060	1060	585	475
4	Kota Kandaila	7610	3880	3730	1070	575	495
5	Kobra	8360	4260	4100	1860	980	880
6	Uchadeeh	5970	3060	2910	670	360	310
	<b>Total</b>	<b>43280</b>	<b>22130</b>	<b>21150</b>	<b>8480</b>	<b>4510</b>	<b>3970</b>

**Table 3.2: Details of Employment Generation**

S. No.		Name of Districts		No. of the villages	Wage employment				
					No. of mandays (Lakhs)				
					SC	ST	Others	Women	Total
1	2	3	4	5	6	7	8		
IWMP-X	Chitrakoot	06	1.14	-	1.50	0.14	2.78		
No. of beneficiaries					Self employment				
					No. of beneficiaries				
SC	ST	Others	Women	Total	SC	ST	Others	Women	Total
9	10	11	12	13	14	15	16	17	18
1189	-	2975	284	4448	280	-	75	225	580

**Table 3.3: Details of seasonal migration from Project area: Pre-project status**

Project	No of villages	No. of persons migrating	No. of days per year of migration	Major reason(s) for migrating	Expected reduction in no. of persons migrating
1	2	3	4	5	6
IWMP-X	06	260	120-180	Poverty & better employment	140

**Table 3.4: Details of land holding pattern in the project areas IWMP-XIII District–Chitrakoot**

S. No.	Name of Village	Large Farmer	Small Farmer	Marginal Farmer	Landless Farmer	Total	No. of households	No. of BPL
1	Chureh Kaserua	71	968	795	204	2038	2038	204
2	Garhchapa	69	931	764	196	1960	1960	196
3	Gauriya	38	514	422	108	1083	1083	108
4	Kota Kandaila	67	904	742	190	1903	1903	190
5	Kobra	73	993	815	209	2090	2090	209
6	Uchadeeh	52	709	582	149	1493	1493	149
	<b>Total</b>	<b>370</b>	<b>5019</b>	<b>4120</b>	<b>1057</b>	<b>10565</b>	<b>10565</b>	<b>1057</b>

**Table 3.5: Typical soil profile of the watershed (dominant soil)**

Horizon	Dpth (cm)	Morphology
A	0-150	Yellow & Black in color, clay content 28%, with free CaCO <sub>3</sub> , sticky when moist, hard when dry, high elasticity, fissures and cracks, occasional occurrence of free calcium carbonate granules pH 8.0-8.5
B	150-600	Whitish-Yellow in color, high effervescence with dilute HCl, very fine mixed with free CaCO <sub>3</sub> and granules, very hard when dry, compact & indurate hard pan, restricting development of root and downward water transmission (locally called as Point soil)
C	> 600	Red and white sand

## Soil Texture:

Light brown loam to clay, generally heavy structured, average in water holding capacity and organic matter, moderately alkaline, restricted drainage, surface soil poor in lime content but the middle layer is calcareous, medium in soluble salts. Carbonates and sulphates practically absent.

**Table 3.6: Details of Soil texture in IWMP-X, Chitrakoot**

S. No.	MWS Name	MWS Code	Geo-graphical Area	Area in different Soil Group (ha)				
				Light textured soil (sand, loamy sand)	Medium textured soil (Sandy loam, loam, silt loam)	Heavy textured soil (Clayey)	Geo-graphical Area	Others specify
1	Kota Kandaila	2A7E2b2d	501.43	95.27	371.06	35.10	501.43	Rakar, Kabar, Mar, Padwa
2	Uchadeeh	2A7E2c1d	803.52	152.67	594.60	56.25	803.52	
3	Chureh Kaserua I	2A7E2c1f	864.20	164.20	639.51	60.49	864.20	
4	Chureh Kaserua II	2C1A2f2g	805.62	153.07	596.16	56.39	805.62	
5	Garhchapa I	2C1A2f3f	570.52	108.40	422.18	39.94	570.52	
6	Garhchapa II	2C1A2f3h	439.36	83.48	325.13	30.76	439.36	
7	Garhchapa III	2C1A2f3g	637.69	121.16	471.89	44.64	637.69	
8	Gauriya I	2C1A2f3j	601.38	114.26	445.02	42.10	601.38	
9	Gauriya II	2C1A2f3k	578.58	109.93	428.15	40.50	578.58	
10	Garhchapa IV	2C1A2f3l	580.86	110.36	429.84	40.66	580.86	
11	Gauriya III	2C1A2g2e	718.42	136.50	531.63	50.29	718.42	
<b>Total</b>			<b>7101.583</b>	<b>1349.30</b>	<b>5255.17</b>	<b>497.11</b>	<b>7101.583</b>	

## Major Crops and their Production

Due to mono cropping, Anna Pratha and non manageable condition of mar and kabar soil are the specific characteristics of the district. Mono cropping is the most common farming system. Mixed farming in the combination of agriculture and live stock is also quite common in all the areas. Micro-watershed wise grown crops, their productivity and production are given below:

**Table 3.7: Major Crops, their Productivity and Production in IWMP-X, Chitrakoot**

S. No.	Crop.	Area (ha)		Productivity (q/ha)		Production (q)			
						Grain/Main product		Fodder/Fuel/other Product	
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Jowar	0.00	815.90	0.00	7.00	0.00	5711.30	0.00	8566.95
2	Bajra	0.00	436.00	0.00	6.10	0.00	2659.60	0.00	3989.40
3	Arhar	0.00	780.90	0.00	4.50	0.00	3514.05	0.00	5271.08
4	Urd/Moong	0.00	175.00	0.00	5.08	0.00	889.00	0.00	889.00
	<b>Total</b>	0.00	2207.80				12773.95		18716.43
<b>B</b>	<b>Rabi</b>								
1	Wheat	0.00	919.50	0.00	5.50	0.00	5057.25	0.00	7585.88
2	Barley	0.00	236.00	0.00	4.10	0.00	967.60	0.00	1451.40
3	Masoor	0.00	135.50	0.00	6.10	0.00	826.55	0.00	1033.19
4	Gram	0.00	203.00	0.00	7.70	0.00	1563.10	0.00	1953.88
5	Mustard	0.00	195.00	0.00	4.10	0.00	799.50	0.00	1199.25
	<b>Total</b>	0.00	1689.00				9214.00		13223.59
<b>C</b>	<b>Zaid</b>								
<b>Cultivable Area</b>		<b>3500.96</b>	<b>Cropping Intensity</b>			<b>111.31</b>			

**Summary:** - It was found that the productivity of Wheat, Gram, Jowar, Arhar and Masoor is low than national and state average yield. Overall cropping intensity of the project area is 111.31%.

## Horticulture Status in the Micro-watershed

The area is extremely rich in flora and fauna, a large portion about 35 % of the project area is covered with forest, having a large number of species in admixture. In the valleys and ravines between various hills, the growth of trees and vegetation is especially luxuriant but nowhere the soil is deep enough to support trees of large girth.

**Table 3.8: Forest, Vegetative Cover/Grass Land**

S. No.	Name of MWS	Code of MWS	Forest (Area ha)			Grass Land (Area ha)		Other vegetative cover (Area ha)	
			Reserve	Gram Samaj (Natural/Planted)	Total	Gram Samaj	Private	Gram Samaj	Private
1	2	3	4	5	6	7	8	9	10
1	Kota Kandaila	2A7E2b2d	207.55	0.00	207.55	0.00	0.00	1.25	1.10
2	Uchadeeh	2A7E2c1d	70.86	0.00	70.86	0.00	0.00	3.60	0.15
3	Chureh Kaserua I	2A7E2c1f	271.36	0.00	271.36	0.00	0.00	2.50	0.25
4	Chureh Kaserua II	2C1A2f2g	427.56	0.00	427.56	0.00	0.00	2.60	0.45
5	Garhchapa I	2C1A2f3f	30.52	0.00	30.52	0.00	0.00	2.10	0.35
6	Garhchapa II	2C1A2f3h	115.40	0.00	115.40	0.00	0.00	1.65	0.30
7	Garhchapa III	2C1A2f3g	320.14	0.00	320.14	0.00	0.00	2.15	0.25
8	Gauriya I	2C1A2f3j	89.06	0.00	89.06	0.00	0.00	0.75	0.10
9	Gauriya II	2C1A2f3k	172.05	0.00	172.05	0.00	0.00	2.65	1.00
10	Garhchapa IV	2C1A2f3l	30.87	0.00	30.87	0.00	0.00	5.20	1.20
11	Gauriya III	2C1A2g2e	3.68	0.00	3.68	0.00	0.00	4.20	0.90
<b>Total</b>			<b>1739.05</b>	<b>0.00</b>	<b>1739.05</b>	<b>0.00</b>	<b>0.00</b>	<b>28.65</b>	<b>6.05</b>



## Livestock Population

Animal husbandry sector within agriculture sector contributes more than 25% total value of put. The district has favourable agro-climatic conditions, land holdings and occupational patterns and socio economic acceptability for the development of dairy. Livestock rearing by rural population has immense potential. The details of livestock population are given below:

**Table 3.9: Livestock Population in IWMP-X, Chitrakoot**

S. No.	Village Name	Cow		Buffalo		Goat	Sheep	Pig	Chicken
		Desi	Crossed	Desi	Murrah				
1	Chureh Kaserua	1760	190	360	125	6140	580	130	
2	Garhchapa	3230	180	470	105	4130	1070	130	2130
3	Gauriya	1360	95	220	75	3260		90	
4	Kota Kandaila	3980	170	435	90	4370		150	980
5	Kobra	3470	125	410	135	5640	960	200	1140
6	Uchadeeh	3100	140	285	110	2590	1130	160	730
	<b>Total</b>	<b>15140</b>	<b>710</b>	<b>1820</b>	<b>515</b>	<b>19990</b>	<b>3160</b>	<b>730</b>	<b>4980</b>

**Table 3.10: Details of Livestock Productivity**

S. No.	Name of Village	Milk Production (Liter Per day)				Goatry	Poultry		Piggeries weight Kg/Pig
		Cows		Buffalos		Weight in Kg/goat	Broiler Weight in Kg/ Brl	Layers No. of eggs/day	
		Desi	Crossed	Desi	Murrah				
1	2	3	4	5	6	7	8	9	10
1	Chureh Kaserua	1.4	2.5	2.6	5.1	28	-	-	-
2	Garhchapa	1.6	2.8	2.6	5.2	28	-	-	-
3	Gauriya	1.5	2.8	2.6	5.1	27	-	-	-
4	Kota Kandaila	1.1	2.6	2.6	5.4	30	-	-	-
5	Kobra	1.2	2.8	2.6	5.1	29	-	-	-
6	Uchadeeh	1.4	2.9	2.6	5.6	28	-	-	-

**Table 3.11: SUMMARY OF LIVELIHOOD**

S. No.	No. of the Village	Existing livelihood activities	Possible livelihood interventions under the project	Current status of migration (No. of people)	Main reasons for migration
1	2	3	4	5	6
IWMP -X	06	1-Agricultue wage 2-Animal Husbandry Both are in poor condition	Increasing employment generation, milk, etc. productions	930	1- Land productivity each poor 2- Employment is not available

**Table 3.12: Details of average ground water table depth in the project areas**

<b>Project</b>	<b>No. of villages</b>	<b>Sources</b>	<b>Pre-Project level (MTS)</b>	<b>Expected post-project level (MTS)</b>	<b>Remarks</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
IWMP-X	06	Others (specify)	-	-	-
		Bore wells	-	-	-
		Open wells	As per below		
		Open wells	19.80. m.	18.70 m.	

**Table 3.13: Ground Water Status**

<b>Project</b>	<b>No. of villages</b>	<b>Availability of drinking water (no. of months in a year)</b>		<b>Quality of drinking water</b>		<b>Comments</b>
		<b>Pre-project</b>	<b>Expected Post-project</b>	<b>Pre-project</b>	<b>Expected Post-project</b>	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
IWMP-X	06	10 Month	Full Year	General	Good	

**Table 3.14: Details of infrastructure in the project areas**

S. No.	Code of Micro Watershed	Gram Panchayat	Parameters		Status			
1	2	3	4		5			
1	2A7E2c1d, 2A7E2c1f, 2C1A2f2g, 2C1A2f3j	Chureh Kaserua	(i)	Name of villages connected to the main road by an all-weather road	Yes			
			(ii)	Village's Name provided with electricity	Yes			
			(iii)	No. of households without access to drinking water	More than 45			
			(iv)	No. of educational institutions :	(P) 1	(S) 1	(HS) -	(VI) -
				Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)				
			(v)	Names of villages with access to Primary Health Centre	-			
			(vi)	Names of villages with access to Veterinary Dispensary	-			
			(vii)	Names of villages with access to Post Office	-			
			(viii)	Names of villages with access to Banks	-			
			(ix)	Names of villages with access to Markets/ mandis	-			
			(x)	Names of villages with access to Agro-industries	-			
			(xi)	Total quantity of surplus milk deficit				
			(xii)	No. of milk collection centres	(U) -	(S) -	(PA) -	(O) -
				(e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))				
			(xiii)	Name of villages with access to Anganwadi Centre	-			
(xiv)	Any other facilities with names of villages (please specify)	-						

S. No.	Code of Micro Watershed	Gram Panchayat	Parameters		Status			
1	2	3	4		5			
2	2C1A2f2g, 2C1A2f3f, 2C1A2f3h, 2C1A2f3g, 2C1A2f3j, 2C1A2f3l	Garhchapa	(i)	Name of villages connected to the main road by an all-weather road	Yes			
			(ii)	Village's Name provided with electricity	Yes			
			(iii)	No. of households without access to drinking water	More than 32			
			(iv)	No. of educational institutions :	(P)	(S)	(HS)	(VI)
				Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	1	1	-	-
			(v)	Names of villages with access to Primary Health Centre	-			
			(vi)	Names of villages with access to Veterinary Dispensary	-			
			(vii)	Names of villages with access to Post Office	-			
			(viii)	Names of villages with access to Banks	-			
			(ix)	Names of villages with access to Markets/ mandis	-			
			(x)	Names of villages with access to Agro-industries	-			
			(xi)	Total quantity of surplus milk deficit				
			(xii)	No. of milk collection centres	(U)	(S)	(PA)	(O)
				(e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	-	-	-	-
			(xiii)	Name of villages with access to Anganwadi Centre	-			
			(xiv)	Any other facilities with names of villages (please specify)	-			

S. No.	Code of Micro Watershed	Gram Panchayat	Parameters		Status			
1	2	3	4		5			
3	2C1A2f3j, 2C1A2f3k, 2C1A2g2e	Gauriya	(i)	Name of villages connected to the main road by an all-weather road	Yes			
			(ii)	Village's Name provided with electricity	Yes			
			(iii)	No. of households without access to drinking water	More than 52			
			(iv)	No. of educational institutions :	(P)	(S)	(HS)	(VI)
				Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	1	1	-	-
			(v)	Names of villages with access to Primary Health Centre	-			
			(vi)	Names of villages with access to Veterinary Dispensary	-			
			(vii)	Names of villages with access to Post Office	-			
			(viii)	Names of villages with access to Banks	1			
			(ix)	Names of villages with access to Markets/ mandis	-			
			(x)	Names of villages with access to Agro-industries	-			
			(xi)	Total quantity of surplus milk deficit				
			(xii)	No. of milk collection centres	(U)	(S)	(PA)	(O)
				(e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	-	-	-	-
			(xiii)	Name of villages with access to Anganwadi Centre	-			
			(xiv)	Any other facilities with names of villages (please specify)	-			

S. No.	Code of Micro Watershed	Gram Panchayat	Parameters		Status			
1	2	3	4		5			
4	2A7E2b2d	Kota Kandaila	(i)	Name of villages connected to the main road by an all-weather road	Yes			
			(ii)	Village's Name provided with electricity	Yes			
			(iii)	No. of households without access to drinking water	More than 37			
			(iv)	No. of educational institutions :	(P)	(S)	(HS)	(VI)
				Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	1	1	-	-
			(v)	Names of villages with access to Primary Health Centre	-			
			(vi)	Names of villages with access to Veterinary Dispensary	-			
			(vii)	Names of villages with access to Post Office	-			
			(viii)	Names of villages with access to Banks	-			
			(ix)	Names of villages with access to Markets/ mandis	-			
			(x)	Names of villages with access to Agro-industries	-			
			(xi)	Total quantity of surplus milk deficit				
			(xii)	No. of milk collection centres	(U)	(S)	(PA)	(O)
				(e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	-	-	-	-
			(xiii)	Name of villages with access to Anganwadi Centre	-			
			(xiv)	Any other facilities with names of villages (please specify)	-			

S. No.	Code of Micro Watershed	Gram Panchayat	Parameters		Status			
1	2	3	4		5			
5	2C1A2f3f, 2C1A2f3h, 2C1A2f3g	Kobra	(i)	Name of villages connected to the main road by an all-weather road	Yes			
			(ii)	Village's Name provided with electricity	Yes			
			(iii)	No. of households without access to drinking water	More than 15			
			(iv)	No. of educational institutions :	(P)	(S)	(HS)	(VI)
				Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	1	1	-	-
			(v)	Names of villages with access to Primary Health Centre	-			
			(vi)	Names of villages with access to Veterinary Dispensary	-			
			(vii)	Names of villages with access to Post Office	-			
			(viii)	Names of villages with access to Banks	-			
			(ix)	Names of villages with access to Markets/ mandis	-			
			(x)	Names of villages with access to Agro-industries	-			
			(xi)	Total quantity of surplus milk deficit				
			(xii)	No. of milk collection centres	(U)	(S)	(PA)	(O)
				(e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	-	-	-	-
			(xiii)	Name of villages with access to Anganwadi Centre	-			
			(xiv)	Any other facilities with names of villages (please specify)	-			



S. No.	Code of Micro Watershed	Gram Panchayat	Parameters		Status			
1	2	3	4		5			
6	2A7E2c1d, 2C1A2f3j	Uchadeeh	(i)	Name of villages connected to the main road by an all-weather road	Yes			
			(ii)	Village's Name provided with electricity	Yes			
			(iii)	No. of households without access to drinking water	More than 12			
			(iv)	No. of educational institutions :	(P)	(S)	(HS)	(VI)
				Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	1	1	-	-
			(v)	Names of villages with access to Primary Health Centre	-			
			(vi)	Names of villages with access to Veterinary Dispensary	-			
			(vii)	Names of villages with access to Post Office	-			
			(viii)	Names of villages with access to Banks	-			
			(ix)	Names of villages with access to Markets/ mandis	-			
			(x)	Names of villages with access to Agro-industries	-			
			(xi)	Total quantity of surplus milk deficit				
			(xii)	No. of milk collection centres	(U)	(S)	(PA)	(O)
				(e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	-	-	-	-
			(xiii)	Name of villages with access to Anganwadi Centre	-			
			(xiv)	Any other facilities with names of villages (please specify)	-			

## The details of PRA exercise in the Project Area



**CHAPTER - 4**  
**INSTITUTION BUILDING &**  
**PROJECT MANAGEMENT**

### **Project Implementing Agency:**

The Project Implementing Agency (PIA) for IWMP-X, Chitrakoot is BSA, Bhoomi Sanrakshan Adhikari Soil Conservation Unit Chitrakoot, Agricultural Department, District Chitrakoot, Uttar Pradesh. The project implementing agency was selected by State Level Nodal Agency (SLNA) for Integrated Watershed Management Program (IWMP) in Chitrakoot district. The PIA was given responsibility to develop the micro-watershed by WCDC and State Level Nodal Agency (SLNA) considering its vast experiences in handling land and water management issues in the region. The PIA has well experienced trained and sufficient staff to handle the watershed management programme efficiently.

The PIA will put dedicated Watershed Development team and will provide necessary technical guidance to the Gram Panchayat for preparation of Development Plans for the Watershed Projects through Participatory Rural Appraisal exercise. PIA will also undertake **a)** Community Organization, **b)** Trainings for the village communities, **c)** supervise Watershed development Activities, **d)** inspect & authenticate project accounts, **e)** monitor & review the overall project implementation, **f)** set up institutional arrangements for post project operations and **g)** maintenance and further development of the assets created during the project period.

**Table 4.1: Details of Project Implementing Agency (PIA)**

<b>S. No.</b>	<b>Particulars of PIA</b>	
<b>1</b>	<b>2</b>	<b>3</b>
(i)	Date of selection of PIA	7-12-2011
(ii)	Type of organization	Govt.
(iii)	Name of organization	Soil Conservation
(iv)	Designation & Address	Bhoomi Sanrakshan Adhikari, Chitrakoot
(v)	Telephone	
(vi)	Fax	
(vii)	E-mail	

**Table 4.2: Details of Staff at PIA**

<b>S. NO.</b>	<b>Designation</b>	<b>Name</b>	<b>M/F</b>	<b>Qualification</b>	<b>Field of Experience &amp; Period</b>	<b>Remarks</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
1	B.S.A.	Sri A. P. Yadav	M	Inter, Diploma in Ag.	34	
3	J.E.	Sri Lalji Singh Yadav	M	Ag. Engg.	28	
5	S.T.A. G.P. 'B'	Sri Subhash Chandra Verma	M	Inter, Diploma in Ag.	31	
6	S.T.A. G.P. 'B'	Sri B. N. Samadhiya	M	Diploma in Ag.	34	
7	S.T.A. G.P. 'B'	Sri Suresh Chandra Sharma	M	Inter, Diploma in Ag.	34	
8	S.T.A. G.P. 'B'	Sri Baliram Prasad	M	B.Sc. In Agriculture	33	
9	S.T.A. G.P. 'B'	Sri B. K. Tyagi	M	High School, Dip. in Ag.	34	
10	T.A. G.P. 'C'	Sri Nagendra Pratap Singh	M	B.Sc. In Agriculture	30	
11	T.A. G.P. 'C'	Sri Surendra Mishra	M	B.Sc. In Agriculture	30	
12	T.A. G.P. 'C'	Sri Sohan Lal	M	B.Sc. In Agriculture	32	
13	T.A. G.P. 'C'	Sri Ramrathi Patel	M	P. U. C. Diploma	33	
14	T.A. G.P. 'C'	Sri Gorelal Pal	M	High School, Dip. in Ag.	33	
15	T.A. G.P. 'C'	Sri Anirudha Tripathi	M	B.Sc. In Agriculture	32	
16	T.A. G.P. 'C'	Sri Ramashanker Sharma	M	B.Sc. In Agriculture	30	
17	T.A. G.P. 'C'	Sri Avadhesh Kumar	M	B.Sc. In Agriculture	30	
18	T.A. G.P. 'C'	Sri Hari Babu Svarnkar	M	Diploma in Ag.	14	
19	T.A. G.P. 'C'	Sri Gaya Prasad	M	Diploma in Ag.	14	
20	T.A. G.P. 'C'	Sri Sumer Prasad	M	B.Sc. In Agriculture	16	
21	T.A. G.P. 'C'	Sri Narendra Kumar Sachan	M	M.Sc. In Agriculture	20	
22	Sr. Clerk	Sri Ram Lakhan	M	B. A.	21	
23	Sr. Clerk	Sri Ashish Verma	M	B. A.	21	
24	Ju. Clerk	Sri Bhupendra Kumar	M	B.Sc.	1	

**The Watershed Development Team (WDT):** It is an integral part of the PIA. WDT will assist gram Sabha in **a)** constitution of Watershed Committee and its functioning, **b)** organize and strengthening User groups, Self Help Groups, **c)** conducting participatory baseline survey, **d)** training and Capacity Building, **e)** preparing detailed resource development plan including Soil & Water Conservation, **f)** undertake engineering surveys, **g)** prepare engineering drawings and cost estimate for structure to be built.

**Table 4.3: Details of Watershed Development Team (WDT) in the project area**

Project- IWMP-X			PIA- BSA, Chitrakoot			District – Chitrakoot
S. No.	Name of WDT member	M/F	Age	Qualification / Experience	Description of professional training	Date of appointment of WDT member
1	2	3	4	5	6	7
1	Sri Subhash Chandra Verma	M	57	Inter, Diploma in Ag.	Water Management	Oct. 2011
2	Sri Nagendra Pratap Singh	M	55	B.Sc. In Agriculture	Animal Husbandry	Oct. 2011
3	Sri Baliram Prasad	M	55	B.Sc. In Agriculture	Water Management	Oct. 2011
4	Sri Surendra Mishra	M	54	B.Sc. In Agriculture	Soil Expert	Oct. 2011

## **Watershed Committees:**

Watershed committees are being formed in all villages. Each committee would consist of at least of 10 members. Their representation will be as under:

- Minimum of 50% members from SHGs and UGs, SCs, women and landless
- One member from Watershed Development Team, especially women member (subject matter specialist in Social Science).

Watershed Committees would nominate one of their members as Watershed Secretary to perform the following duties:

1. Convening meetings of Watershed Committee, Gram Sabha.
2. Maintaining all records and proceedings of the meetings.
3. Follow up action on all decisions taken in the meetings.
4. Ensuring people's participation.

Watershed Secretary will be imparted training in maintaining the accounts as well other activities related to Project.



**Table 4.4: Details of Watershed Committee (WC)**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
S. No.	Name of Gram Shabha/GP	Date of Constitution/Registration as a Society (dd/mm/yyyy)	Name	Designation	M /F	SC	ST	SF	MF	LF	Land-less	UG	SHG	GP	Any other	Educational qualification	Function (s) assigned
1	2A7E2c1d Chureh Kaserua	19-10-2011	Pramod Kumar	President	M	√											
			Munna lal	Secretary	M	√											
			Rajesh	Member	M								√				
			Ram badan	Member	M						√						
			Devidayal	Member	M							√					
			Santlal	Member	M							√					
			Pirbhabati	Member	F									√			
			Kusumkali	Member	F									√			
			Siyam lal	Member	M			√									
2	Uchadeeh 2A7E2c1d	19-10-2011	Maikulal	Member	M										√		
			Narayan	President	M										√		
			Pankaj Singh	Secretary	M										√		
			Laxman	Member	M								√				
			Jiyalal	Member	M						√						
			Amaranth	Member	M							√					
			Sivdarsan	Member	M							√					
			Sangeeta	Member	F									√			
			Ganesh Pratap	Member	M									√			
3	Chureh Kaserua 2A7E2c1f	19-10-2011	Kavita	Member	F	√											
			Avadesh	Member	M										√		
			Pramod Kumar	President	M	√											
			Munna lal	Secretary	M	√											
			Rajesh	Member	M							√					
			Ram badan	Member	M						√						
			Devidayal	Member	M							√					
			Santlal	Member	M							√					
			Pirbhabati	Member	F									√			
			Kusumkali	Member	F									√			
			Siyam lal	Member	M			√									
			Maikulal	Member	M										√		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
S. No.	Name of Gram Shabha/GP	Date of Constitution/Registration as a Society (dd/mm/yyyy)	Name	Designation	M /F	SC	ST	SF	MF	LF	Land-less	UG	SHG	GP	Any other	Educational qualification	Function (s) assigned
4	Garhchapa 2C1A2f3f	19-10-2011	Kallu	President	M	√		√					√				
			Satya Narayan	Secretary	M				√			√					
			Sharvan	Member	M					√		√					
			Laxmaniya	Member	F	√					√		√				
			Surjabli	Member	M				√			√					
			Lotan	Member	M				√			√		√			
			Guruwa	Member	M	√		√					√				
			Pappu	Member	M						√		√				
			Munuwa	Member	M	√		√				√	√				
			B.N.Samathiya	Member	F										√		
5	Garhchapa 2C1A2f3g	19-10-2011	Kallu	President	M	√		√				√	√				
			Satya Narayan	Secretary	M				√			√					
			Sharvan	Member	M					√		√					
			Laxmaniya	Member	F	√					√		√				
			Surjabli	Member	M				√			√					
			Lotan	Member	M				√			√		√			
			Guruwa	Member	M	√		√					√				
			Pappu	Member	M						√		√				
			Munuwa	Member	M	√		√				√	√				
			B.N.Samathiya	Member	M							√					
6	Garhchapa 2C1A2f3h	19-10-2011	Kallu	President	M	√		√					√				
			Satya Narayan	Secretary	M				√			√					
			Sharvan	Member	M					√		√					
			Laxmaniya	Member	F	√					√		√				
			Surjabli	Member	M				√			√					
			Lotan	Member	M				√			√		√			
			Guruwa	Member	M	√		√					√				
			Pappu	Member	M						√		√				
			Munuwa	Member	M	√		√				√	√				
			B.N.Samathiya	Member	M										√		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
S. No.	Name of Gram Shabha/GP	Date of Constitution/Registration as a Society (dd/mm/yyyy)	Name	Designation	M /F	SC	ST	SF	MF	LF	Land-less	UG	SHG	GP	Any other	Educational qualification	Function (s) assigned
7	Garhchapa 2C1A2f3I	19-10-2011	Kallu	President	M	√						√	√				
			Satya Narayan	Secretary	M				√			√					
			Sharvan	Member	M					√		√					
			Laxmaniya	Member	F	√					√		√				
			Surjabli	Member	M				√			√		√			
			Lotan	Member	M				√			√	√				
			Guruwa	Member	M	√			√			√	√				
			Pappu	Member	M						√		√				
			Munuwa	Member	M	√		√				√	√				
			B.N.Samathiya	Member	M												
8	2C1A2f2g Garhchapa	19-10-2011	Kallu	President	M	√			√				√				
			Satya Narayan	Secretary	M				√			√					
			Sharvan	Member	M					√		√					
			Laxmaniya	Member	F	√					√		√				
			Surjabli	Member	M				√			√					
			Lotan	Member	M				√			√					
			Guruwa	Member	M	√		√					√				
			Pappu	Member	F						√		√				
			Munuwa	Member	M	√		√					√				
			Baikuntha	Member	M										√		
9	Chureh Kaserua	19-10-2011	Pramod Kumar	President	M	√											
			Munna lal	Secretary	M	√											
			Rajesh	Member	M							√					
			Ram badan	Member	M						√						
			Devidayal	Member	M							√					
			Santlal	Member	M							√					
			Pirbhabati	Member	F									√			
			Kusumkali	Member	F									√			
			Shanker lal	Member	M	√											
			Maikulal	Member	M										√		
			Avadesh	Member	M										√		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
S. No.	Name of Gram Shabha/GP	Date of Constitution/Registration as a Society (dd/mm/yyyy)	Name	Designation	M/F	SC	ST	SF	MF	LF	Land-less	UG	SHG	GP	Any other	Educational qualification	Function (s) assigned
8	2A7E2b2d	20-10-2011	Virendra	President	M					√							
			Direndra	Secretary	M					√							
			Purashottam	Member	M							√					
			Sivpestaw	Member	M							√					
			Thanpatiya	Member	F	√							√				
			Hariparsad	Member	M								√				
			Urmiladevi	Member	M									√			
			Rajbhadur	Member	M	√											
			Binda	Member	M									√			
			Sumer Prasad	Member	M										√		

The Watershed Committee have been formed by the PIA as per Gram Panchayat wise.

## **FORMATION OF SELF HELP GROUPS:**

The formation of SHGs in all watershed villages is underway. It is proposed to form at least 5 SHGs in each village. Each SHG will consist of 5/7 members. The members would be mainly from landless, SCs and women, small and marginal farmers. Few groups exclusively of unemployed youth have also been identified. These groups will be homogeneous having common goal for increasing their income by establishing micro enterprise. Under the Project, each SHG would be given a revolving fund of Rs.20000/25000 each after 6 months from the date of formation (subject to qualifying the 1st grading and meeting the laid down norms). After having discussions with the village community The SHGs may opt any of the Income Generating Activities from the list given below.

1. Bakery Products 2. Soap & Detergent making 3. Cutting and Tailoring 4. Embroidery 5. Fisheries 6. Mushroom cultivation 7. Household wiring, Motor winding 8. Plumbing 9. Carpentry 10. Bee keeping 11. Pickles, sauces, jam, jelly etc. 12. Two wheelers repairing 13. Animal husbandry 14. Backyard poultry 15. Vermi Compost

However, decision for adopting Economic Activities would rest with respective SHGs. Accordingly; these SHGs would be imparted trainings in the IGAs they opt for. Preliminary survey reveals reasonable potentials for the above mentioned Economic Activities and these could prove to be beneficial to poor people residing in selected Watershed villages.

**Table 4.5: Details of Self Help Groups (SHGs) in the project area**

1	2	3	4				5				6			7			8
S. No.	Name of MWS	Names of Group	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
1	2C1A2f2g	Maa Durga SHG	6	4		10	(i) Landless	1	4	5	1	4	5	1	4	5	19-10-2011
							(ii) SF	5		5	5		5	4		4	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
2	2C1A2f2g	Kali Devi SHG	5	5		10	(i) Landless	1	5	6	1	5	6	1	5	6	19-10-2011
							(ii) SF	4		4	4		4	4		4	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
3	2C1A2f2g	Bhola Shankar SHG	6	4		10	(i) Landless	1	4	5	1	4	5	1	4	5	19-10-2011
							(ii) SF	5		5	5		5	5		5	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
4	2C1A2f2g	Siva Ji SHG	5	5		10	(i) Landless	1	5	6	1	5	6	1	5	6	19-10-2011
							(ii) SF	4		4	4		4	4		4	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
5	2A7E2b2d	Adarsh SHG		10		10	(i) Landless		10	10		10	10			0	20-10-2011
							(ii) SF			0			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
6	2A7E2b2d	Jai Bajrang Bali SHG	10			10	(i) Landless	3		3	3		3	1		1	20-10-2011
							(ii) SF	4		4	3		3	1		1	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
7	2A7E2b2d	Bikram SHG	9	1		10	(i) Landless	1	1	2	1	1	2			0	20-10-2011
							(ii) SF	8		8	6		6	2		2	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	

1	2	3	4				5				6			7			8
S. No.	Name of MWS	Names of Group	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
8	2A7E2b2d	Shankar Ji SHG	10			10	(i) Landless			0			0			0	20-10-2011
							(ii) SF	6		6	2		2			0	
							(iii) MF	4		4			0			0	
							(iv) LF			0			0			0	
9	2A7E2b2d	Kallika Devi SHG	10			10	(i) Landless			0			0			0	20-10-2011
							(ii) SF	7		7	7		7	2		2	
							(iii) MF	3		3	1		1			0	
							(iv) LF			0			0			0	
10	2A7E2b2d	Baram Baba SHG	9	1		10	(i) Landless			0			0			0	20-10-2011
							(ii) SF	2		2			0			0	
							(iii) MF	8		8			0	1		1	
							(iv) LF			0			0			0	
11	2C1A2f3l	Amvedkar SHG	8	2		10	(i) Landless	3	2	5	8	2	10	8	2	10	19-10-2011
							(ii) SF	5		5			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
12	2C1A2f3l	Maa Parbati SHG		10		10	(i) Landless		10	10		10	10		10	10	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
13	2C1A2f3l	Jai Brahma Baba SHG		10		10	(i) Landless		5	5			0		8	8	19-10-2011
							(ii) SF		5	5			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
14	2C1A2f3l	Sri Jatadhari Baba SHG	9	1		10	(i) Landless	4	1	5	1	1	2	6	1	7	19-10-2011
							(ii) SF	5		5			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	

1	2	3	4				5				6			7			8
S. No.	Name of MWS	Names of Group	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
15	2C1A2f3I	Shiv Shankar SHG	6	4		10	(i) Landless	2	4	6		1	1	4	4	8	19-10-2011
							(ii) SF	4		4			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
16	2C1A2f3I	Pashupati Nath SHG	6	4		10	(i) Landless	4	4	8	2	2	4	6	4	10	19-10-2011
							(ii) SF	4		4			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
17	2C1A2f3I	Kamtanath SHG	8	2		10	(i) Landless	4	2	6	5	1	6	8	2	10	19-10-2011
							(ii) SF	4		4			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
18	2C1A2f3I	Sri Matyangajan SHG	5	5		10	(i) Landless	2	5	7	2	4	6	5	5	10	19-10-2011
							(ii) SF	3		3			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
19	2C1A2f3I	Vishvarkrma SHG	8	2		10	(i) Landless	5	2	7	5	2	7	8	2	10	19-10-2011
							(ii) SF	3		3			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
20	2C1A2f3I	Adarsh Mahila SHG		10		10	(i) Landless		10	10		10	10		10	10	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
21	2C1A2f3I	Jai Laxmi SHG	10			10	(i) Landless	4		4	10		10	10		10	19-10-2011
							(ii) SF	6		6			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	



1	2	3	4				5				6			7			8
S. No.	Name of MWS	Names of Group	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
22	2C1A2f3l	Jai hanuman SHG	6	4		10	(i) Landless	2	4	6	3	4	7	6	4	10	19-10-2011
							(ii) SF	4		4			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
23	2C1A2f3h	Banvasi SHG	10			10	(i) Landless	2		2	10		10	10		10	19-10-2011
							(ii) SF	8		8			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
24	2C1A2f3h	Jai Bhole SHG	10			10	(i) Landless	2		2	10		10	10		10	19-10-2011
							(ii) SF	8		8			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
25	2C1A2f3h	Jai Maa Durge SHG	10			10	(i) Landless	3		3	10		10	10		10	19-10-2011
							(ii) SF	7		7			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
26	2C1A2f3h	Eklavya Ji SHG	6	4		10	(i) Landless		4	4	6	4	10	6	4	10	19-10-2011
							(ii) SF	6		6			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
27	2C1A2f3h	Jai hanuman SHG	8	2		10	(i) Landless		2	2	6	2	8	8	2	10	19-10-2011
							(ii) SF	8		8			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
28	2C1A2f3h	Bhairo Baba SHG	9	1		10	(i) Landless	3	1	4	9	1	10	9	1	10	19-10-2011
							(ii) SF	6		6			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	

1	2	3	4				5				6			7			8
S. No.	Name of MWS	Names of Group	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
29	2C1A2f3h	Pahlavan SHG	5	5		10	(i) Landless	2	5	7	5	5	10	5	5	10	19-10-2011
							(ii) SF	3		3			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
30	2C1A2f3f	Kabidar SHG	10			10	(i) Landless	5		5	10		10	10		10	19-10-2011
							(ii) SF	5		5			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
31	2C1A2f3f	Visvh Nath Baba SHG	7	3		10	(i) Landless	2	3	5			0	10		10	19-10-2011
							(ii) SF	5		5			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
32	2C1A2f3f	Anjani Mata SHG		10		10	(i) Landless		6	6		9	9	9		9	19-10-2011
							(ii) SF		4	4			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
33	2C1A2f3f	Kakrauli SHG	10			10	(i) Landless	2		2	1		1	8		8	19-10-2011
							(ii) SF	8		8			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
34	2C1A2f3f	Pahadtara SHG	10			10	(i) Landless	4		4	10		10	10		10	19-10-2011
							(ii) SF	6		6			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
35	2C1A2f3f	Jaraka Purwa SHG	10			10	(i) Landless	5		5	9		9	9		9	19-10-2011
							(ii) SF	5		5			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	

1	2	3	4				5				6			7			8
S. No.	Name of MWS	Names of Group	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
36	2C1A2f3f	Adarsh Mahila SHG		10		10	(i) Landless		8	8		9	9	9		9	19-10-2011
							(ii) SF		2	2			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
37	2C1A2f3f	Banvasi SHG	10			10	(i) Landless	4		4	9		9	9		9	19-10-2011
							(ii) SF	6		6			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
38	2C1A2f3f	Pashupati Nath SHG	9	1		10	(i) Landless	4	1	5	8	1	9	9	1	10	19-10-2011
							(ii) SF	5		5			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
39	2C1A2f3f	Jai Baram Baba SHG	9	1		10	(i) Landless	4	1	5	9	1	10	9	1	10	19-10-2011
							(ii) SF	5		5			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
40	2C1A2f3f	Chhobuhan Purwa SHG	6	4		10	(i) Landless		4	4	6	4	10	6	4	10	19-10-2011
							(ii) SF	6		6			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
41	2C1A2f3f	Kuber SHG	6	4		10	(i) Landless		4	4	6	4	10	6	4	10	19-10-2011
							(ii) SF	6		6			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
42	2C1A2f3g	Jai Gange SHG	6	4		10	(i) Landless	2	4	6	6	4	10	6	4	10	19-10-2011
							(ii) SF	4		4			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	

1	2	3	4				5				6			7			8
S. No.	Name of MWS	Names of Group	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
43	2C1A2f3g	Jai Ambe SHG	4	6		10	(i) Landless	1	6	7	4	6	10	4	6	10	19-10-2011
							(ii) SF	3		3			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
44	2C1A2f3g	Jai Boole SHG	7	3		10	(i) Landless	2	3	5	7	3	10	7	3	10	19-10-2011
							(ii) SF	5		5			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
45	2C1A2f3g	Jai Shankar SHG	6	4		10	(i) Landless	2	4	6	6	4	10	6	4	10	19-10-2011
							(ii) SF	4		4			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
46	2C1A2f3g	Sati Devi SHG	7	3		10	(i) Landless	2	3	5	2	1	3	7	3	10	19-10-2011
							(ii) SF	5		5			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
47	2C1A2f3g	Jai hanuman SHG	10			10	(i) Landless	3		3	10		10	10		10	19-10-2011
							(ii) SF	7		7			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
48	2A7E2c1f	Jai Bajrang SHG	10			10	(i) Landless	3		3	3		3	2		2	19-10-2011
							(ii) SF	5		5	5		5	2		2	
							(iii) MF	2		2	2		2			0	
							(iv) LF			0			0			0	
49	2A7E2c1f	Jai Durge Maa SHG		10		10	(i) Landless		7	7		7	7	1		1	19-10-2011
							(ii) SF		3	3		3	3			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	

1	2	3	4				5				6			7			8
S. No.	Name of MWS	Names of Group	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
50	2A7E2c1f	Kashiram SHG	10			10	(i) Landless	1		1	1		1			0	19-10-2011
							(ii) SF	3		3	3		3	1		1	
							(iii) MF	6		6	6		6	2		2	
							(iv) LF			0			0			0	
51	2A7E2c1f	Gautam Budha SHG	10			10	(i) Landless			0			0			0	19-10-2011
							(ii) SF	4		4	4		4	1		1	
							(iii) MF	6		6	6		6	2		2	
							(iv) LF			0			0			0	
52	2A7E2c1f	Vikas SHG	4	6		10	(i) Landless		6	6		6	6			0	19-10-2011
							(ii) SF	4		4	4		4	2		2	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
53	2A7E2c1f	Upkar SHG	6	4		10	(i) Landless		4	4		4	4		1	1	19-10-2011
							(ii) SF	2		2	2		2			0	
							(iii) MF	4		4	4		4			0	
							(iv) LF			0			0			0	
54	2A7E2c1f	Jai Bhole SHG	10			10	(i) Landless	4		4	4		4	1		1	19-10-2011
							(ii) SF	6		6	6		6	1		1	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
55	2A7E2c1f	Ambedkar SHG	10			10	(i) Landless	2		2	2		2			0	19-10-2011
							(ii) SF	3		3	3		3	1		1	
							(iii) MF	5		5	5		5	1		1	
							(iv) LF			0			0			0	
56	2A7E2c1f	Utthan SHG	4	6		10	(i) Landless		5	5		5	5			0	19-10-2011
							(ii) SF		1	1		1	1			0	
							(iii) MF	4		4	4		4	2		2	
							(iv) LF			0			0			0	

1	2	3	4				5				6			7			8
S. No.	Name of MWS	Names of Group	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
57	2A7E2c1f	Maha Maya SHG		10		10	(i) Landless		10	10		10	10			0	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
58	2A7E2c1f	Jai Bhim SHG	7	3		10	(i) Landless	2	3	5	2	3	5	2		2	19-10-2011
							(ii) SF	5		5	5		5	2		2	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
59	2A7E2c1f	Jai Maa sharda SHG	10			10	(i) Landless	3		3			0			0	19-10-2011
							(ii) SF	3		3	3		3	1		1	
							(iii) MF	4		4			0			0	
							(iv) LF			0			0			0	
60	2A7E2c1d	Jai Bajrang Bali SHG	12			12	(i) Landless	5		5	4		4	2		2	19-10-2011
							(ii) SF	7		7	6		6	2		2	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
61	2A7E2c1d	Jai Sivsankar SHG		11		11	(i) Landless		11	11		11	11		5	5	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
62	2A7E2c1d	Jai Ganesh SHG	10			10	(i) Landless	6		6	6		6	6		6	19-10-2011
							(ii) SF	4		4	4		4	1		1	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
63	2A7E2c1d	Jai Bhawani SHG	11			11	(i) Landless	7		7	7		7	7		7	19-10-2011
							(ii) SF	4		4	4		4	1		1	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	

1	2	3	4				5				6			7			8
S. No.	Name of MWS	Names of Group	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
64	2A7E2c1d	Jai Parvati SHG	11			11	(i) Landless	8		8	8		8	8		8	19-10-2011
							(ii) SF	3		3	2		2			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
65	2A7E2c1d	Jai Bhawani SHG	11			11	(i) Landless	7		7	7		7	7		7	19-10-2011
							(ii) SF	4		4	3		3	1		1	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
66	2A7E2c1d	Jai Maa Durge SHG	11			11	(i) Landless	6		6	6		6	2		2	19-10-2011
							(ii) SF	5		5	3		3	1		1	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
67	2A7E2c1d	Jai Maa Kali SHG		11		11	(i) Landless		8	8		8	8		6	6	19-10-2011
							(ii) SF		3	3		3	3			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
68	2A7E2c1d	Jai Maa Bavani SHG	12			12	(i) Landless	10		10	10		10	10		10	19-10-2011
							(ii) SF	2		2	2		2			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
69	2A7E2c1d	Jai Maa Sheravali SHG	11			11	(i) Landless	8		8	8		8	8		8	19-10-2011
							(ii) SF	3		3	3		3	2		2	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
70	2A7E2c1d	Jai Bhole SHG	11			11	(i) Landless	6		6	6		6	6		6	19-10-2011
							(ii) SF	5		5	5		5	4		4	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	

1	2	3	4				5				6			7			8
S. No.	Name of MWS	Names of Group	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
71	2A7E2c1d	Jai Bhairav SHG	10			10	(i) Landless	5		5	5		5	5		5	19-10-2011
							(ii) SF	5		5	5		5	3		3	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
72	2C1A2f3k	Param Jyoti SHG	10			10	(i) Landless	10		10	10		10	10		10	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
73	2C1A2f3k	Sri Ramji SHG	3	8		11	(i) Landless	3	8	11			0	3	8	11	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
74	2C1A2f3k	Jai Bajrang Bali SHG	8	2		10	(i) Landless	8	2	10	5		5	7	2	9	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
75	2C1A2f3k	Param Baba SHG	4	6		10	(i) Landless	4	6	10	4	6	10	4	6	10	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
76	2C1A2f3k	Bhairam Baba SHG	6	4		10	(i) Landless	6	4	10			0			0	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	
77	2C1A2f3k	Maa Sharda Devi SHG	9	4		13	(i) Landless	9	4	13			0			0	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	



1	2	3	4				5				6			7			8
S. No.	Name of MWS	Names of Group	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
78	2C1A2f3k	Jai Bajrang Bali SHG	4	7		11	(i) Landless	4	7	11	2	5	7	2	5	7	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF			0			0			0	
							(iv) LF			0			0			0	

**Table 4.6: Details of Formation of Self Help Groups**

S. No	Name of micro watershed	Name of village	Name of group	Date of constitution	Name of Adhyaksh	Name of Sachiv	Total No. of Members				Name of Bank and Address	A/C No. & Date	Up to date Saving Rs.	Group activities
							Wo-men	Sc/St	Other	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2C1A2f2g	Garhchapa	Maa Durga	19-10-2011	Ram Naresh	Ram Prasad	4	6		10	G.T.B. Manikpur			Goat Keeping
2			Kali Devi		Chunki	Kalli	5	5		10				
3			Bhole Shankar		Tulsi	Raj kishor	4	6		10				
4			Shivji		Ramsahay	Vinod	4	6		10				
5	2A7E2c1d	Chureh Kaserua	Jai Bajrang Bali	19-10-2011	Shiv kumar	Chedilal		2		2	G.T.B. Manikpur			Goat Keeping
6			Jai Sivsankar		Vimla Devi	Sunita	2			2				Sewing
7			Jai Ganesh		Juggilal	Uma Sankar		2		2				Sewing
8			Jai Bhabani		Dinesh	Sudarsan		2		2				Goat Keeping
9			Jai Parvati		Shiv Nayak	Garivdas		2		2				Dairy
10			Jai Bhabani		Arimardan	Bura		2		2				Dona Pattal
11		Uchadhi	Jai Maa Durga		Rammilan	Laxman		2		2				Goat Keeping
12			Jai Maa Kali		Urmila	Manju	2			2				Sewing
13			Jai Maa Bhabani		Kaushal	Hublal		2		2				Dairy
14			Jai Maa Sheravali		Mhebalal	Kallu		2		2				Dona Pattal
15			Jai Boole		Jurai	Achelal		2		2				Goat Keeping

S. No	Name of micro watershed	Name of village	Name of group	Date of constitution	Name of Adhyaksh	Name of Sachiv	Total No. of Members				Name of Bank and Address	A/C No. & Date	Up to date Saving Rs.	Group activities
							Wo-men	Sc/St	Other	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16			Jai Berav Suyami		Umesh	Kaluwa		2		2				Dairy
17	2A7E2c1f	Chureh Kaserua	Jai Bajrang	19-10-2011	Guljar	Pappu		10		10	T.G.B. Markundi			Goat Keeping
18			Jai Durge Maa		Uma	Kalabati	10			10				Sewing
19			Kashiram		Bedprikas	Visnu		10		10				Goat Keeping
20			Gautam Budha		Bade	Chand Sekhar		10		10				
21			Vikas		Deshraj	Ram Nath	6	4		10				
22			Upkar		Asok Kumar	Shajan	4	6		10				
23			Utthan		Dev Kumar	Rajesh	6	4		10				
24			Jai Boole		Bhagwan Daas	Lavkus		10		10				Sewing
25			Dr. Amvedkar		Umesh	Chankishor		10		10				
26			Mahamaya		Aruna	Cunkiwa	10			10				Goat Keeping
27			Jai Bhim		Sivbusan	Rajnarayna	3	7		10				Goat Keeping
28			Jai Sharda Maa		Sivnarayn	Siyam Bihari		3	7	10				
29	2C1A2f3g	Garhchapa	Jai Gange	19-10-2011	Maal Prasad	Nuora	4	6		10	T.G.B. Markundi			Goat Keeping
30			Jai Ambe		Siyamlal	Raja	4	5	1	10				
31			Jai Boole		Ramdhar	Mahendra	3	2	5	10				
32			Jai Shankar		Sohan	Ramlal	5	5		10				
33			Shanti		Siyamlal	Mirchilal	3	3	4	10				
34			Jai Hanuman		Dharma raj	Ram Naresh		10		10				
35	2C1A2f3h	Garhchapa	Banbasi	19-10-2011	Harchathi	Haripal		10		10	G.T.B. Manikpur			Basket Making
36			Jai Boole		Ramesh	Kamlesh		10		10				Goat Keeping
37			Jai Maa Durge		Ram Prakash	Shiv Shankar		10		10				
38			Eklavya		Harchathi	Rosan	4	4	2	10				
39			Jai Hanuman		Lata Devi	Rajmadi	2	6	2	10				
40			Baram Baba		Ramkalyan	Rambadan	2	8		10				
41			Pahlavan Baba		Ramnarayn	Sohan	5	5		10				
42	2C1A2f3I	Garhchapa	Amvedkar	19-10-2011	Munwa	Sangam	8	9	1	10	G.T.B. Saraya			Goat Keeping
43			Maa Parvati		Prima Devi	Jayant	2	9	1	10				Sewing

S. No	Name of micro watershed	Name of village	Name of group	Date of constitution	Name of Adhyaksh	Name of Sachiv	Total No. of Members				Name of Bank and Address	A/C No. & Date	Up to date Saving Rs.	Group activities
							Wo-men	Sc/St	Other	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
44			Jai Bimham		Raman Devi	Guora	10	10		10				Potato
45			Jatadhari		Raj Bhadur	Somnath	10		10	10				Goat Keeping
46			Sivsankar		Kanchan	Kalabati	1	2	8	10				
47			Pashupati Nath		Goopal	Ramesh	4	1	9	10				
48			Kamtanath		Saware	Bablu	2	6	4	10				Pottery
49			Matganjan		Avdesh	Manoj	5	8	2	10				Goat Keeping
50			Vishvkarma		Siyalal	Chandra pal	2	7	3	10				Pottery
51			Adarsh Mahila		Rajan Devi	Girija	10	10		10				Sewing
52			Jai Laxmi		Indra Pal	Ramsiya		10		10				Goat Keeping
53			Jai hanuman		Maiku	Santosh	3	8	2	10				
54	2A7E2b2d	Kota Kandaila	Adarsh	20-10-2011	Dhanapatiya	Surajkali	1	1		2	G.T.B. Manikpur			Sewing
55			Jai Bajrang Bali		Rajbahadur	Sitaram		2		2				Dona Pattal
56			Vikram		Kailash	Manbhadur		1	1	2				Mombatti
57			Sankar Ji		Ramasankar	Samar Jeet			2	2				Sewing
58			Kalika		Tahelu	Buonda		2		2				Goat Keeping
59			Baram Baba		Rajbhadur	Chandan Singh			2	2				
60	2C1A2f3k	Deshah	Param Jyoti	19-10-2011	Babuli	Chungai		10		10	G.T.B. Manikpur			Goat Keeping
61			Sri ram Ji		Pirem	Kallu	8		11	11				
62			Jai Bajrang Bali		Uma Shankar	Ramkupol	2	5	5	10				
63			Baram Baba		Munna	Visram	6	6	4	10				
64			Baram Baba		Ram Prakash	Changa	4		6	10				
65			Maa Sharda		Jitendra	Badku & Ramesh	4		9	13				
66			Jai Bajrang Bali II		Ramsaware	Rajkumar	7	7	3	10				

## User groups:

The members of User groups would be those persons who would directly derive benefits from Watershed Activities. Resource use agreements are being worked out. The User groups will be responsible for the operation and maintenance of all the assets created under the Project. Formation of User groups is under process in all the villages covered under the Project. The members of User Groups would be imparted training by PIA for effectively managing the assets created.

**Table 4.7: Details of User Groups**

1		2	3				4				5			6			7
S. No.	Name of Micro watershed with code	Name of Group	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGS
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
1	2C1A2f2g	Kamta Nath UGS	4	6		10	(i) Landless			0			0			0	19-10-2011
							(ii) SF	1	5	6	1	3	4	1	3	4	
							(iii) MF	3	1	4	2	1	3	1	2	3	
							(iv) LF		3	3		3	3			0	
2	2C1A2f2g	Bhairam Baba UGS	7	3		10	(i) Landless			0			0			0	19-10-2011
							(ii) SF	3	1	4	3	1	4	1	3	4	
							(iii) MF	4	2	6	4	2	6	2	1	3	
							(iv) LF			0			0			0	
3	2C1A2f2g	Ambedkar Dalhan UGS	12	1		13	(i) Landless			0			0			0	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF	11	1	12			0	2		2	
							(iv) LF	1		1			0			0	
4	2C1A2f2g	Jai Bhim UGS	13			13	(i) Landless			0			0			0	19-10-2011
							(ii) SF	1		1	1		1	1		1	
							(iii) MF	12		12	8		8			0	
							(iv) LF			0			0			0	

1		2	3				4				5			6			7
S. No.	Name of Micro watershed with code	Name of Group	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGS
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
5	2C1A2f2g	Jai Maa Shakti Tilhan UGS	10			10	(i) Landless			0			0			0	19-10-2011
							(ii) SF	4		4	4		4	3		3	
							(iii) MF	6		6	6		6	4		4	
							(iv) LF			0			0			0	
6	2C1A2f2g	Jai Shiv Dalhan UGS	13			13	(i) Landless			0			0			0	19-10-2011
							(ii) SF	1		1			0			0	
							(iii) MF	10		10			0	1		1	
							(iv) LF	2		2			0			0	
7	2C1A2f2g	Jai hanuman Dalhan UGS	12			12	(i) Landless			0			0			0	19-10-2011
							(ii) SF	2		2			0	1		1	
							(iii) MF	9		9			0			0	
							(iv) LF	1		1			0			0	
8	2A7E2b2d	Dalhan UGS	10			10	(i) Landless			0			0			0	20-10-2011
							(ii) SF	6		6	6		6	1		1	
							(iii) MF	1		1	1		1			0	
							(iv) LF	3		3	3		3			0	
9	2A7E2b2d	Dalhan UGS	9	1		10	(i) Landless			0			0			0	20-10-2011
							(ii) SF	8		8			0			0	
							(iii) MF	1	1	2			0			0	
							(iv) LF			0			0			0	
10	2A7E2b2d	Tilhan UGS	10			10	(i) Landless			0			0			0	20-10-2011
							(ii) SF	6		6	1		1	1		1	
							(iii) MF	2		2	1		1			0	
							(iv) LF	2		2			0			0	
11	2A7E2b2d	Khadyan UGS	10			10	(i) Landless			0			0			0	20-10-2011
							(ii) SF	7		7			0	2		2	
							(iii) MF			0			0			0	
							(iv) LF	3		3	1		1			0	

1		2	3				4				5			6			7
S. No.	Name of Micro watershed with code	Name of Group	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGS
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
12	2A7E2b2d	Tilhan UGS	10			10	(i) Landless			0			0			0	20-10-2011
							(ii) SF	5		5	3		3	1		1	
							(iii) MF	4		4	1		1			0	
							(iv) LF	1		1	1		1			0	
13	2A7E2b2d	Khadyan UGS	10			10	(i) Landless			0			0			0	20-10-2011
							(ii) SF	4		4	4		4	2		2	
							(iii) MF	4		4	2		2			0	
							(iv) LF	2		2	2		2			0	
14	2A7E2b2d	Khadyan UGS	10			10	(i) Landless			0			0			0	20-10-2011
							(ii) SF	8		8	5		5	2		2	
							(iii) MF	1		1						0	
							(iv) LF	1		1	1		1			0	
15	2A7E2b2d	Dalhan UGS	10			10	(i) Landless			0			0			0	20-10-2011
							(ii) SF	5		5	3		3	1		1	
							(iii) MF	4		4	2		2	1		1	
							(iv) LF	1		1	1		1			0	
16	2A7E2b2d	Ambedkar Dalhan UGS	18	2		20	(i) Landless			0			0			0	20-10-2011
							(ii) SF	12	2	14	2		2	3		3	
							(iii) MF	4		4			0	1		1	
							(iv) LF	2		2			0			0	
17	2A7E2b2d	Khadyan UGS	9	2		11	(i) Landless			0			0			0	20-10-2011
							(ii) SF		1	1			0			0	
							(iii) MF	7	1	8	1		1	2		2	
							(iv) LF	1		1			0			0	
18	2A7E2b2d	Tilhan UGS	7	4		11	(i) Landless			0			0			0	20-10-2011
							(ii) SF	6	1	7	2	1	3	2		2	
							(iii) MF	1	2	3	1		1			0	
							(iv) LF	1		1			0			0	

1		2	3				4				5			6			7
S. No.	Name of Micro watershed with code	Name of Group	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGS
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
19	2A7E2b2d	Khadyan UGS	16	1		17	(i) Landless			0			0			0	20-10-2011
							(ii) SF	4		4	2		2			0	
							(iii) MF	12	1	13	8	1	9	3		3	
							(iv) LF			0			0			0	
20	2C1A2f3l	Briajbushan UGS	15			15	(i) Landless			0	1		1	1		1	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF	3		3			0			0	
							(iv) LF	12		12			0			0	
21	2C1A2f3l	Narayan Datta UGS	20			20	(i) Landless			0			0			0	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF	4		4			0			0	
							(iv) LF	16		16			0			0	
22	2C1A2f3l	Bindira UGS	18	2		20	(i) Landless			0			0			0	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF	4	1	5			0			0	
							(iv) LF	14	1	15			0			0	
23	2C1A2f3l	Ram Baban UGS	20			20	(i) Landless			0	2		2	1		1	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF	4		4			0			0	
							(iv) LF	19		19			0			0	
24	2C1A2f3l	Munwa UGS	20			20	(i) Landless			0			0			0	19-10-2011
							(ii) SF	2		2	5		5	5		5	
							(iii) MF	6		6			0			0	
							(iv) LF	12		12			0			0	
25	2C1A2f3h	Ramsen UGS	13	2		15	(i) Landless			0	4	1	5	5	1	6	19-10-2011
							(ii) SF	5	1	6			0			0	
							(iii) MF	7	1	8			0			0	
							(iv) LF	1		1			0			0	

1		2	3				4				5			6			7
S. No.	Name of Micro watershed with code	Name of Group	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGS
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
26	2C1A2f3h	Durga UGS	10			10	(i) Landless			0	3		3	2		2	19-10-2011
							(ii) SF	2		2			0			0	
							(iii) MF	7		7			0			0	
							(iv) LF	1		1			0			0	
27	2C1A2f3h	Natthu UGS	9	1		10	(i) Landless			0	4		4	2	1	3	19-10-2011
							(ii) SF	2	1	3			0			0	
							(iii) MF	7		7			0			0	
							(iv) LF			0			0			0	
28	2C1A2f3h	Ramashrya UGS	9	1		10	(i) Landless			0	3		3	2	1	3	19-10-2011
							(ii) SF	2	1	3			0			0	
							(iii) MF	7		7			0			0	
							(iv) LF			0			0			0	
29	2C1A2f3h	Phulchand UGS	9	1		10	(i) Landless			0			0			0	19-10-2011
							(ii) SF	3	1	4	4		4	3	1	4	
							(iii) MF	6		6			0			0	
							(iv) LF			0			0			0	
30	2C1A2f3h	Holla UGS	10			10	(i) Landless			0			0			0	19-10-2011
							(ii) SF	3		3	4		4	3		3	
							(iii) MF	7		7			0			0	
							(iv) LF			0			0			0	
31	2C1A2f3h	Munwa UGS	11			11	(i) Landless			0			0			0	19-10-2011
							(ii) SF	3		3	3		3	3		3	
							(iii) MF	8		8			0			0	
							(iv) LF			0			0			0	
32	2C1A2f3g	Deen Dayal UGS	14			14	(i) Landless			0			0			0	19-10-2011
							(ii) SF			0	4		4	4		4	
							(iii) MF	14		14			0			0	
							(iv) LF			0			0			0	



1		2	3				4				5			6			7
S. No.	Name of Micro watershed with code	Name of Group	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGS
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
33	2A7E2c1f	Dalhan UGS	14	1		15	(i) Landless			0			0			0	19-10-2011
							(ii) SF	2	1	3	2	1	3	2		2	
							(iii) MF	11		11	11		11			0	
							(iv) LF	1		1	1		1			0	
34	2A7E2c1f	Tilhan UGS	15			15	(i) Landless			0			0			0	19-10-2011
							(ii) SF	3		3	3		3	2		2	
							(iii) MF	12		12	12		12			0	
							(iv) LF			0			0			0	
35	2A7E2c1f	Tilhan UGS	13	1		14	(i) Landless			0			0			0	19-10-2011
							(ii) SF	3		3	3		3	1		1	
							(iii) MF	9	1	10	9	1	10			0	
							(iv) LF	1		1	1		1			0	
36	2A7E2c1f	Dalhan UGS	15			15	(i) Landless			0			0			0	19-10-2011
							(ii) SF	1		1	1		1	1		1	
							(iii) MF	14		14	14		14			0	
							(iv) LF			0			0			0	
37	2A7E2c1f	Dalhan UGS	13	1		14	(i) Landless			0			0			0	19-10-2011
							(ii) SF	2		2	2		2			0	
							(iii) MF	8		8	8		8			0	
							(iv) LF	3	1	4			0			0	
38	2A7E2c1f	Dhanya UGS	14	1		15	(i) Landless			0			0			0	19-10-2011
							(ii) SF		1	1		1	1	1		1	
							(iii) MF	10		10	10		10			0	
							(iv) LF	4		4	1		1			0	
39	2A7E2c1f	Dhanya UGS	12	1		13	(i) Landless			0			0			0	19-10-2011
							(ii) SF		1	1		1	1			0	
							(iii) MF	9		9	6		6			0	
							(iv) LF	3		3	1		1			0	

1		2	3				4				5			6			7
S. No.	Name of Micro watershed with code	Name of Group	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGS
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
40	2A7E2c1f	Dalhan UGS	13			13	(i) Landless			0			0			0	19-10-2011
							(ii) SF	1		1	1		1	1		1	
							(iii) MF	12		12	12		12			0	
							(iv) LF			0			0			0	
41	2A7E2c1f	Dalhan UGS	15			15	(i) Landless			0			0			0	19-10-2011
							(ii) SF	2		2	2		2	2		2	
							(iii) MF	12		12	11		11			0	
							(iv) LF	1		1	1		1			0	
42	2A7E2c1f	Dhanya UGS	15			15	(i) Landless			0			0			0	19-10-2011
							(ii) SF	1		1	1		1	1		1	
							(iii) MF	12		12	12		12			0	
							(iv) LF	2		2	2		2			0	
43	2A7E2c1f	Tilhan UGS	14	1		15	(i) Landless			0			0			0	19-10-2011
							(ii) SF	1	1	2	1	1	2	1		1	
							(iii) MF	12		12	12		12			0	
							(iv) LF	1		1	1		1			0	
44	2A7E2c1f	Dalhan UGS	16			16	(i) Landless			0			0			0	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF	12		12	12		12			0	
							(iv) LF	4		4	4		4			0	
45	2A7E2c1d	Dalhan UGS	19	2		21	(i) Landless			0			0			0	19-10-2011
							(ii) SF	2		2	2		2	2		2	
							(iii) MF	13	2	15	13	2	15	6	1	7	
							(iv) LF	4		4			0			0	
46	2A7E2c1d	Tilhan UGS	19	1		20	(i) Landless			0			0			0	19-10-2011
							(ii) SF	3		3	3		3	1		1	
							(iii) MF	15	1	16	13		13	7		7	
							(iv) LF	1		1			0			0	

1		2	3				4				5			6			7
S. No.	Name of Micro watershed with code	Name of Group	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGS
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
47	2A7E2c1d	Tilhan UGS	16	4		20	(i) Landless			0			0			0	19-10-2011
							(ii) SF	1		1			0			0	
							(iii) MF	13	4	17	4		4	2		2	
							(iv) LF	2		2			0			0	
48	2A7E2c1d	Khadyan UGS	20			20	(i) Landless			0			0			0	19-10-2011
							(ii) SF	6		6	3		3	2		2	
							(iii) MF	14		14	8		8	4		4	
							(iv) LF			0			0			0	
49	2A7E2c1d	Khadyan UGS	19	1		20	(i) Landless			0			0			0	19-10-2011
							(ii) SF	2	1	3	2	1	3	2		2	
							(iii) MF	1		1			0			0	
							(iv) LF	16		16			0			0	
50	2A7E2c1d	Khadyan UGS	11			11	(i) Landless			0			0			0	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF	8		8	2		2	1		1	
							(iv) LF	3		3			0			0	
51	2A7E2c1d	Dalhan UGS	20			20	(i) Landless			0			0			0	19-10-2011
							(ii) SF	1		1			0			0	
							(iii) MF	11		11	4		4	2		2	
							(iv) LF	8		8			0			0	
52	2A7E2c1d	Dalhan UGS	20	1		21	(i) Landless			0			0			0	19-10-2011
							(ii) SF	4		4	2		2	1		1	
							(iii) MF	4		4	2		2	1		1	
							(iv) LF	12	1	13			0			0	
53	2A7E2c1d	Tilhan UGS	17	4		21	(i) Landless			0			0			0	19-10-2011
							(ii) SF	8	1	9	3		3	2	1	3	
							(iii) MF	6	2	8	2		2	2		2	
							(iv) LF	3	1	4			0			0	

1		2	3				4				5			6			7
S. No.	Name of Micro watershed with code	Name of Group	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGS
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
54	2A7E2c1d	Khadyan UGS	16	3		19	(i) Landless			0			0			0	19-10-2011
							(ii) SF	2		2	1		1	1		1	
							(iii) MF	10	2	12	6	2	8	5	1	6	
							(iv) LF	4	1	5			0			0	
55	2C1A2f3k	Dalhan UGS	22	3		25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	2	1	3			0			0	
							(iii) MF	2	1	3			0			0	
							(iv) LF	18	1	19			0			0	
56	2C1A2f3k	Dalhan UGS	24	1		25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	3		3			0			0	
							(iii) MF			0			0			0	
							(iv) LF	21	1	22			0			0	
57	2C1A2f3k	Tilhan UGS	22	3		25	(i) Landless			0			0			0	19-10-2011
							(ii) SF			0			0			0	
							(iii) MF	5	3	8	4		4			0	
							(iv) LF	17		17			0			0	
58	2C1A2f3k	Tilhan UGS	22	3		25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	10	1	11			0			0	
							(iii) MF	3	1	4			0			0	
							(iv) LF	9	1	10			0			0	
59	2C1A2f3k	Dalhan UGS	24	1		25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	3		3			0			0	
							(iii) MF	1		1			0			0	
							(iv) LF	20	1	21			0			0	
60	2C1A2f3k	Wheat UGS	25			25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	11		11			0			0	
							(iii) MF	2		2			0			0	
							(iv) LF	12		12			0			0	

1		2	3				4				5			6			7
S. No.	Name of Micro watershed with code	Name of Group	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGS
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
61	2C1A2f3k	Wheat UGS	24	1		25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	8		8			0			0	
							(iii) MF	1		1			0			0	
							(iv) LF	15	1	16			0			0	
62	2C1A2f3k	Wheat UGS	25			25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	6		6			0			0	
							(iii) MF			0			0			0	
							(iv) LF	19		19			0			0	
63	2C1A2f3k	Wheat UGS	21	4		25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	2		2	2		2			0	
							(iii) MF	3		3	3		3	3		3	
							(iv) LF	16	4	20	1		1			0	
64	2C1A2f3k	Wheat UGS	25			25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	4		4	1		1			0	
							(iii) MF	2		2			0			0	
							(iv) LF	19		19	14		14			0	
65	2C1A2f3k	Wheat UGS	23	2		25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	1		1	1		1			0	
							(iii) MF	5	1	6	1	1	2	1	1	2	
							(iv) LF	17	1	18			0			0	
66	2C1A2f3k	Wheat UGS	23	2		25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	8	1	9	8	1	9			0	
							(iii) MF	2	1	3	2		2	2		2	
							(iv) LF	13		13			0			0	
67	2C1A2f3k	Jowar UGS	24	1		25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	8		8	2		2			0	
							(iii) MF	2	1	3			0			0	
							(iv) LF	14		14	1		1			0	

1		2	3				4				5			6			7
S. No.	Name of Micro watershed with code	Name of Group	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGS
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
68	2C1A2f3k	Jowar UGS	23	2		25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	6		6	1		1			0	
							(iii) MF	5	1	6			0			0	
							(iv) LF	12	1	13	3		3			0	
69	2C1A2f3k	Jowar UGS	25			25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	1		1			0			0	
							(iii) MF	12		12	1		1	1		1	
							(iv) LF	12		12			0			0	
70	2C1A2f3k	Jowar UGS	21	4		25	(i) Landless			0			0			0	19-10-2011
							(ii) SF	2	1	3	1	1	2			0	
							(iii) MF	17	3	20	5	2	7	5	2	7	
							(iv) LF	2		2	2		2			0	
71	2C1A2f3k	Bajra UGS	19	6		25	(i) Landless			0			0			0	20-10-2011
							(ii) SF	3		3	3		3	3		3	
							(iii) MF	12	6	18	8	3	11	8	3	11	
							(iv) LF	4		4	2		2			0	
72	2C1A2f3k	Arhar UGS	21	4		25	(i) Landless			0			0			0	20-10-2011
							(ii) SF	6	2	8			0			0	
							(iii) MF	8	1	9	8	1	9	8	1	9	
							(iv) LF	7	1	8	3		3			0	
73	2C1A2f3k	Arhar UGS	11	4		15	(i) Landless			0			0			0	20-10-2011
							(ii) SF	2	2	4			0			0	
							(iii) MF	2	2	4	2	2	4	2	2	4	
							(iv) LF	7		7	1		1			0	
74	2C1A2f3k	Arhar UGS	8	4		12	(i) Landless			0			0			0	20-10-2011
							(ii) SF	2		2	1		1			0	
							(iii) MF	5	4	9			0			0	
							(iv) LF	1		1			0			0	

**Table 4.8: Details of Formation of User Groups (UGs)**

S. No	Name of micro watershed	Name of village	Name of group	Date of constitution	Name of Adhyaksh	Name of Sachiv	Total No. of Members				Name of Bank and Address	A/C No. & Date	Up to date Saving Rs.	Group activities	
							Wo-men	Sc/ St	Other	Total					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	2C1A2f2g	Garhchapa	Kamtanath	19-10-2011	Ramkalyan	Sivbihari	6		4	10	G.T.B. Manikpur			Pulses	
2			Bhairam Baba		Pardesi	Babulal	3	7		10					
3			Amvedkar		Kanchan Singh	Jankisaran	1		12	13					
4			Jai Bhim		Kedar	Anand		9	4	13					
5			Maa Shakti		Tulsi	Nankuniya		10		10					
6			Jai Shiv		Ramlochan	Rajna			13	13					
7			Jai hanuman		Dinesh	Rameshchan dra			12	12					
8	2A7E2c1d	Chureh Kaserua	Dalhan	19-10-2011	Bindra	Sukhdev	2	19		21	G.T.B. Manikpur			Food grains	
9			Tilhan		Munna	Sivpal	1	16	3	20					
10					Mohan	Jugendra	4	11	5	20					
11					Mayadin	Soukhi		18	2	20					
12		Uchadhi	Khadyan		Rampal	Asok	1	11	8	20					
13					Maynk Singh	Kodu		9	2	11					
14					Jiyalal	Santosh		14	6	20					
15			Dalhan		Ramanuj	Ramasankar	1	8	12	21					
16			Tilhan		Satynarayn	Harigopal	4	11	6	21					
17			Khadyan		Gaya Prasad	Santosh	3	14	2	19					
18	2A7E2c1f	Chureh Kaserua	Dalhan	19-10-2011	Milan	Shripal	1	14		15	T.G.B. Markundi			Pulses	
19					Rakesh	Bedprikas		15		15				Oil Seeds	
20			Tilhan		Bhagwan Daas	Mata Prasad	1	13		14					
21					Dalhan	Dadu Lal	Deshraj		15			15			Pulses
22					Dhanya	Agnuram	Ramautar	1	9	4		14			Paddy
23						Sawailal	Badri	1	10	4		15			
24						Sivnarayn	Rajnarayna	1	8	4		13			
25					Dalhan	Satynarayn	Ramnaresh		13			13			Pulses
26						Matabadal	Kamlesh		14	1		15			
27					Dhanya	Tej Prakash	Birju		15			15			Paddy
28					Tilhan	Rajesh Kumar	Ram pal	1	14				15		

S. No	Name of micro watershed	Name of village	Name of group	Date of constitution	Name of Adhyaksh	Name of Sachiv	Total No. of Members				Name of Bank and Address	A/C No. & Date	Up to date Saving Rs.	Group activities
							Wo-men	Sc/St	Other	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
29			Dalhan		Sivbusan	Siyam Lal		15		15				Pulses
30	2C1A2f3f	Garhchapa	Lalli	19-10-2011	Lalli	Harischand			15	15	G.T.B. Saraya			Food grains
31			Lotan		Lotan	Bindira		12	8	20				Pulses
32			Ganshwa		Ganshwa	Ayodhaya		14	6	20				
33			Sipahilal		Sipahilal	Lotan	3	12	5	20				Oil Seeds
34			Jiyalal		Jiyalal	Nanhelal	1	4	15	20				Food grains
35			Kaneya		Kaneya	Sitaldin	2	5	13	20				Pulses
36			Gookul		Gookul	Terbuban	1	6	13	20				Oil Seeds
37			Satujit		Satujit	Ramsilochan		8	12	20				Food grains
38			Ramtilak		Ramtilak	Balbant		10	10	20				Pulses
39	2C1A2f3g	Garhchapa	Deen Dayal	19-10-2011	Deen Dayal	Kunchi		5	9	14				Food grains
40	2C1A2f3h	Garhchapa	Ramsen	19-10-2011	Ramsen	Mata badal		3	12	15	G.T.B. Manikpur			Pulses
41			Durga		Durga	Jiyalal		3	7	10				Food grains
42			Natthu		Natthu	Nankuni	1	4	5	10				Pulses
43			Ramasere		Ramasere	Devraj	1	3	6	10				Oil Seeds
44			Phoolchandr		Phoolchandr	Rosan	1	4	5	10				Food grains
45			Hulla		Hulla	Raj Kumar		4	6	10				
46			Munwa		Munwa	Sunil		5	6	11				Pulses
47	2C1A2f3l	Garhchapa	Birajbusan	19-10-2011	Birajbusan	Surajbhan			15	15	G.T.B. Saraya			Oil Seeds
48			Narayandatt		Narayandatt	Esbant		6	14	20				Pulses
49			Bindra		Bindra	Shri Ram	1	7	12	20				Food grains
50			Rambhabn		Rambhabn	chote Lal		9	11	20				
51			Munwa		Munwa	Mohan		8	12	20				Pulses
52	2A7E2b2d	Kota Kandaila	Dalhan	20-10-2011	Tibedi	Dinesh	2	10		10	G.T.B. Manikpur			Pulses
53			Dalhan		Nadlal	Santosh	1		10	10				
54			Tilhan		Saceelal	Jageelal		4	6	10				Oil Seeds
55			Khadyan		Ramsingh	Jaisingh			10	10				Food grains
56			Tilhan		Direndra	Kuwar Singh		5	5	10				Oil Seeds
57			Khadyan		Virsan	Ajayvlal		8	2	10				Food grains
58			Khadyan		Harisankar	Munilal		6	4	10				
59			Dalhan		Sukhinand	Asok		6	4	10				Pulses



S. No	Name of micro watershed	Name of village	Name of group	Date of constitution	Name of Adhyaksh	Name of Sachiv	Total No. of Members				Name of Bank and Address	A/C No. & Date	Up to date Saving Rs.	Group activities
							Wo-men	Sc/St	Other	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
60			Dr. Amvedkar		Bheti Devi	Viraj Mohan	1	2	18	20				
61			Khadyan		Ramsanehi	Ramlakhan	2		8	10				Food grains
62			Tilhan		Jaikarn	Sokhilal	4	6	5	11				Oil Seeds
63			Khadyan		Lala	Guljar		11	6	17				Food grains
64			Dalhan		Santosh	Ramherdey	3		22	25				
65			Dalhan		Tirath Parsad	Ramsh	1		24	25				
66			Tilhan		Rajnarayana	Ramlakhan	3	4	18	25				
67			Tilhan		Rajrani	Ramnath	3		22	25				
68			Dalhan		Siyamnarayana	Sanat	1		24	25				
69			Wheat		Santosh	Raja			25	25				
70			Wheat		Ramanuj	Kedar	1		24	25				
71			Wheat		Avdesh	Ramshswar			25	25				
72			Wheat		Rambhajan	Chaturbihari	4	6	15	25				
73			Wheat		Sankardayal	Ramkirpal		15	10	25				
74	2C1A2f3k	Deshah	Wheat	19-10-2011	Babulal	Siyamlal	3	3	19	25	G.T.B. Manikpur			Food grains
75			Wheat		Rajaram	sukuro	3	11	11	25				
76			Jowar		Endranarayn	Gapuram	1	3	21	25				
77			Jowar		Lakhan	Narayn	2	4	19	25				
78			Jowar		Amiratlal	Narvda Prasad	1	1	23	25				
79			Jowar		Ashok Kumar	Babu lal	4	11	10	25				
80			Bajra		Ram Prasad	Kamta Prasad	6	16	3	25				
81					Kamlesh	Suresh	4	12	9	25				
82			Arhar		Kamta	Shyamlal	4	5	6	15				
83					Ramdas	Sardar	4	1	7	12				

**Table 4.9: Details of Fund flow of Watershed Committee Accounts**

S. No.	Name of MWS with code	Name of watershed committee (WC)	Opening Balance (in lakh)	Deposit			Withdrawal			Interest accrued	Closing balance
				DRDA/ ZP cheque No./date	Amount/ Date of deposit in WC Account	Total amount available in WC Account	Amount withdrawn by Cash/ Cheque	Date of withdrawal	Purpose of withdrawal		
1	2	3	4	5	6	7	8	9	10	11	12
1	All MWS	All WC		Account not opened as yet							

**Convergence in IWMP-X, Chitrakoot:** Several Central and State Govt. sponsored programmes are running in the district Chitrakoot. Some of them are listed below.

**Table 4.10: List of Central/State sponsored schemes**

S. No.	Name of Programme	Implementing Agency	Objectives of the Programme
1	Seed Distribution Programme (Pulse Development & ISOPAM)	U.P. Agriculture Deptt.	To increase seed replacement ratio for higher productivity
2	NWPRA	Agriculture Deptt.	To increase soil moisture conservation & ground water recharge
3	RIDF-16	Agriculture Deptt.	To increase soil moisture conservation & ground water recharge
4	Cane Bagain (RVP)	Agriculture Deptt.	To increase soil moisture conservation & ground water recharge

# **CHAPTER – 5**

## **MANAGEMENT / ACTION PLAN**

### **ENTRY POINT ACTIVITY (EPA)**

EPA activities are taken up under watershed projects to newly build or repair the already existing structures with the consultation of village community at the beginning of the project; generally, certain important works which are in urgent demand of the local community are taken up. A group Discussion was conducted with watershed Development Committee regarding the EPA activity, it was conveyed to the WC that an amount of Rs. 22.830 Lakhs was allotted for EPA activity, which was 4 per cent of total allocated budget. The villagers discussed various activities which they felt is important but after a brief discussion it was conveyed to them that only those activities can be taken, which revive the common natural resources. It was also taken into priority that there should be an instrument of convergence which will result in sustainability of activities.

**Table 5.1: Entry point activities (EPA), IWMP-X, DISTRICT- CHITRAKOOT**

S. No.	MWS Name	MWS Code	Amount Earmarked for EPA	Entry Point Activities	Estimated Cost (Rs. in Lakh)
1	Kota Kandaila	2A7E2b2d	1.16	Water Tank/ Charahi, Well repairing	1.16
2	Uchadeeh	2A7E2c1d	2.50	Water Tank/Charahi, Well repairing, construction of Calvert	2.50
3	Chureh Kaserua I	2A7E2c1f	2.52	Water Tank, Well repairing, construction of Calvert	2.52
4	Chureh Kaserua II	2C1A2f2g	1.30	Water Tank, Well repairing, construction of Calvert	1.30
5	Garhchapa I	2C1A2f3f	2.59	Water Tank, Well repairing, construction of Calvert	2.59
6	Garhchapa II	2C1A2f3h	1.42	Water Tank, Well repairing, construction of Calvert	1.42
7	Garhchapa III	2C1A2f3g	1.14	Water Tank, Well repairing, construction of Calvert	1.14
8	Gauriya I	2C1A2f3j	2.46	Water Tank, Well repairing, construction of Calvert	2.46
9	Gauriya II	2C1A2f3k	1.74	Water Tank, Well repairing, construction of Calvert	1.74
10	Garhchapa IV	2C1A2f3l	2.64	Water Tank, Well repairing, construction of Calvert	2.64
11	Gauriya III	2C1A2g2e	3.36	Water Tank, Well repairing, construction of Calvert	3.36
<b>Total</b>			<b>22.83</b>		<b>22.83</b>

### **Details of Livelihood Activities in the project area**

During discussions with the village communities by our Livelihood experts, several activities were discussed with them. The main objectives of these discussions were:

- Assure one livelihood option to poor families
- Assured livelihood for at least 300 days in a year
- At least one daily job per family SCs/BPL/ very poor families.

Form SHGs would be imparted skill training on identified Economic Activities and it is proposed to impart them trainings. It is proposed to lend revolving fund of Rs. 25000/- to each SHG/individuals formed in the watershed villages. Since the members from SHGs/landless are very poor, they do not have resources to start micro enterprises. It is envisaged that they should be assisted and given loan of this amount in the shape of Revolving Fund Assistance (RFA) so that they do not get trapped by money lenders. Funds thus given on loan are recoverable from SHGs/individuals in easy installments. It is also proposed to impart skill training to at least 10 unemployed youth from each village and give them trainings of their choice so that they establish some small enterprises. It is further proposed to give them interest free loan of Rs. 12000/- each as Revolving Fund Assistance (RFA) to meet their urgent needs of funds for establishing micro enterprises. Such funds recovered could either be back to SHGs/ individuals so some other SHGs/ individuals depending upon assessment of their respective needs. It is proposed to form 2 SHGs in each village and identify at least 10 youths in each village for imparting training and giving Revolving Fund.

Activities that is likely to be taken up by SHGs/ individuals

**Table 5.2:- LIVELIHOOD ACTION PLAN**

Amount in Lacs

**Details of Gram Panchayat Wise Distribution of funds in Livelihood Activities**

S. No.	Gram Panchayat	Total Amount	Livelihood Activities 9% of the Total project Cost				
			2011-12	2012-13	2013-14	2014-15	Total
1	Chureh Kaserua	7.68	0.95	3.49	3.24	0.00	<b>7.68</b>
2	Garhchapa	8.00	1.17	3.29	3.54	0.00	<b>8.00</b>
3	Gauriya	7.53	0.50	3.49	3.54	0.00	<b>7.53</b>
4	Kota Kandaila	7.33	0.85	3.24	3.24	0.00	<b>7.33</b>
5	Kobra	7.88	0.62	3.47	3.79	0.00	<b>7.88</b>
6	Uchadeeh	7.83	1.05	3.54	3.24	0.00	<b>7.83</b>
	<b>Total</b>	<b>46.25</b>	<b>5.14</b>	<b>20.52</b>	<b>20.59</b>	<b>0.00</b>	<b>46.25</b>

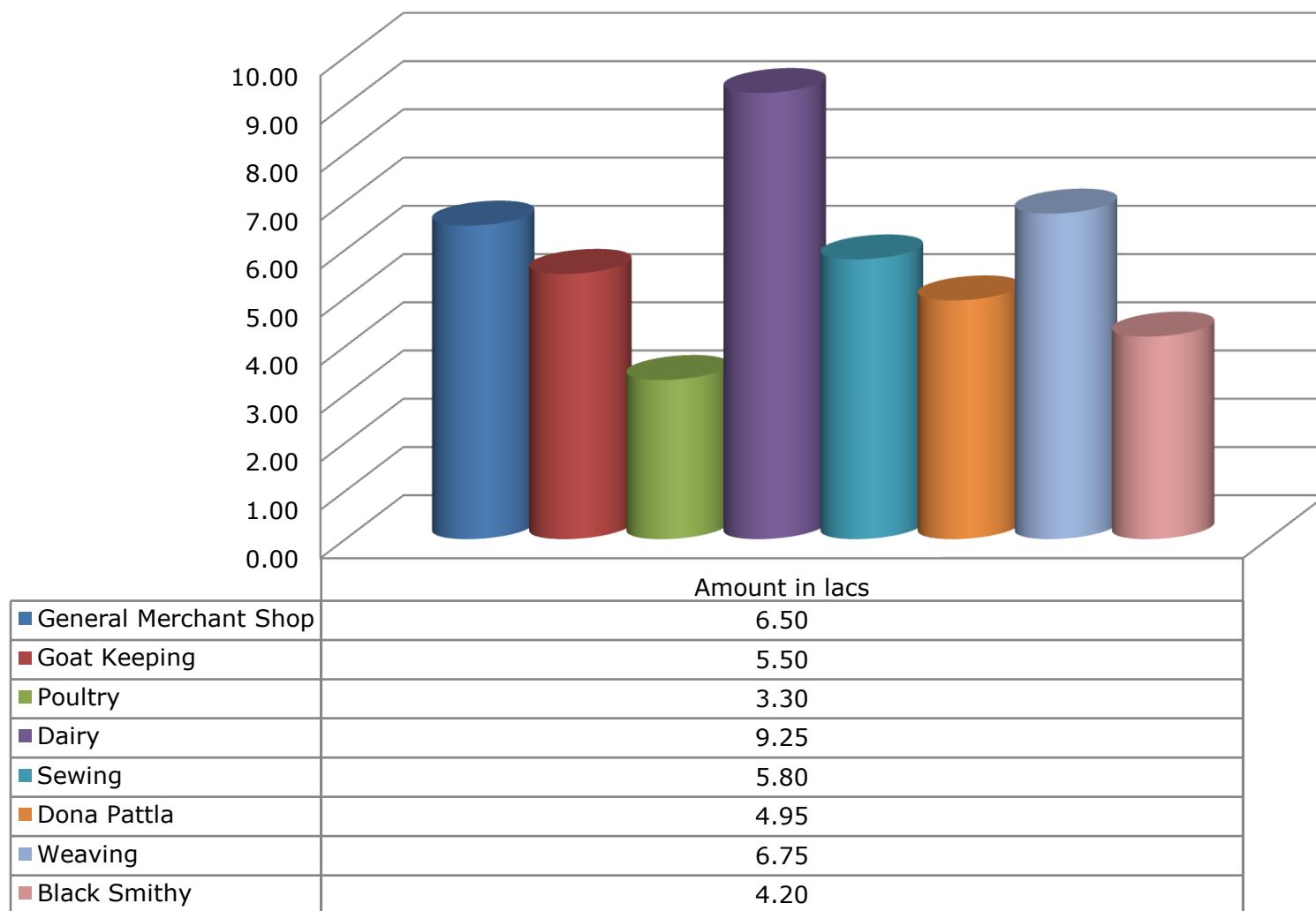
Total allocation of the fund in this activity is Rs. 51.37 lacs, out of which an action plan gram panchayat wise have been prepared for Rs. 46.25 lacs, as per the requirement of the project area Rs. 5.12 lacs would be in corporate in the above plan later.

**Table 5.3: Details of Livelihood activities in the project area, IWMP-X,  
DISTRICT-Chitrakoot**

S. No.	Gram Panchayat	General Merchant Shop					Goat Keeping					Poultry					Dairy				
		2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total
1	Chureh Kaserua	1	2	2		5		2	2		4		2	2		4	1	3	2		6
2	Garhchapa		2	1		3	1	2	2		5	1	1	2		4	2	2	2		6
3	Gauriya	1	2	2		5		2	2		4		2	1		3	1	3	2		6
4	Kota Kandaila		2	2		4		2	2		4		1	2		3	1	2	3		6
5	Kobra		2	2		4	1	1	2		4		2	2		4	1	3	3		7
6	Uchadeeh	1	2	2		5		2	2		4	1	1	2		4	1	3	2		6
	<b>Total</b>	3	12	11	0	26	2	11	12	0	25	2	9	11	0	22	7	16	14	0	37
S. No.	Gram Panchayat	Sewing					Dona Pattla					Weaving					Black Smithy				
		2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total
1	Chureh Kaserua	1	2	2		5		2	2		4	1	2	2		5		2	2		4
2	Garhchapa		3	2		5	1	2	4		7		2	3		5	1	2	2		5
3	Gauriya		2	2		4		2	4		6		2	2		4		2	3		5
4	Kota Kandaila	1	2	2		5		3	2		5	1	2	1		4	1	2	2		5
5	Kobra		3	2		5	1	2	4		7		2	2		4		2	2		4
6	Uchadeeh		3	2		5		2	2		4	1	2	2		5	1	2	2		5
	<b>Total</b>	2	15	12	0	29	2	13	18	0	33	3	12	12	0	27	3	12	13	0	28



## Activity Wise Distribution of funds in Livelihood



**ACTIVITIES RELATED TO SHGs:** Activities relating to income generation have been identified after several discussions with village communities. However final discussion in this regard will be taken after SHGs matures for 1st grading. Some of the activities identified are as under:

<b>Name of Activity</b>	<b>Unit Cost (Rs. In Lacs)</b>
General Merchant Shop	0.25
Goat Keeping	0.22
Poultry	0.15
Dairy	0.25
Sewing	0.20
Dona Pattla	0.15
Weaving	0.25
Black Smithy	0.15

There appears to be great potential for these activities and these activities are likely to generate income of Rs.2000/- to Rs.2500/- per member/per month. However no activities would be forced upon any SHGs and they would be free to decide the activity they would like to opt for their additional income. Based on their choice, Project report for the specified activity would be prepared and revolving fund of Rs.20000/ Rs.25000/- per SHG would be given for running their respective micro enterprise. If need arises for more funds for their Income Generation Activities at later stage, they would be assisted in getting loan from banks. SHGs thus formed would be provided all possible assistance to uplift for their Socio-Economic upliftment.

The following table gives expected income likely to be generated by SHGs:

## FARM PRODUCTION SYSTEM (10%)

**Table 5.4: GRAM PANCHAYAT WISE FINANCIAL BREAK UP OF PRODUCTION & MICRO ENTERPRISES, IWMP-X, DISTRICT- CHITRAKOOT**

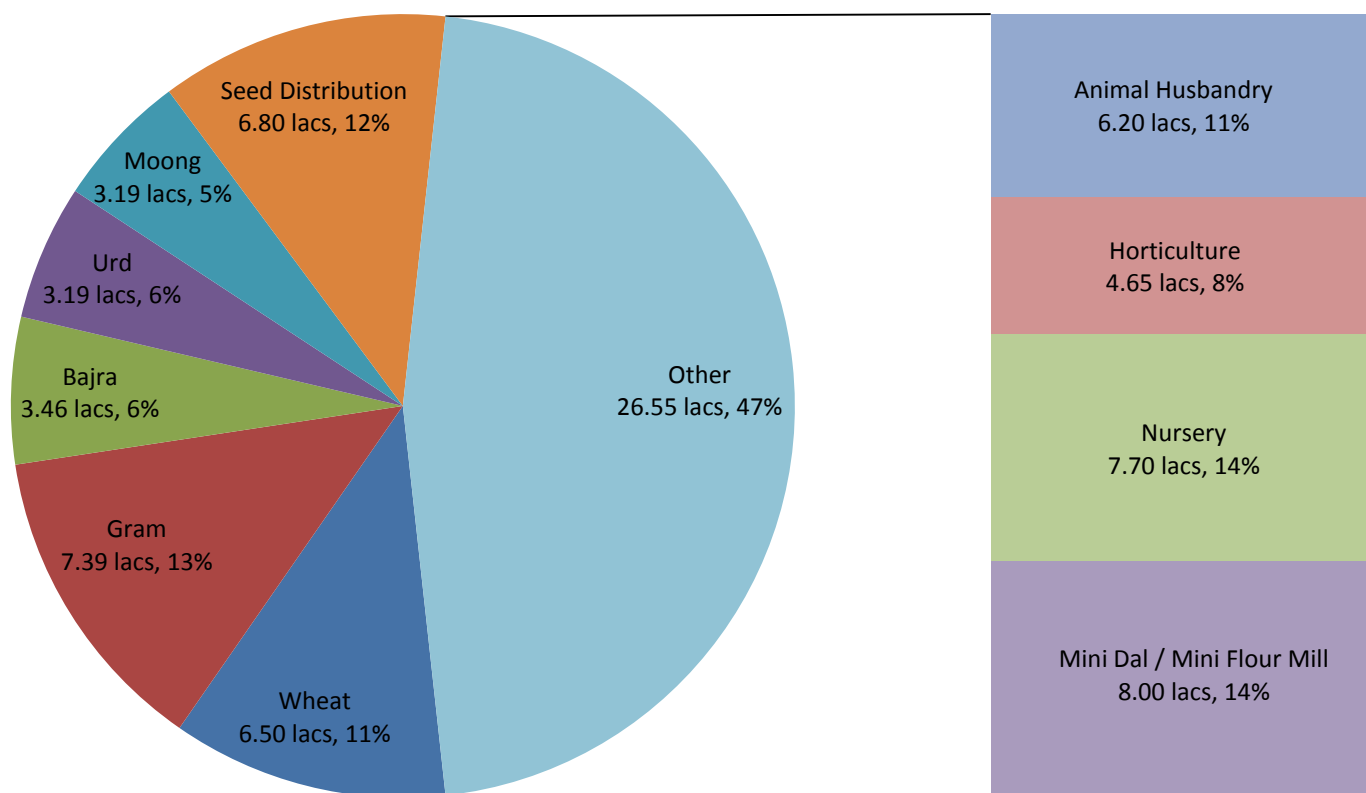
Amount in Lacs

S. No.	Gram Panchayat	Total Amount	Production System & Microenterprises 10% of the Total Project Cost				
			2011-12	2012-13	2013-14	2014-15	Total
1	Chureh Kaserua	9.68	1.06	4.37	4.26	0.00	<b>9.68</b>
2	Garhchapa	9.67	1.27	4.18	4.22	0.00	<b>9.67</b>
3	Gauriya	9.13	0.45	4.43	4.26	0.00	<b>9.13</b>
4	Kota Kandaila	8.86	0.95	4.38	3.53	0.00	<b>8.86</b>
5	Kobra	9.52	0.91	4.06	4.55	0.00	<b>9.52</b>
6	Uchadeeh	10.22	1.07	4.28	4.87	0.00	<b>10.22</b>
	<b>Total</b>	<b>57.08</b>	<b>5.71</b>	<b>25.68</b>	<b>25.68</b>	<b>0.00</b>	<b>57.08</b>

**Table 5.5: DETAILS OF PRODUCTION SYSTEM & MICRO ENTERPRISES ACTIVITIES AT  
GLANCE UNDER IWMP-X, DISTRICT – CHITRAKOOT**

S. No.	Gram Panchayat	CROP DEMOSTRATION (in nos.)																								
		Wheat					Gram					Bajra					Urd					Moong				
		2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total
1	Chureh Kaserua	1	5	3		9	1	3	3		7	1	4	3		8	1	4	3		8		5	3		8
2	Garhchapa	1	3	5		9	1	3	4		8	1	5	3		9	1	5	3		9	1	4	3		8
3	Gauriya		4	3		7	1	4	3		8		4	3		7	1	4	3		8	1	5	3		9
4	Kota Kandaila	1	3	3		7		3	3		6	1	5	3		9	1	5	2		8	1	4	3		8
5	Kobra	1	4	4		9	1	3	3		7		4	3		7		4	3		7	1	5	2		8
6	Uchadeeh	1	3	5		9	1	4	3		8	1	4	3		8	1	5	3		9	1	4	3		8
	Total	5	22	23	0	50	5	20	19	0	44	4	26	18	0	48	5	27	17	0	49	5	27	17	0	49
S. No.	Gram Panchayat	ANIMAL HUSBANDRY (in nos.)					HORTICULTURE (Area in ha.)					NURSURY (in nos.)					SEED DISTRIBUTION (in nos.)					Mini Dal / Mini Flour Mill (in nos.)				
		2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total	2011-12	2012-13	2013-14	2014-15	Total
1	Chureh Kaserua	1	3	3		7		2	2		4	1	2	3		6	1	3	2		6		1	2		3
2	Garhchapa	1	2	2		5	1	2	3		6	1	2	2		5	1	2	3		6		2	1		3
3	Gauriya		2	3		5	1	2	2		5		3	3		6		3	2		5		1	2		3
4	Kota Kandaila	1	2	2		5		2	3		5	1	2	2		5	1	3	2		6		2	1		3
5	Kobra	1	2	2		5	1	2	2		5		3	4		7	1	2	3		6		1	2		3
6	Uchadeeh		2	2		4	1	2	3		6	1	2	3		6	1	2	2		5		2	3		5
	Total	4	13	14	0	31	4	12	15	0	31	4	14	17	0	35	5	15	14	0	34	0	9	11	0	20

## Activity Wise Distribution of funds in Production System & Micro Enterprises



**Approx Rate:** - Wheat @ Rs. 13000/ha, Gram @ Rs.16800/ha, Bajra @ Rs. 7200/ha, Urd @ Rs. 6500/ha, Moong @ Rs. 6500/ha, Seed Distribution @ Rs. 20000/-, Horticulture toolkit @ Rs. 15000/- and Nursery @ Rs. 22000/- , Animal Husbandry @ Rs. 20000/-, Mini Dal / Mini Flour Mill @ Rs. 40000/-.

The above action plan has been prepared according to the need and resources available in the project area. Individual activity fund distribution has been made the details would be given beneficiary wise in the project file. Demonstration of crop, animal husbandry camp distribution of sheed and plantation of fruit trees are the essential requirement of the project area. Therefore the above plan has been constituted according to the aforesaid activity and the funds were allocated as per the norms.

### **MAJOR PROBLEMS OF THE WATERSHEDS**

- Moisture stress-Drought conditions
- Erosion hazard
- Excess runoff.
- Land degradation
- Low fertility of soil
- Ground water depletion/Low ground water table, poor quality of groundwater
- Low cropping intensity
- Lack of technical knowledge
- Lack of irrigation facilities
- Low productivity of crops
- Low availability of drinking water for human as well as animals
- Overgrazing

- Poor vegetative cover
- Poor/low productive breeds of milch animals
- Lower milk production
- Lack of feed & fodder availability
- Non availability of wood/fuel
- Lack of proper market facilities
- Lack of educational, transportation, medical & health care facilities
- Low wages
- Small land holdings
- Low income of the households
- Lack of employment opportunity.
- Migration from the project area.

An annual action plan for the entire activity of the project according to availability of budget has been proposed for the annual schedule from 2011-12 to 2014-15. The details given below.

**Table 5.6: Gram Panchayat wise Breakup of Watershed Development Work, Livelihood and Production System & Micro Enterprise**

S. No.	Name of MWS with Code	Gram Panchayat	Treatable Area	Watershed Development Work (56%)	Livelihood (9%)	Production System (10%)	Total
1	2A7E2c1d, 2A7E2c1f, 2C1A2f2g, 2C1A2f3j	Chureh Kaserua	923.490	62.06	7.68	9.68	79.42
2	2C1A2f2g, 2C1A2f3f, 2C1A2f3h, 2C1A2f3g, 2C1A2f3j, 2C1A2f3l	Garhchapa	1929.150	129.64	8.00	9.67	147.31
3	2C1A2f3j, 2C1A2f3k, 2C1A2g2e	Gauriya	1238.667	83.24	7.53	9.13	99.90
4	2A7E2b2d	Kota Kandaila	242.000	16.26	7.33	8.86	32.45
5	2C1A2f3f, 2C1A2f3h, 2C1A2f3g	Kobra	129.620	8.71	7.88	9.52	26.11
6	2A7E2c1d, 2C1A2f3j	Uchadeeh	293.390	19.72	7.83	10.22	37.76
	<b>Total</b>		<b>4756.317</b>	<b>319.62</b>	<b>46.25</b>	<b>57.08</b>	<b>422.94</b>

Total allocation of the fund in this activity is Rs. 51.37 lacs, out of which an action plan Gram Panchayat wise have been prepared for Rs. 46.25 lacs, as per the requirement of the project area Rs. 5.12 lacs would be in corporate in the above plan later.



**Table 5.7: ANNUAL ACTION PLAN of IWMP-X CHITRAKOOT**  
**Physical & Financial break up of Watershed Development Works**

Fin in Lacs, Phy in ha

MWS Code	Gram Panchayat	Activity	Target as AAP									
			2011-12		2012-13		2013-14		2014-15		Total	
			Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy
Kota Kandaila 2A7E2b2d Uchadeeh 2A7E2c1d Chureh Kaserua I 2A7E2c1f Chureh Kaserua II 2C1A2f2g Garhchapa I 2C1A2f3f Garhchapa II 2C1A2f3h Garhchapa III 2C1A2f3g Gauriya I 2C1A2f3j Gauriya II 2C1A2f3k Garhchapa IV 2C1A2f3l Gauriya III 2C1A2g2e	Chureh Kaserua Garhchapa Gauriya Kota Kandaila Kobra Uchadeeh	Land Development										
		Horticulture	0.20	4.45	0.33	6.97	0.33	6.97	0.64	11.26	1.49	29.64
		Afforestation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		SMC										
		Contour Bunding	0.25	3.03	0.42	4.75	0.42	4.75	0.82	7.68	1.90	20.21
		Bench terracing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MB/PB	6.54	127.32	10.68	199.46	10.68	199.46	20.93	322.53	48.83	848.77
		Veg. & Engg. Structures										
		Loose Boulders	0.35	8.93	0.57	13.98	0.57	13.98	1.11	22.61	2.59	59.51
		Gabion Structures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		WHS										
		Check Dam	13.82	225.07	22.57	352.60	22.57	352.60	44.22	570.17	103.18	1500.44
		SB	3.13	69.66	5.11	109.13	5.11	109.13	10.02	176.47	23.37	464.39
Others WHB/RCD/Ground Water Recharge Structures/Ponds	18.52	275.00	30.24	430.84	30.24	430.84	59.25	696.68	138.25	1833.36		
Sub Total			42.81	713.45	69.92	1117.73	69.92	1117.73	136.98	1807.40	319.62	4756.317

MWS Code	Gram Panchayat	Details of Livelihood Activity	Livelihood Activity								
			General Merchant Shop	Goat Rearing	Poultry	Dairy	Sewing	Dona Pattla	Weaving	Black Smithy	Total
Kota Kandaila 2A7E2b2d Uchadeeh 2A7E2c1d Chureh Kaserua I 2A7E2c1f Chureh Kaserua II 2C1A2f2g Garhchapa I 2C1A2f3f Garhchapa II 2C1A2f3h Garhchapa III 2C1A2f3g Gauriya I 2C1A2f3j Gauriya II 2C1A2f3k Garhchapa IV 2C1A2f3l Gauriya III 2C1A2g2e	Chureh Kaserua	General Merchant Shop @ Rs. 25000/- per beneficiary, Goat Rearing @ Rs. 22000/- per Goat and 07 Goat will be given per beneficiary costing Rs. 3000/- per number, Poultry -(Chuja, feed and other support item) per beneficiary @ Rs.15000/- , Dairy @ Rs. 25000/- per beneficiary, Sewing @ Rs. 20000/- per beneficiary, Black Smithy @ Rs. 15000/- per beneficiary, Dona Pattal @ 15000/-per beneficiary, Weaving @25000/- per beneficiary	5	4	4	6	5	4	5	4	7.68
	Garhchapa		3	5	4	6	5	7	5	5	8.00
	Gauriya		5	4	3	6	4	6	4	5	7.53
	Kota Kandaila		4	4	3	6	5	5	4	5	7.33
	Kobra		4	4	4	7	5	7	4	4	7.88
	Uchadeeh		5	4	4	6	5	4	5	5	7.83
	Others (Revolving Fund)										
	<b>Sub Total</b>		<b>26</b>	<b>25</b>	<b>22</b>	<b>37</b>	<b>29</b>	<b>33</b>	<b>27</b>	<b>28</b>	<b>51.37</b>

MWS Code	Gram Panchayat	Details of Production System & Micro Enterprises Activity	Production System & Micro Enterprises Activity										
			Wheat	Gram	Bajra	Urd	Moong	Animal Husbandry	Horticulture	Nursery	Seed Distribution	Mini Dal / Mini Flour Mill	Total
Kota Kandaila 2A7E2b2d Uchadeeh 2A7E2c1d Chureh Kaserua I 2A7E2c1f Chureh Kaserua II 2C1A2f2g Garhchapa I 2C1A2f3f Garhchapa II 2C1A2f3h Garhchapa III 2C1A2f3g Gauriya I 2C1A2f3j Gauriya II 2C1A2f3k Garhchapa IV 2C1A2f3l Gauriya III 2C1A2g2e	Chureh Kaserua	Crop demonstration is wheat @ Rs. 13000/ha, Gram @ Rs.16800/ha, Bajra @ Rs. 7200/ha, Urd @ Rs. 6500/ha, Moong @ Rs. 6500/ha, Seed Distribution @ Rs. 20000/-, Horticulture toolkit @ Rs. 15000/- and Nursery @ Rs. 22000/- , Animal Husbandry @ Rs. 20000/-, Mini Dal / Mini Flour Mill @ Rs. 40000/-.	9	7	8	8	8	7	4	6	6	3	9.68
	Garhchapa		9	8	9	9	8	5	6	5	6	3	9.67
	Gauriya		7	8	7	8	9	5	5	6	5	3	9.13
	Kota Kandaila		7	6	9	8	8	5	5	5	6	3	8.86
	Kobra		9	7	7	7	8	5	5	7	6	3	9.52
	Uchadeeh		9	8	8	9	8	4	6	6	5	5	10.22
	<b>Sub Total</b>		<b>50</b>	<b>44</b>	<b>48</b>	<b>49</b>	<b>49</b>	<b>31</b>	<b>31</b>	<b>35</b>	<b>34</b>	<b>20</b>	<b>57.08</b>
	<b>Grand Total</b>											<b>428.07</b>	

# **CHAPTER – 6**

## **CAPACITY BUILDING PLAN**

The total amount in this activity is Rs 28.54 Lacs have been allocated. According to distribution of fund in different level, a comprehensive detail action plan has been prepared for proper execution of human resource development in the project activities.

### Year-wise bifurcation of capacity building activities IWMP-X, Chitrakoot

			I Year				II Year				
S. No.	Level	Total no of person	No of person to be trained	No of training to be conduct	Training day	Total Cost	No of person to be trained	No of training to be conduct	Training day	Total Cost	
1	SLNA					1.26				0.34	
2	WCDC					2.85				0.97	
3	PIA	32	30	7	3	2.60	23	3	2	0.59	
4	WDT	4	4	12	4	1.30	5	4	3	0.30	
5	SHG	90	75	6	2	3.25	50	2	2	0.74	
6	UG	75	100	6	2	3.90	65	2	2	0.89	
7	WC	45	50	5	2	1.95	30	2	2	0.45	
	TOTAL					17.12				4.28	
			III Year				IV Year				Total
S. No.	Level	Total no of person	No of person to be trained	No of training to be conduct	Training day	Total Cost	No of person to be trained	No of training to be conduct	Training day	Total Cost	
1	SLNA					0.34				0.57	2.51
2	WCDC					0.97				0.57	5.37
3	PIA	32	23	3	2	0.59	19	2	2	0.34	4.13
4	WDT	4	5	4	3	0.30	4	4	2	0.17	2.07
5	SHG	90	50	2	2	0.74	26	2	2	0.43	5.17
6	UG	75	65	2	2	1.04	36	2	2	0.60	6.43
7	WC	45	30	2	2	0.30	11	2	2	0.17	2.87
	TOTAL					4.28				2.85	28.54

# **CHAPTER -7**

## **PHASING OF PROGRAMME & BUDGETING**

**FINANCIAL BREAKUP OF VARIOUS COMPONENTS IN TERMS OF % OF IWMP-X,  
DISTRICT- CHITRAKOOT**

Amount in Lacs

S. No.	MWS Name	MWS Code	Project Area	Proposed Amount	Administrative 10%	EPA 4%	Institution and CB 5%	DPR 1%	Watershed development work 56%	Livelihood for assetless 9%	Production system and Microenterprises 10%	Monitoring 1%	Evaluation 1%	Consolidation 3%	Total 100%
1	Kota Kandaila	2A7E2b2d	242.000	29.04	2.90	1.16	1.45	0.29	16.26	2.61	2.90	0.29	0.29	0.87	29.04
2	Uchadeeh	2A7E2c1d	520.060	62.41	6.24	2.50	3.12	0.62	34.95	5.62	6.24	0.62	0.62	1.87	62.41
3	Chureh Kaserua I	2A7E2c1f	525.000	63.00	6.30	2.52	3.15	0.63	35.28	5.67	6.30	0.63	0.63	1.89	63.00
4	Chureh Kaserua II	2C1A2f2g	270.800	32.50	3.25	1.30	1.62	0.32	18.20	2.92	3.25	0.32	0.32	0.97	32.50
5	Garhchapa I	2C1A2f3f	540.000	64.80	6.48	2.59	3.24	0.65	36.29	5.83	6.48	0.65	0.65	1.94	64.80
6	Garhchapa II	2C1A2f3h	295.110	35.41	3.54	1.42	1.77	0.35	19.83	3.19	3.54	0.35	0.35	1.06	35.41
7	Garhchapa III	2C1A2f3g	237.510	28.50	2.85	1.14	1.43	0.29	15.96	2.57	2.85	0.29	0.29	0.86	28.50
8	Gauriya I	2C1A2f3j	512.320	61.48	6.15	2.46	3.07	0.61	34.43	5.53	6.15	0.61	0.61	1.84	61.48
9	Gauriya II	2C1A2f3k	363.517	43.62	4.36	1.74	2.18	0.44	24.43	3.93	4.36	0.44	0.44	1.31	43.62
10	Garhchapa IV	2C1A2f3l	550.000	66.00	6.60	2.64	3.30	0.66	36.96	5.94	6.60	0.66	0.66	1.98	66.00
11	Gauriya III	2C1A2g2e	700.000	84.00	8.40	3.36	4.20	0.84	47.04	7.56	8.40	0.84	0.84	2.52	84.00
		<b>Total</b>	<b>4756.317</b>	<b>570.76</b>	<b>57.08</b>	<b>22.83</b>	<b>28.54</b>	<b>5.71</b>	<b>319.62</b>	<b>51.37</b>	<b>57.08</b>	<b>5.71</b>	<b>5.71</b>	<b>17.12</b>	<b>570.76</b>

**YEARWISE PHYSICAL AND FINANCIAL BREAK UP OF WORK COMPONENT OF IWMP-X,  
DISTRICT- CHITRAKOOT  
Watershed Development Works**

Fin in Lacs, Phy in ha

S. No.	MWS Name	MWS Code	Project Area	Proposed Amount	2011-12		2012-13		2013-14		2014-15		TOTAL	
					Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Kota Kandaila	2A7E2b2d	242.000	16.26	36.30	2.18	56.87	3.56	56.87	3.56	91.96	6.97	<b>242.00</b>	<b>16.26</b>
2	Uchadeeh	2A7E2c1d	520.060	34.95	78.01	4.68	122.21	7.64	122.21	7.64	197.62	14.98	<b>520.06</b>	<b>34.95</b>
3	Chureh Kaserua I	2A7E2c1f	525.000	35.28	78.75	4.73	123.38	7.72	123.38	7.72	199.50	15.12	<b>525.00</b>	<b>35.28</b>
4	Chureh Kaserua II	2C1A2f2g	270.800	18.20	40.62	2.44	63.64	3.98	63.64	3.98	102.90	7.80	<b>270.80</b>	<b>18.20</b>
5	Garhchapa I	2C1A2f3f	540.000	36.29	81.00	4.86	126.90	7.94	126.90	7.94	205.20	15.55	<b>540.00</b>	<b>36.29</b>
6	Garhchapa II	2C1A2f3h	295.110	19.83	44.27	2.66	69.35	4.34	69.35	4.34	112.14	8.50	<b>295.11</b>	<b>19.83</b>
7	Garhchapa III	2C1A2f3g	237.510	15.96	35.63	2.14	55.81	3.49	55.81	3.49	90.25	6.84	<b>237.51</b>	<b>15.96</b>
8	Gauriya I	2C1A2f3j	512.320	34.43	76.85	4.61	120.40	7.53	120.40	7.53	194.68	14.75	<b>512.32</b>	<b>34.43</b>
9	Gauriya II	2C1A2f3k	363.517	24.43	54.53	3.27	85.43	5.34	85.43	5.34	138.14	10.47	<b>363.52</b>	<b>24.43</b>
10	Garhchapa IV	2C1A2f3l	550.000	36.96	82.50	4.95	129.25	8.09	129.25	8.09	209.00	15.84	<b>550.00</b>	<b>36.96</b>
11	Gauriya III	2C1A2g2e	700.000	47.04	105.00	6.30	164.50	10.29	164.50	10.29	266.00	20.16	<b>700.00</b>	<b>47.04</b>
	<b>Total</b>		<b>4756.317</b>	<b>319.62</b>	<b>713.45</b>	<b>42.81</b>	<b>1117.73</b>	<b>69.92</b>	<b>1117.73</b>	<b>69.92</b>	<b>1807.40</b>	<b>136.98</b>	<b>4756.32</b>	<b>319.62</b>



**GRAM PANCHAYAT WISE PHYSICAL AND FINANCIAL BREAK UP OF WORK COMPONENT OF  
IWMP-X, DISTRICT- CHITRAKOOT  
Watershed Development Works**

Fin in Lacs, Phy in ha

S. No.	Gram Panchayat	Project Area	Proposed Amount	2011-12		2012-13		2013-14		2014-15		TOTAL	
				Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Chureh Kaserua	923.490	62.06	138.52	8.31	217.02	13.58	217.02	13.58	350.93	26.60	<b>923.49</b>	<b>62.06</b>
2	Garhchapa	1929.150	129.64	289.37	17.36	453.35	28.36	453.35	28.36	733.08	55.56	<b>1929.15</b>	<b>129.64</b>
3	Gauriya	1238.667	83.24	185.80	11.15	291.09	18.21	291.09	18.21	470.69	35.67	<b>1238.67</b>	<b>83.24</b>
4	Kota Kandaila	242.000	16.26	36.30	2.18	56.87	3.56	56.87	3.56	91.96	6.97	<b>242.00</b>	<b>16.26</b>
5	Kobra	129.620	8.71	19.44	1.17	30.46	1.91	30.46	1.91	49.26	3.73	<b>129.62</b>	<b>8.71</b>
6	Uchadeeh	293.390	19.72	44.01	2.64	68.95	4.31	68.95	4.31	111.49	8.45	<b>293.39</b>	<b>19.72</b>
	<b>Total</b>	<b>4756.317</b>	<b>319.62</b>	<b>713.45</b>	<b>42.81</b>	<b>1117.73</b>	<b>69.92</b>	<b>1117.73</b>	<b>69.92</b>	<b>1807.40</b>	<b>136.98</b>	<b>4756.32</b>	<b>319.62</b>

## ANNUAL ACTION PLAN of Budget Components of IWMP-X CHITRAKOOT

S. No.	Physical And Financial Target (Fin in lacs)	Unit	Ist Year		IInd Year		IIIrd Year		IVth Year		Total	
			2011-12		2012-13		2013-14		2014-15			
			Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy
1	Administration		11.42		15.70		15.70		14.27		57.08	
2	Monitoring		1.14		1.57		1.57		1.43		5.71	
3	Evaluation		1.71		1.28		1.28		1.43		5.71	
4	Entry Point Activities											
	Planned											
	No. of Activities	No.	22.83								22.83	
	No. of Beneficiaries	No.										
	Executed											
	No. of Activities	No.										
	No. of Beneficiaries	No.										
5	Institutional & Capacity Building											
	No. of Persons to be Trained											
	SLNA Level	No.										
	District Level	No.										
	PIA	No.		30		23		23		19		95
	WDT Level	No.		4		5		5		4		18
	SHG	No.		75		50		50		26		201
	User Groups	No.		100		65		65		36		266
	WC Level	No.		50		30		30		11		121
		Total		259		173		173		96		701
	No. of Total Persons Trained	No. of stake holder										
	SLNA Level		1.26		0.34		0.34		0.57		2.51	
	District Level		2.85		0.97		0.97		0.57		5.37	
	PIA		2.60	210	0.59	69	0.59	69	0.34	38	4.13	386
	WDT Level		1.30	48	0.30	20	0.30	20	0.17	16	2.07	104
	SHG		3.25	450	0.74	100	0.74	100	0.43	52	5.17	702
	User Groups		3.90	600	0.89	130	1.04	130	0.60	72	6.43	932
	WC Level		1.95	250	0.45	60	0.30	60	0.17	22	2.87	392
	Sub Total			17.12	1558	4.28	379	4.28	379	2.85	200	28.54

S. No.	Physical And Financial Target (Fin in lacs)	Unit	Ist Year		IInd Year		IIIrd Year		IVth Year		Total	
			2011-12		2012-13		2013-14		2014-15			
			Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy
6	DPR Preparation		5.71								5.71	
7	Watershed Development Works											
	Land Development											
	Afforestation (on wasteland)	ha										
	Afforestation (on total land)	ha										
	Horticulture (on wasteland)	ha	0.20	4.45	0.33	6.97	0.33	6.97	0.64	11.26	1.49	29.64
	Sub Total		0.20	4.45	0.33	6.97	0.33	6.97	0.64	11.26	1.49	29.64
	Soil And Moisture Conservation											
	1. Field Bund	ha										
	2. Contour Bund	ha	0.25	3.03	0.42	4.75	0.42	4.75	0.82	7.68	1.90	20.21
	3. Marginal Bund/ Peripheral Bunds	ha	6.54	127.32	10.68	199.46	10.68	199.46	20.93	322.53	48.83	848.77
	4. Sub Marginal Bund	ha	3.13	69.66	5.11	109.13	5.11	109.13	10.02	176.47	23.37	464.39
	Others/ Ponds	ha										
	Sub Total		9.92	200.01	16.21	313.34	16.21	313.34	31.76	506.68	74.10	1333.37
	Water Harvesting Structure ( New Created)											
	Farm Ponds	nos										
	Check Dams	ha	13.82	225.07	22.57	352.60	22.57	352.60	44.22	570.17	103.18	1500.44
	Water Harvesting Bund / Recharging Check Dams	ha	18.52	275.00	30.24	430.84	30.24	430.84	59.25	696.68	138.25	1833.36
	Loose Boulders	ha	0.35	8.93	0.57	13.98	0.57	13.98	1.11	22.61	2.59	59.51
	Ground water recharge structures	nos										
	Others	nos										
	Sub Total		32.68	509.00	53.38	797.43	53.38	797.43	104.59	1289.46	244.03	3393.31

S. No.	Physical And Financial Target (Fin in lacs)	Unit	Ist Year		IInd Year		IIIrd Year		IVth Year		Total	
			2011-12		2012-13		2013-14		2014-15			
			Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy
	c. Water Harvesting Structure (Storage Capacity of New Structure)											
	Farm Ponds	Cubic meter										
	Check dams		0	20547	0	32190	0	32190	0	52051	0	136977
	Water Harvesting Bund / Recharging Check Dams		0	23284	0	36478	0	36478	0	58986	0	155227
	Loose Boulders											
	Ground water recharge structures											
	Others											
	Grand Total		42.81	713.45	69.92	1117.73	69.92	1117.73	136.98	1807.40	319.62	4756.317
8	Livelihood Activities Through SHGs											
	General Merchant Shop											
	a) No. of SHG's		0.75	3	3.00	12	2.75	11	0.00	0	6.50	26
	b) No. of Member's											
	Goat Rearing											
	a) No. of SHG's		0.44	2	2.42	11	2.64	12	0.00	0	5.50	25
	b) No. of Member's											
	Poultry											
	a) No. of SHG's		0.30	2	1.35	9	1.65	11	0.00	0	3.30	22
	b) No. of Member's											
	Dairy											
	a) No. of SHG's		1.75	7	4.00	16	3.50	14	0.00	0	9.25	37
	b) No. of Member's											
	Sewing											
	a) No. of SHG's		0.40	2	3.00	15	2.40	12	0.00	0	5.80	29
	b) No. of Member's											

S. No.	Physical And Financial Target (Fin in lacs)	Unit	Ist Year		IInd Year		IIIrd Year		IVth Year		Total	
			2011-12		2012-13		2013-14		2014-15			
			Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy		
	Dona Pattla											
	a) No. of SHG's		0.30	2	1.95	13	2.70	18	0.00	0	4.95	33
	b) No. of Member's											
	Weaving											
	a) No. of SHG's		0.75	3	3.00	12	3.00	12	0.00	0	6.75	27
	b) No. of Member's											
	Black Smithy											
	a) No. of SHG's		0.45	3	1.80	12	1.95	13	0.00	0	4.20	28
	b) No. of Member's											
	Others (Revolving Fund)		0.57		2.31		2.24		0.00		5.12	
	Sub Total		5.71	24	22.83	100	22.83	103	0.00	0	51.37	227
9	Production System & Micro – Enterprises											
	Agriculture											
	a) Crop Demonstration											
	1. No. of Demo.	nos	2.43	24	11.60	122	9.69	94	0.00	0	23.72	240
	2. Area	ha		9.60		48.80		37.60		0.00		96.00
	b) Horticulture		0.60	4	1.80	12	2.25	15	0.00	0	4.65	31
	c) Nursery		0.88	4	3.08	14	3.74	17	0.00	0	7.70	35
	d) Animal Husbandry		0.80	4	2.60	13	2.80	14	0.00	0	6.20	31
	e) Mini Dal / Mini Flour Mill		0.00	0	3.60	9	4.40	11	0.00	0	8.00	20
	f) Seed Distribution		1.00	5	3.00	15	2.80	14	0.00	0	6.80	34
	Sub Total		3.28	17	14.08	63	15.99	71	0.00	0	33.35	151
	Total		5.71		25.68		25.68		0.00		57.08	
10	Consolidation & Withdrawal Phase Activities								17.12		17.12	
	Grand Total		114.15	713.45	141.26	1117.73	141.26	1117.73	174.08	1807.40	570.76	4756.317

# **CHAPTER -8**

## **CONSOLIDATION / EXIT STRATEGY**

## **WATERSHED DEVELOPMENT FUND**

The major source of financial assistance after post implementation period is Watershed Development Fund. The contribution of it will come mainly from the fund generated.

## **USER CHARGES**

Various user groups will be formed in village. These user groups will collect user according to the designated rules formed during the formation of user group. These funds will be transferred to the WDF funds as per these formulated rules. The secretary of watershed committee (WC) shall maintain the records.

## **SUSTAINABILITY AND ENVIRONMENT SECURITY**

In the proposed watershed management plan of IWMP-X Chitrakoot watershed, proper blending of bio engineering measures will be applied on 56% of the total watershed area. Based on the results of studies conducted in this region, it is estimated that more 50% of the watershed area will be treated and consequently the soil loss and runoff from the area is expected to be reduced by 70% and 65% respectively. The proposed land use plan will improve the land utilization index and crop diversification index significantly as compared to the existing one. It will help in maintaining ecosystem integrity on sustained basis along with improving the livelihood security of the farming community.

## **ECONOMIC ANALYSIS**

Economic analysis of the project was carried by taking direct benefits and costs considering 25 year project life at 10 per cent discount rate. For this purpose of economic analysis, whole watershed development plan was divided into three sectors namely,

Agriculture, horticulture and forest/fuel wood plantation. Net present value (NPV), Benefit cost ratio (BC) ratio criteria were employed to judge the economic efficiency of each enterprise and sector.

### **AGRICULTURE**

In rainfed agriculture the development cost can be recovered within one year as the present rainfed agriculture is being done on well maintained field, therefore, does not require much investment.



# **CHAPTER -9**

## **EXPECTED OUTCOME**

## ABTRACT OF OUTCOMES

The overall assessment of the project certain parameters have been evaluated on the present and future basis. As mentioned in the above the food grain production according to the expenditure has been analyzed after the completion of the project.

### SUMMARY OF EXPECTED /ESTIMATED OUTCOMES OF IWMP-X of District- Chitrakoot (2011-12)

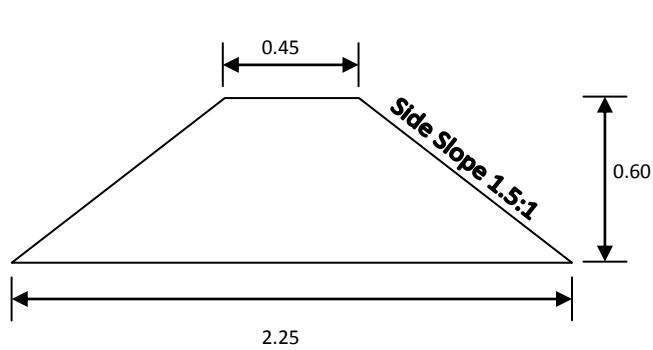
S. No.	Project Outcome Details	Pre-project Status	Expected Post-project Status
1	Cropped Area ( ha)	3330.317	3370.00
2	Net Sown Area( ha)	3330.317	3370.00
3	Area of land to which irrigation facility created( ha)	170.64	185.20
4	No. of Revenue Records Updated	-	-
5	No. of Beneficiaries (Small Farmers)	-	5019
6	No. of Beneficiaries (Marginal Farmers)	-	4120
7	No. of Beneficiaries (Landless)	-	1057
8	No. of Beneficiaries (BPL)	-	1057
9	Total No. of Employment Generated (mandays)	140000	195000
10	No. of Persondays Migrated from Project Area		930
11	Depth of Ground Water (meters below ground level)	28	26

# **Chapter-10**

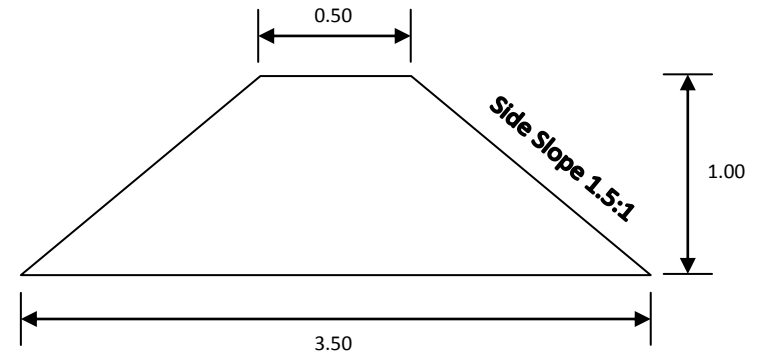
## **COST NORMS & DESIGN OF STRUCTURE PROPOSED**

## DRAWING OF C.B., S.B., P.B., AND M.B.

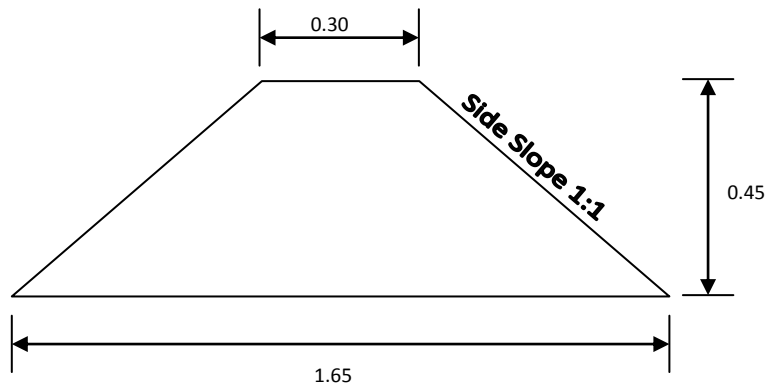
*(Not to Scale)*



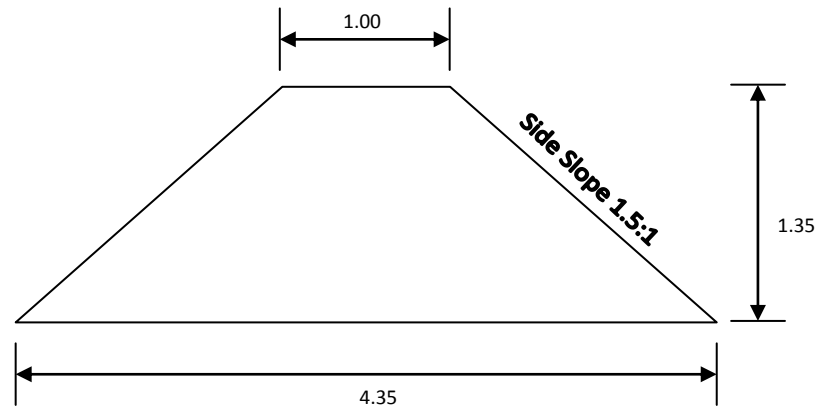
(C.B., Cross-Section – 1.081 m<sup>2</sup>)



(S.B., Cross-Section – 2.00m<sup>2</sup>)



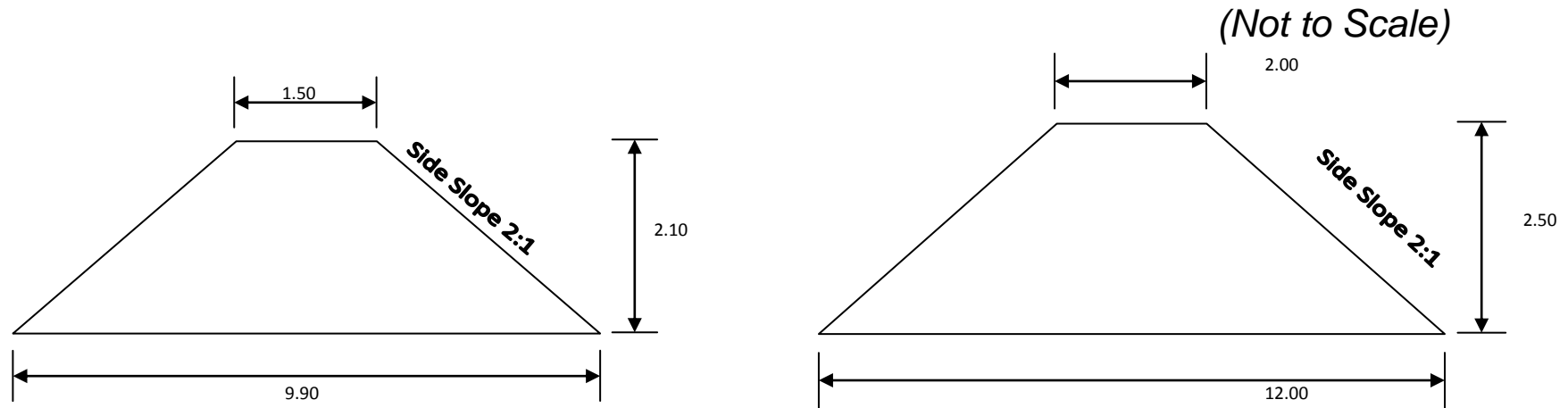
(Field Bund, Cross-Section – 0.438 m<sup>2</sup>)



(P.B. /M.B., Cross-Section – 3.60 m<sup>2</sup>)

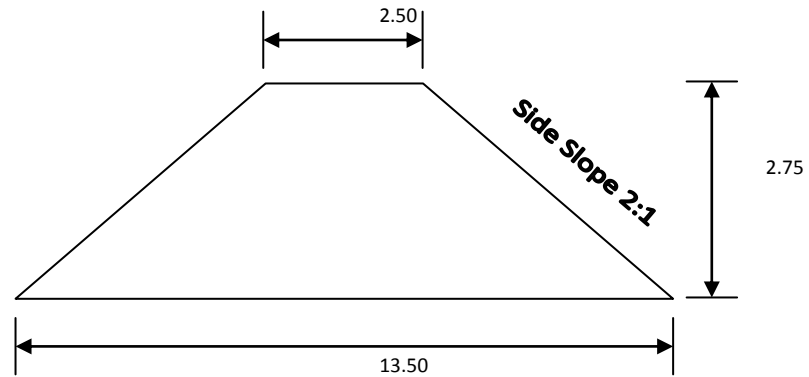
(All dimensions in Meter)

## DRAWING OF EARTHEN CHEKDAM / GULLY PLUG



(C.D. /G.P., Cross-Section – 11.97 m<sup>2</sup>)

(C.D. /G.P., Cross-Section – 17.50 m<sup>2</sup>)



(W.H.B., Cross-Section – 22.00 m<sup>2</sup>)

**(All dimensions in Meter)**

## DESIGN OF CONTOUR BUND

Type of Soil	-Loam, Sandy Loam
Rain fall	-24 hr in cm -10 cm
Field -1%	
Vertical Interval (VI)	$= [s/3+2] \times 0.3$ $= [1/3+2] \times 0.3$ $= 0.70 \text{ m}$
Horizontal Interval (HI)	$= 100 \times V.I/s$ $= 100 \times 0.7/1$
Height of bund h	$= \sqrt{(Re \times VI)/50}$ Re=maximum rainfall in cm $= \sqrt{(10 \times 0.7)/50}$ $= \sqrt{0.37}$ $= 0.40$ <b>Say 0.60 m</b>
Free board	=15% of height minimum -20 cm
Height	$= 0.60 + 0.10$ $= 0.60 \text{ m}$
Taking top width of bund 0.50 m and side slope 1.5:1	
Then base of Bund	$= 0.45 + (1.50 d) \times 2$ $= 2.60 \text{ m}$
Cross-Section of bund	$= (0.50 + 2.60) \times 0.70 / 2$ $= 1.085 \text{ m}^2$
Length of bund	$= 100 s / V.I.$ $= 100 \times 1 / 0.70$ $= 142.85 \text{ m/ha}$ <b>Say 150 m/ha</b>
Earth work/ha	$= 150 \times 1.085$ $= 162.75 \text{ cum}$
Cost Rs. / ha	$= 162.75 \times 39.16 = 6373.29$ <b>Say 6375.00</b>

## DESIGN OF SUBMERGENCE BUND

Types of soil – -Loam, Sandy Loam

Rainfall intensity for 24 hrs – 10cm

Field slope 3%

$$V.I. = [s/3+2] \times 0.30$$

$$= 0.90 \text{ m}$$

$$\text{Horizontal Interval} = (100 \times V.I.) / s$$

$$= (100 \times 0.90) / 3$$

$$= 30 \text{ m}$$

$$\text{Height of bund } h = \sqrt{(Re \times V.I.) / 50}$$

$$= \sqrt{(10 \times 0.90) / 50} = \sqrt{0.18} = 0.42 \text{ m. Say } \mathbf{0.4m}$$

Free board 20% of height minimum 20cm

Total Height

$$= 0.90 \text{ m}$$

Taking top width of bund 0.70m and side slope 1.5:1

Bottom of bund

$$= 0.70 + 2 \times 1.5d$$

$$= 0.70 + 2.70$$

$$= 3.40$$

Cross Section of Submergence Bund

$$= (0.50 + 3.40) \times 1.00 / 2$$

$$= 2.00 \text{ m}^2$$

Length of bund

$$= 100 \text{ s} / V.I.$$

$$= (100 \times 3) / 0.90$$

$$= 333 \text{ m}$$

Feasible length

$$100 + 25 + 25$$

$$= 150 \text{ m}$$

Earth work/ha

$$= 150 \times 1.845$$

$$= 276.75$$

Cost per ha

$$= 276.75 \times 39.16$$

$$= 10,837.53$$

$$\mathbf{\text{Say } 10,850=00}$$

### **TYPICAL SECTION OF FIELD BUND**

Top width	= 0.50 m
Side slope	= 1:1
Height of bound	= 0.50 m
Bottom Width	= 1.50 m
Cross section	= $(0.50+1.50) \times 0.50 / 2 = 0.50 \text{ m}^2$
Length per hectare	= 200 m
Earthwork	= $200 \times 0.50 = 100 \text{ cum}$
Cost 39.16/cum	= Rs. 3916.00
Cost per hectare	= Rs. 3916.00

### **TYPICAL SECTION OF P.B., M.B.**

Top width	= 0.70 m
Side slope	= 1.5:1
Height	= 1.30 m
Bottom	= 4.60 m
Cross section	= $(0.70+4.60) \times 1.30 / 2$ = $3.60 \text{ m}^2$
Cost/ meter	= Rs. 142.00



### **TYPICAL SECTION OF EARTHEN CHECK DAM / GULLY PLUG**

Top width	= 1.50 m
Side slope	= 2:1
Height	= 2.10m
Bottom Width	= 9.90 m
Cross section	$= (1.50 + 9.90) \times 2.10 / 2$ $= 11.97 \text{ m}^2$
Cost per meter	= Rs. 551.45

### **TYPICAL SECTION OF CHECK DAM / GULLY PLUG**

Top width	= 2.00m
Side slope	= 2:1
Height	= 2.50 m
Bottom Width	= 12.00 m
Cross Section	$= (2.00 + 12.00) \times 2.50 / 2$ $= 17.50 \text{ m}^2$
Cost /meter	= Rs. 839.12

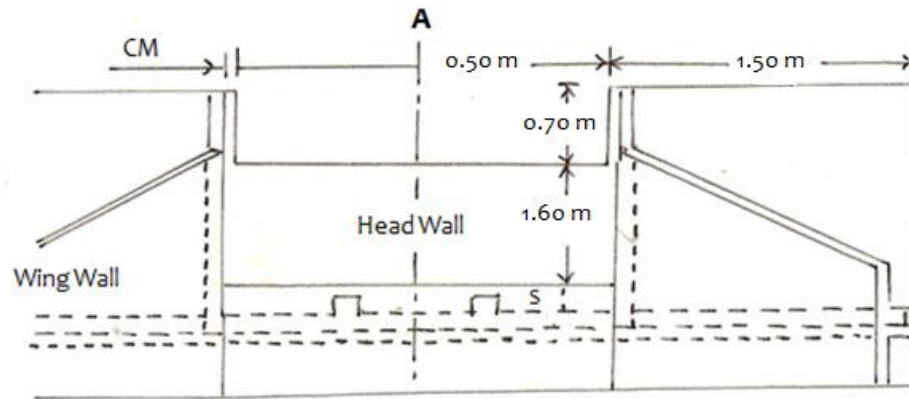
## TYPICAL SECTION OF W.H.B.

Top width	= 2.50 m
Side slope	= 2:1
Height	= 2.75 m
Bottom Width	= 13.50 m
Cross section	$= (2.50 + 13.50) \times 2.75 / 2$ $= 22.00 \text{ m}^2$
Per meter cost	= Rs. 1085.92

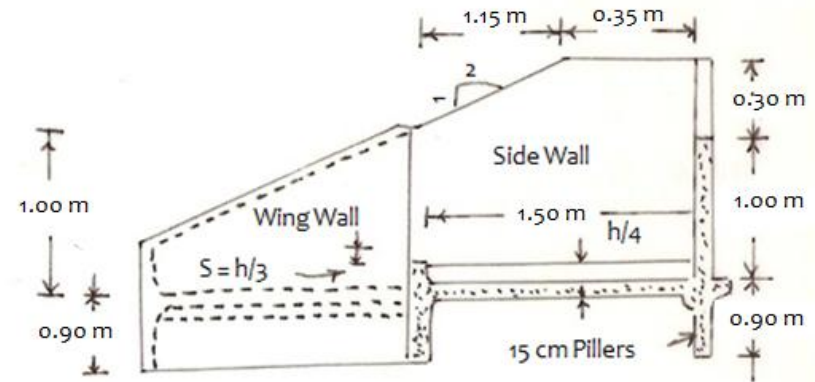
## DRAWING OF SPILLWAY OF CREST LENGTH 0.5 m

All Dimensions in Meter

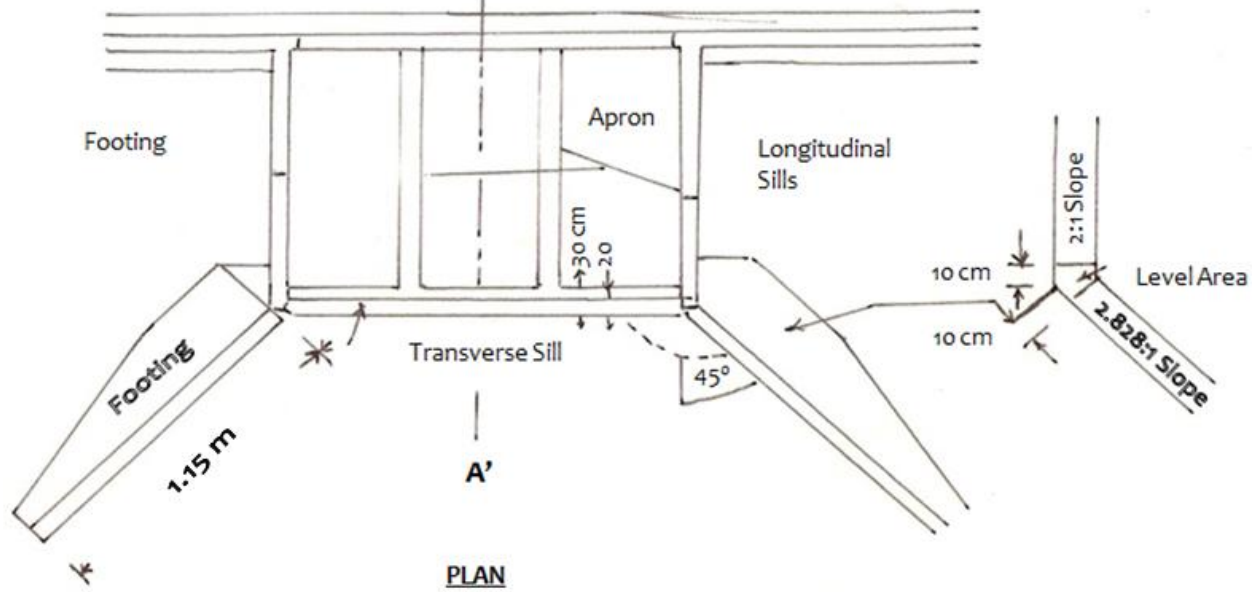
Not to



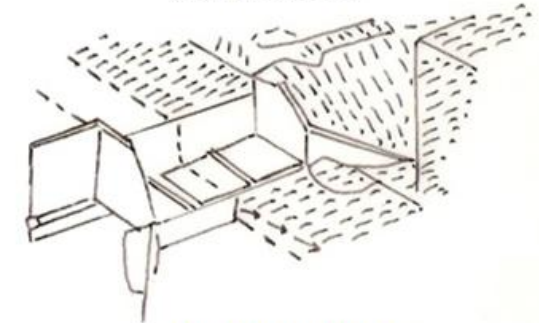
DOWN STREAM ELEVATION



SECTION ON A-A'



PLAN



PERSPECTIVE VIEW

Design of Drop Spillway to be constructed at a place in a gully having width of 1.0 m and catchment area 1.00 ha and net drop 0.50 m Taking rainfall intensity for duration equal to time of concentration of watershed and design return period of 25 years , as 120mm/hr. The coefficient of runoff for the watershed is 0.3.

**1. Hydrologic design-** The design peak runoff rate ( $\text{m}^3/\text{s}$ ) for the watershed from Rational formula is

given as:

$$Q = \frac{C.I.A.}{360} = \frac{0.3 \times 120 \times 1.00}{360} = \frac{36}{360} = 0.10 \text{ cum/second}$$

**2. Hydraulic design-** The maximum discharge capacity of the rectangular weir given by

$$Q = \frac{1.711 L H^{3/2}}{(1.1 + 0.01 F)}$$

To find suitable value of L & H

Let us assume  $L = 0.50 \text{ m}$  (since width of gulley is 1.00 m)

$$0.10 = \frac{1.711 L H^{3/2}}{(1.10 + 0.01 \times 0.5)} = \frac{1.711 L H^{3/2}}{(1.105)}$$

$$L H^{3/2} = \frac{1.105 \times 0.10}{1.711} = \frac{0.1105}{1.711} = 0.064$$

$$H^{3/2} = \frac{0.064}{0.50} = 0.128$$

$$H = (0.128)^{2/3} = 0.25 \text{ m}$$

$$\text{Test: } L/h = \frac{0.50}{0.25} = 2.0 \geq 2.0 \text{ hence O.K.}$$

$$h/f = \frac{0.25}{0.50} = 0.50 \leq 0.5 \text{ hence O.K.}$$

### 3. Structural design –

1- Minimum headwall extension,  $E = (3h + 0.6)$  or  $1.5 f$  whichever is greater

$$E = 3 \times 0.5 + 0.6 \text{ or } 1.5 \times 0.50$$

$$E = 2.10 \text{ m or } 0.75 \text{ m}$$

Adopted 2.10 m

$$2- \text{Length of apron basin } L_B = f (2.28 h/f + 0.54) = 0.50 (2.20 \times \frac{0.5}{0.5} + 0.54)$$

$$= 0.50 \times 2.74 = 1.37 \text{ m says } 1.40 \text{ m}$$

$$3- \text{Height of end sill, } S = \frac{h}{3} = \frac{0.50}{3} = 0.16 \text{ m says } 0.20 \text{ m}$$

4- Height of wing wall and side wall at Junction :

$$\begin{aligned} J &= 2h \text{ or } [f + h + S - (L_B + 0.10)/2] \text{ whichever is greater} \\ &= 2 \times 0.50 \text{ or } [0.50 + 0.50 + 0.16 - (1.37 + 0.10)/2] \\ &= 1.0 \text{ or } [1.16 - 0.735] \end{aligned}$$

$$= 1.0 \text{ or } 0.425$$

$$\text{adopt } J = 1.00 \text{ m}$$

$$\begin{aligned} 5- \quad M &= 2 (f + 1.33 h - J) = 2 (0.50 + 1.33 \times 0.25 - 1.00) \\ &= 2 \times (-0.167) = -0.335 \text{ m} \end{aligned}$$

$$\begin{aligned} 6- \quad K &= (L_B + 0.1) - M = (1.37 + 0.1) - 0.335 \\ &= 1.47 - 0.335 \\ &= 1.135 \text{ m} \end{aligned}$$

Toe and cut off walls

$$\begin{aligned} \text{Normal scour depth (N S D)} &= 0.473 \times (Q/f)^{1/3} \\ &= 0.473 \times (0.1/1)^{1/3} \\ &= 0.473 \times 0.464 \\ &= 0.219 \end{aligned}$$

$$\begin{aligned} \text{Maximum Scour depth (M S D)} &= 1.5 \times \text{N S D} \\ &= 1.5 \times 0.219 \\ &= 0.328 \text{ m} \\ &\text{says } 0.35 \text{ m} \end{aligned}$$

$$\text{Depth of cutoff /Toe wall} = 0.35 \text{ m}$$

**Apron thickness:** For an over fall of 0.5 m. The Apron thickness in concrete construction is 0.20 m since the structure is constructed in masonry; the Apron thickness will be  $0.20 \times 1.50 = 0.30$  m

**Wall thickness:** The thickness of different wall of the structure (masonry construction) is given below:

Description	Thickness of wall	
	Top width	Bottom width
Head wall	0.40	1.00
Side wall	0.30	0.80
Wing wall and head wall extension	0.30	0.60

# **CHAPTER -11**

## **MAPS**



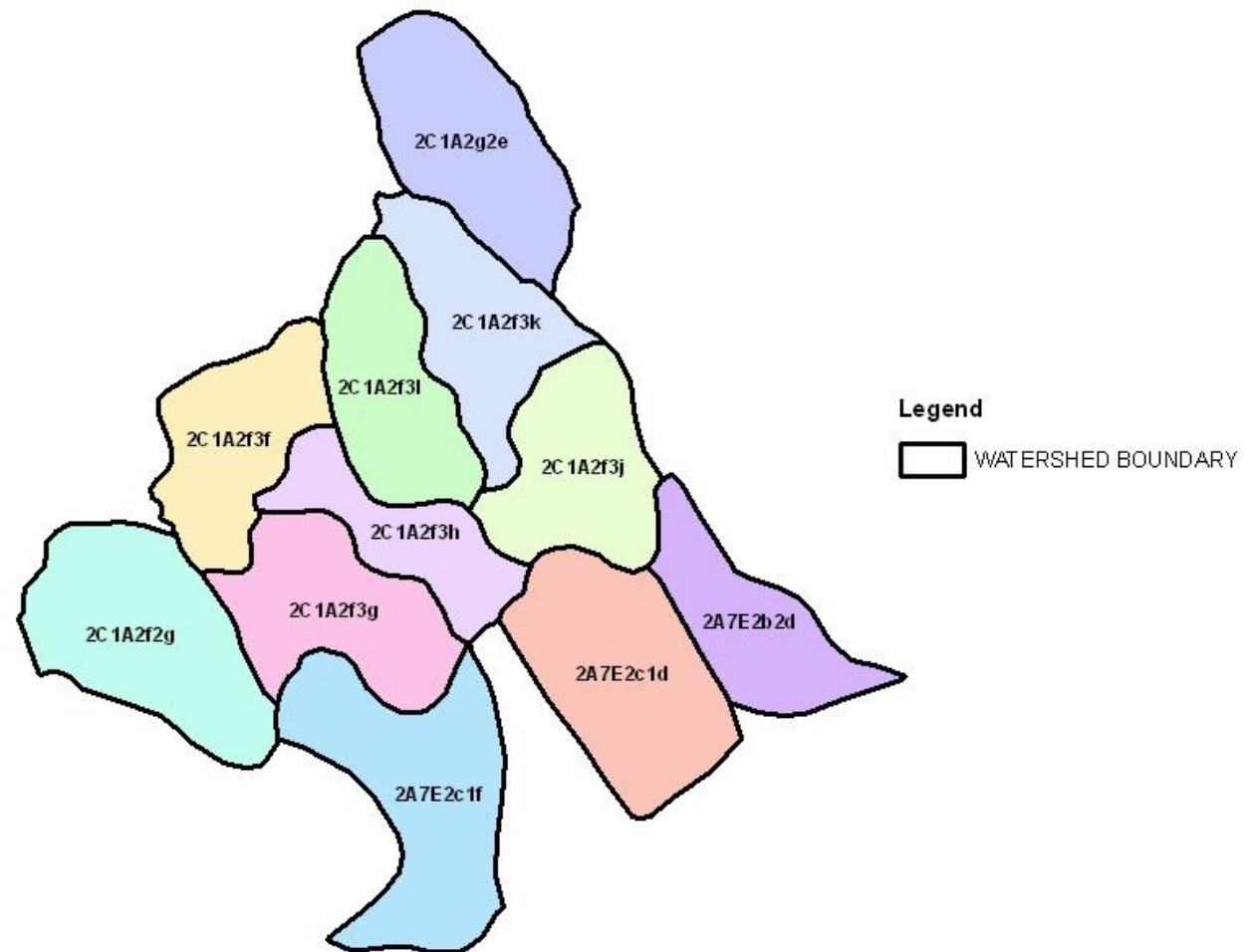
# MAPS

An attempt has been to map the surface details of the project area, as per the instruction of the common Guide lines-2008, All the thematic maps of the study area have been prepared through using remote sensing and geographical information system(G.I.S.) technique, following the fundamental norms of the National Map Policy-2006. The details of the thematic maps have been given below.

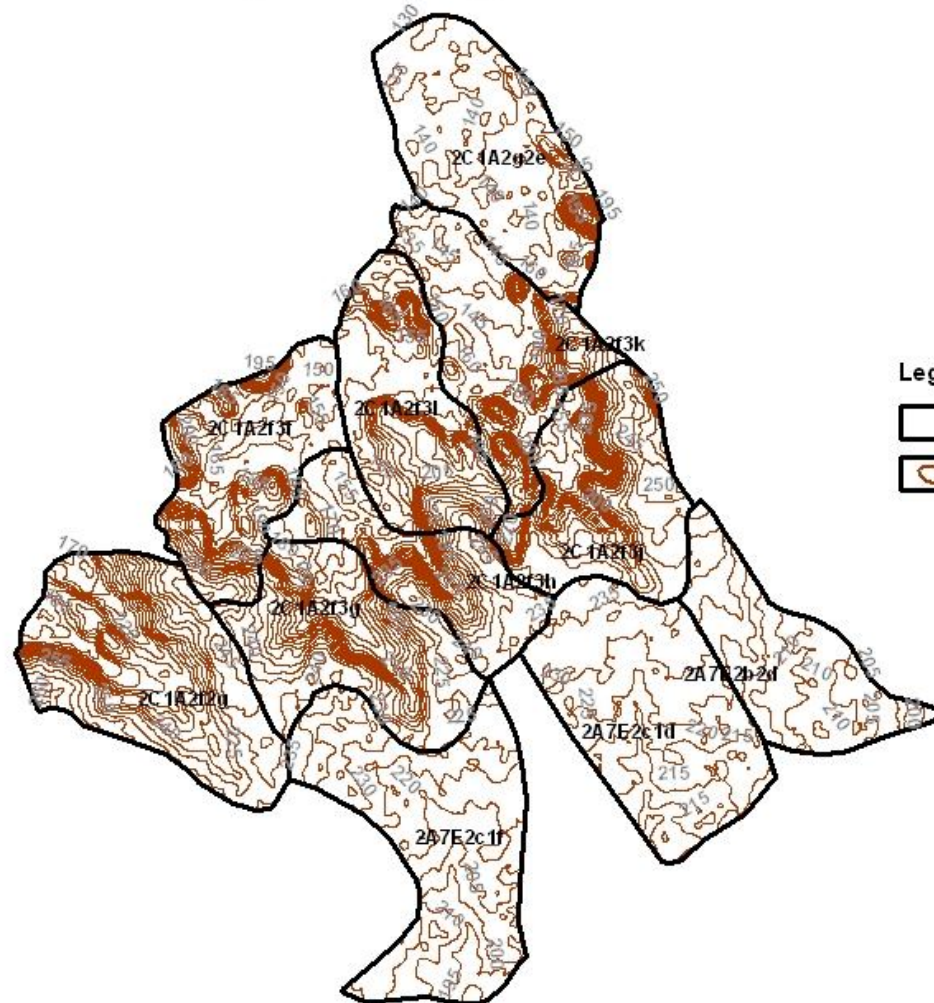
1. Project Area Map
2. Cadastral Map
3. Contour Map
4. Drainage Map
5. LCC Map
6. Land use/ Land cover Map
7. Slope Map
8. Soil Depth Map
9. Soil Erosion Map
10. Action Plan viz. Kota Kandaila / 2A7E2b2d, Uchadeeh / 2A7E2c1d, Chureh Kaserua I/ 2A7E2c1f, Chureh Kaserua II / 2C1A2f2g, Garhchapa I / 2C1A2f3f, Garhchapa II / 2C1A2f3h, Garhchapa III / 2C1A2f3g, Gauriya I / 2C1A2f3j, Gauriya II / 2C1A2f3k, Garhchapa IV / 2C1A2f3l, Gauriya III / 2C1A2g2e

Action Plan- These maps were interpreted from the high resolution satellite data freely available on internet.

**THE PROJECT AREA**  
**IVMP - X (2011 - 2012), DISTRICT - CHITRAKOOT**



# CONTOUR MAP OF THE PROJECT AREA IWMP - X (2011 - 2012), DISTRICT - CHITRAKOOT



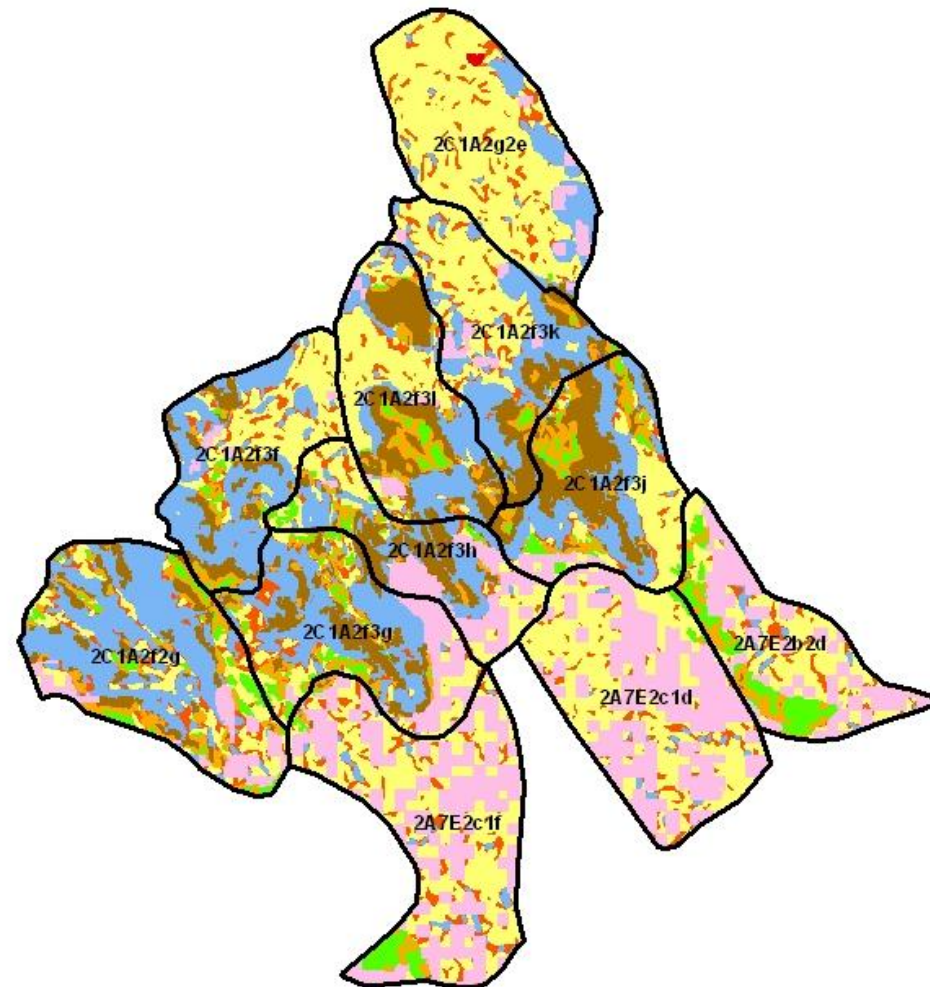
## Legend

- WATERSHED BOUNDARY
- CONTOUR AT 5m INTERVAL

0 1,350 2,700 5,400 8,100 10,800 Meters

SOURCE: SRTM DEM

# LAND CAPABILITY CLASS MAP OF THE PROJECT AREA IWMP - X (2011 - 2012), DISTRICT - CHITRAKOOT



## Legend

- WATERSHED BOUNDARY
- SETTLEMENT

## LAND CAPABILITY CLASS

- II
- III
- IV
- V
- VI
- VII
- VIII



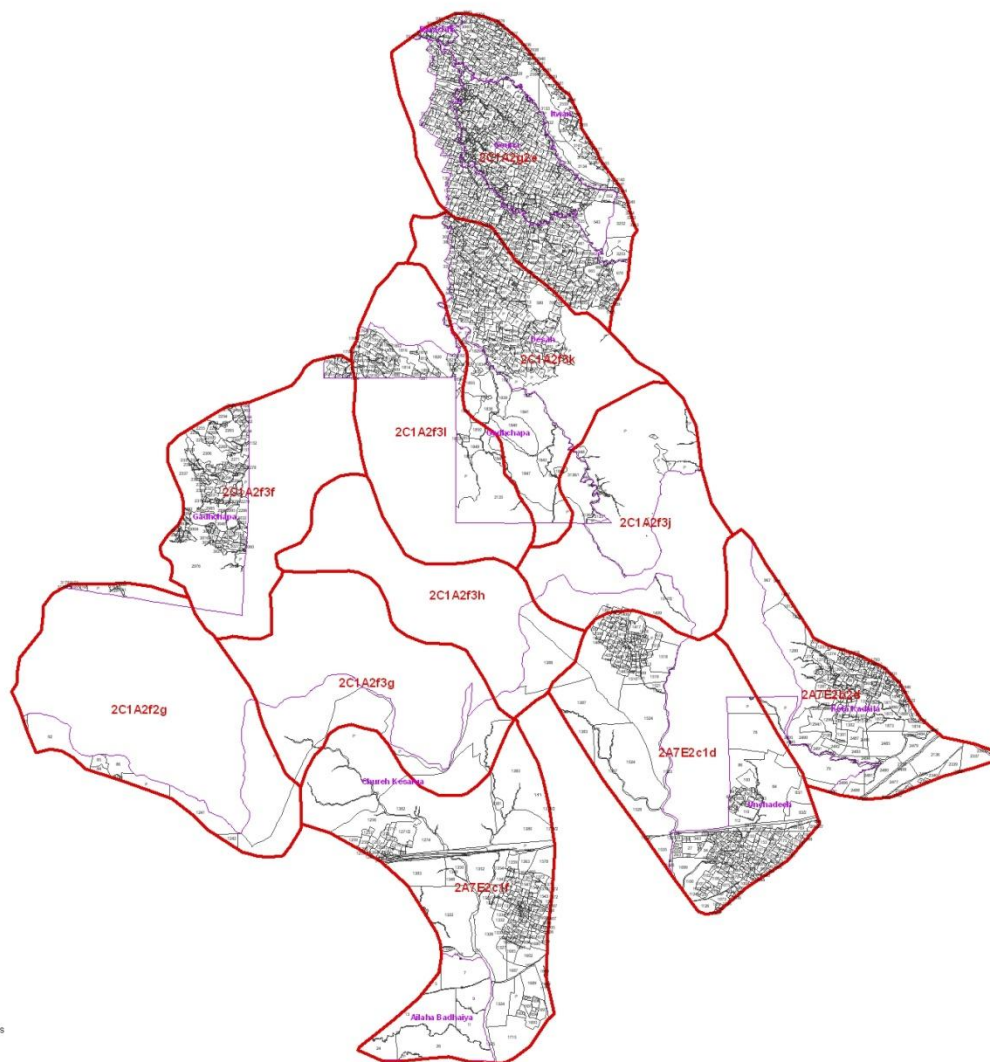
# CADASTRAL MAP OF THE PROJECT AREA, IWMP - X (2011 - 2012), DISTRICT - CHITRAKOOT



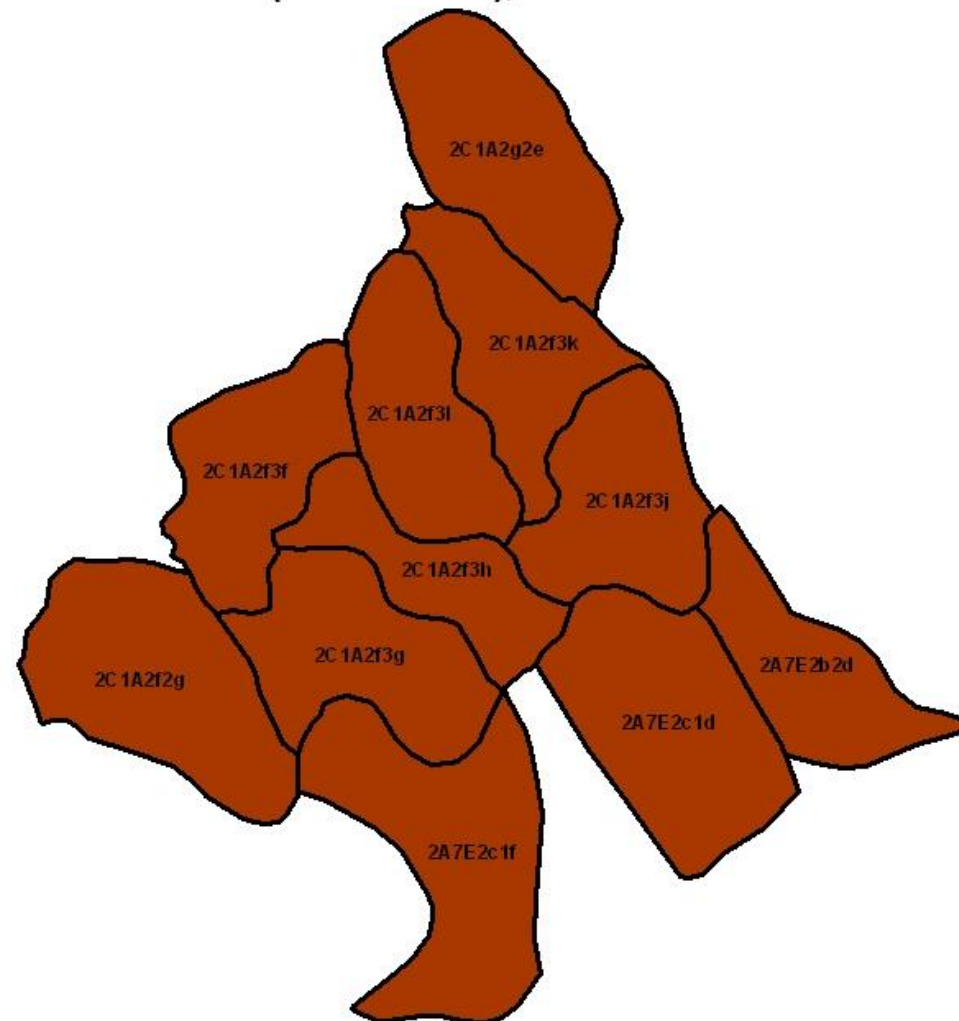
## Legend

- Micro Watershed Boundary
- Cadastral Plots

0 385 770 1,540 2,310 3,080 Meters




**SOIL DEPTH MAP OF THE PROJECT AREA  
IWMP - X (2011 - 2012), DISTRICT - CHITRAKOOT**



**Legend**

 WATERSHED BOUNDARY

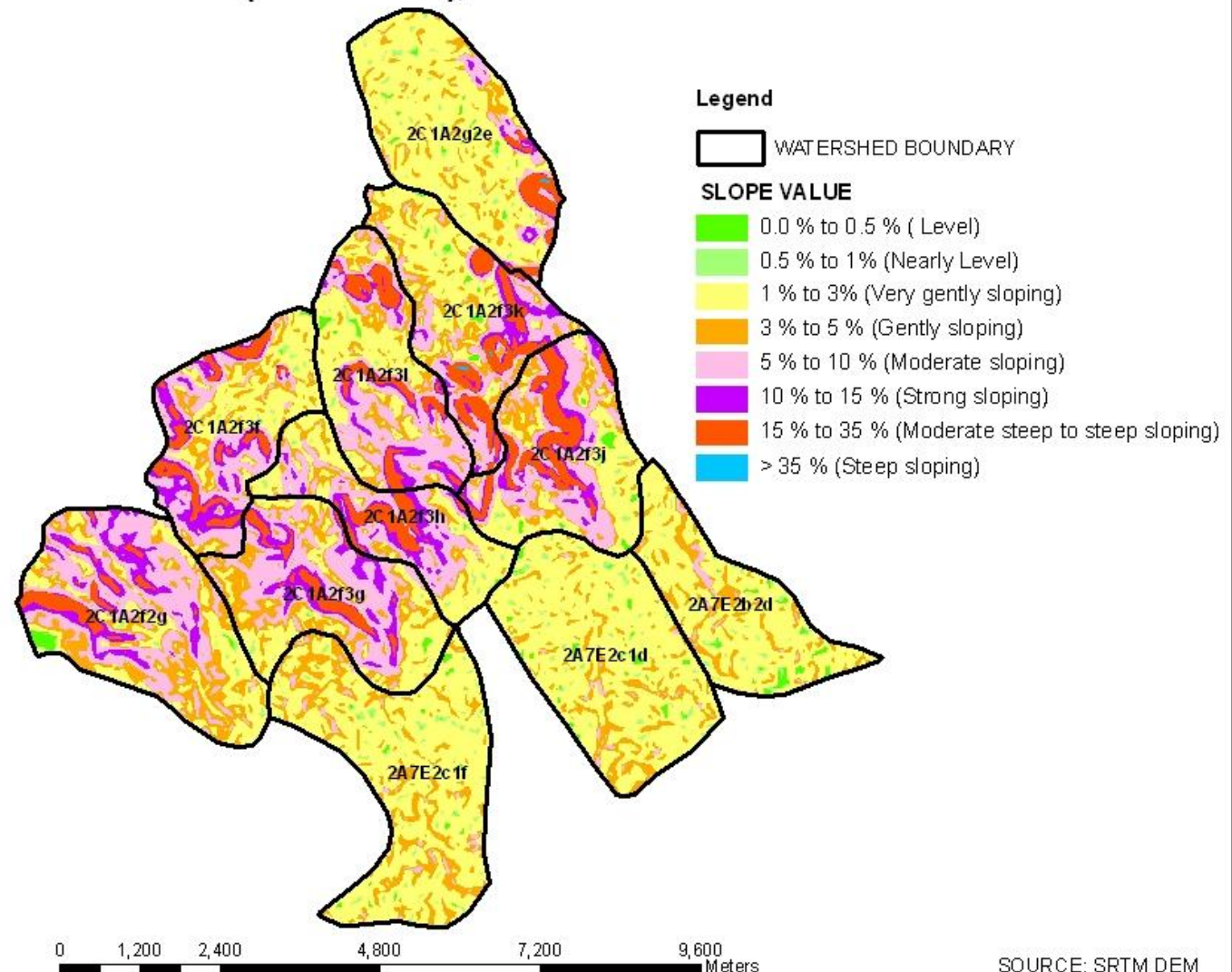
**SOIL DEPTH TYPE**

 MOD. SHALLOW

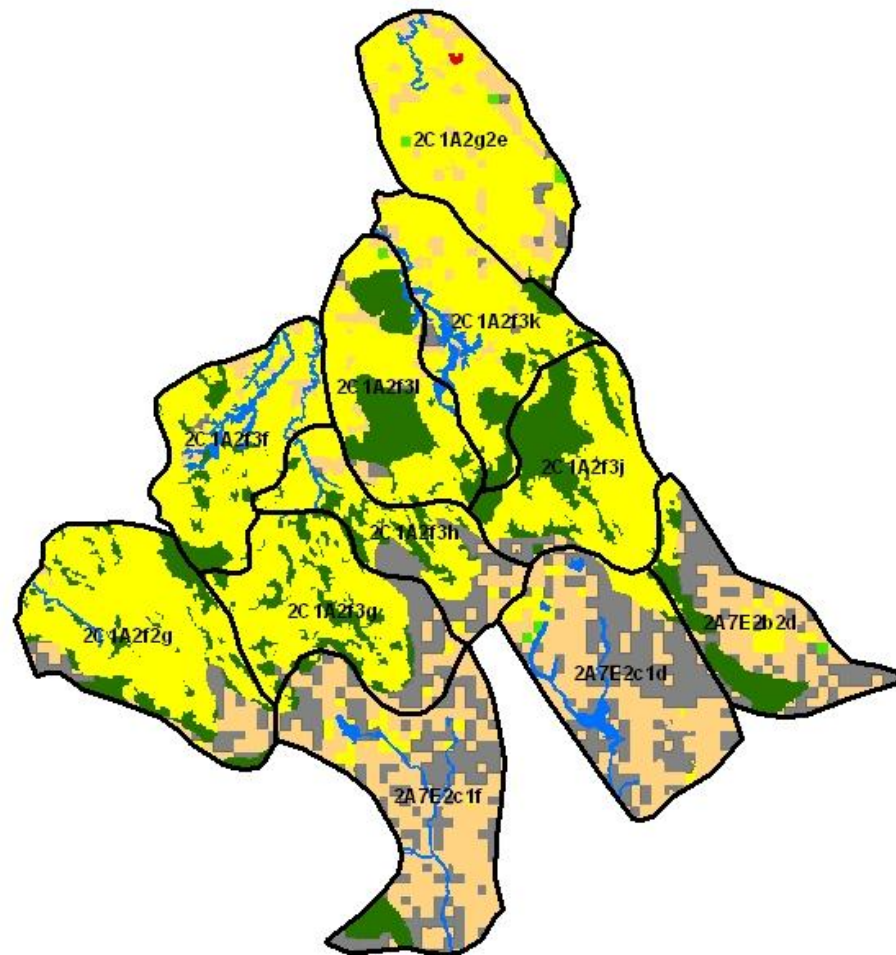
0 1,250 2,500 5,000 7,500 10,000 Meters



# **SLOPE MAP OF THE PROJECT AREA** **IWMP - X (2011 - 2012), DISTRICT - CHITRAKOOT**



# LANDUSE/LANDCOVER MAP OF THE PROJECT AREA IWMP - X (2011 - 2012), DISTRICT - CHITRAKOOT




## Legend

 WATERSHED BOUNDARY

## LANDUSE/LANDCOVER TYPE

 Barren Rocky/Stony waste

 Settlement

 Agriculture Land

 Forest

 Fallow Land

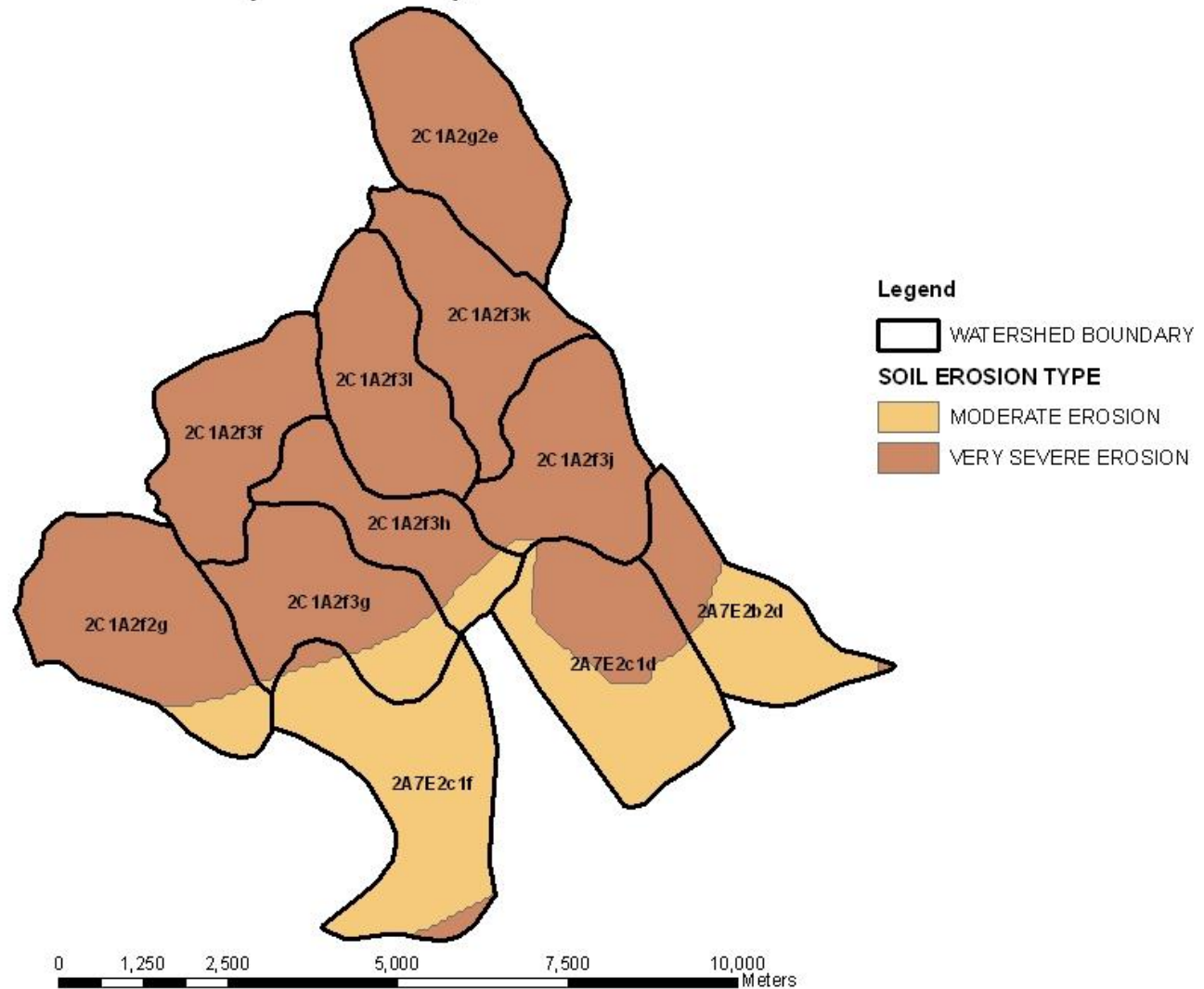
 Plantation

0 1,250 2,500 5,000 7,500 10,000  
Meters

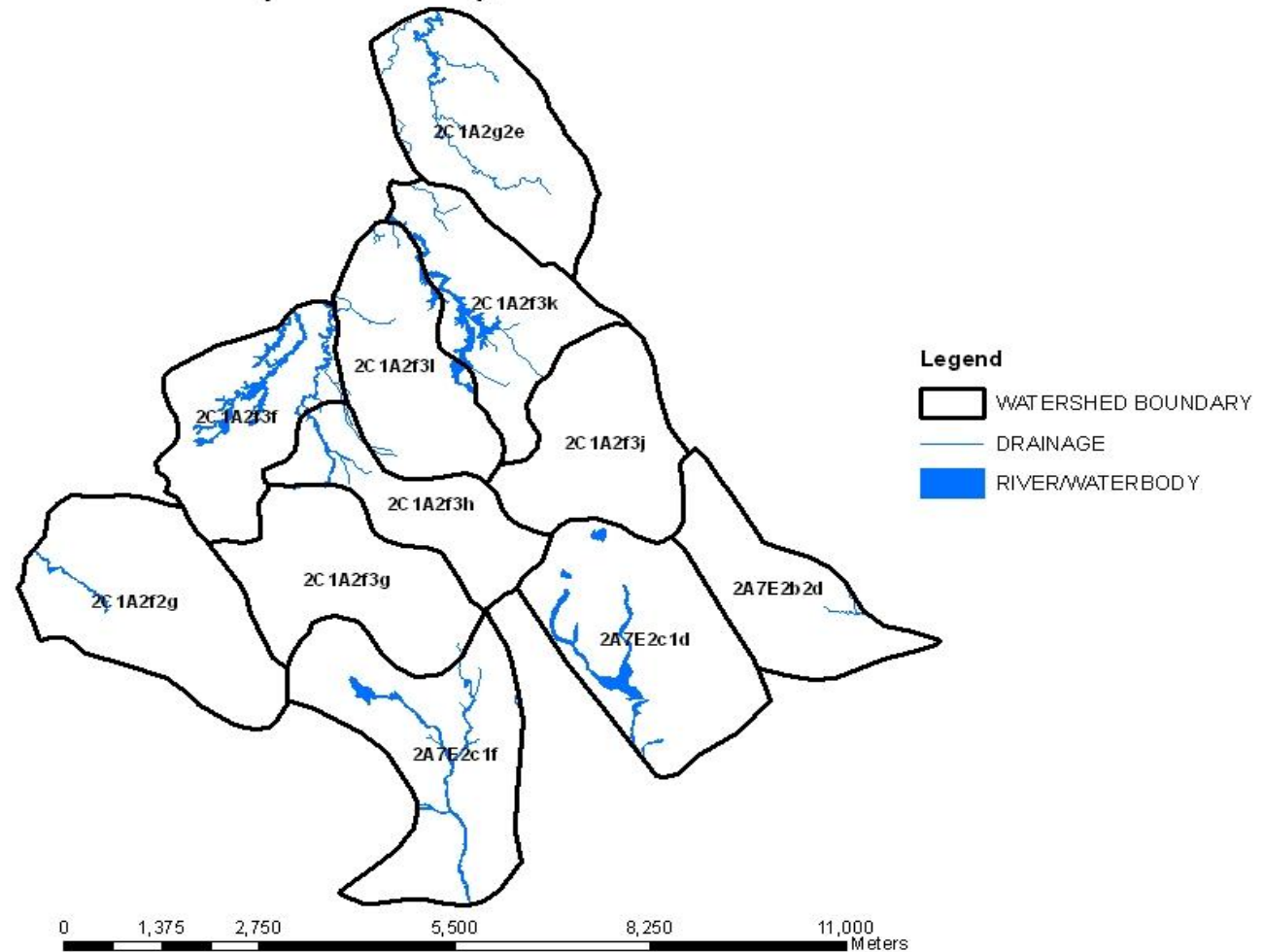
SOURCE: AS INTERPRETED FROM SATELLITE DATA

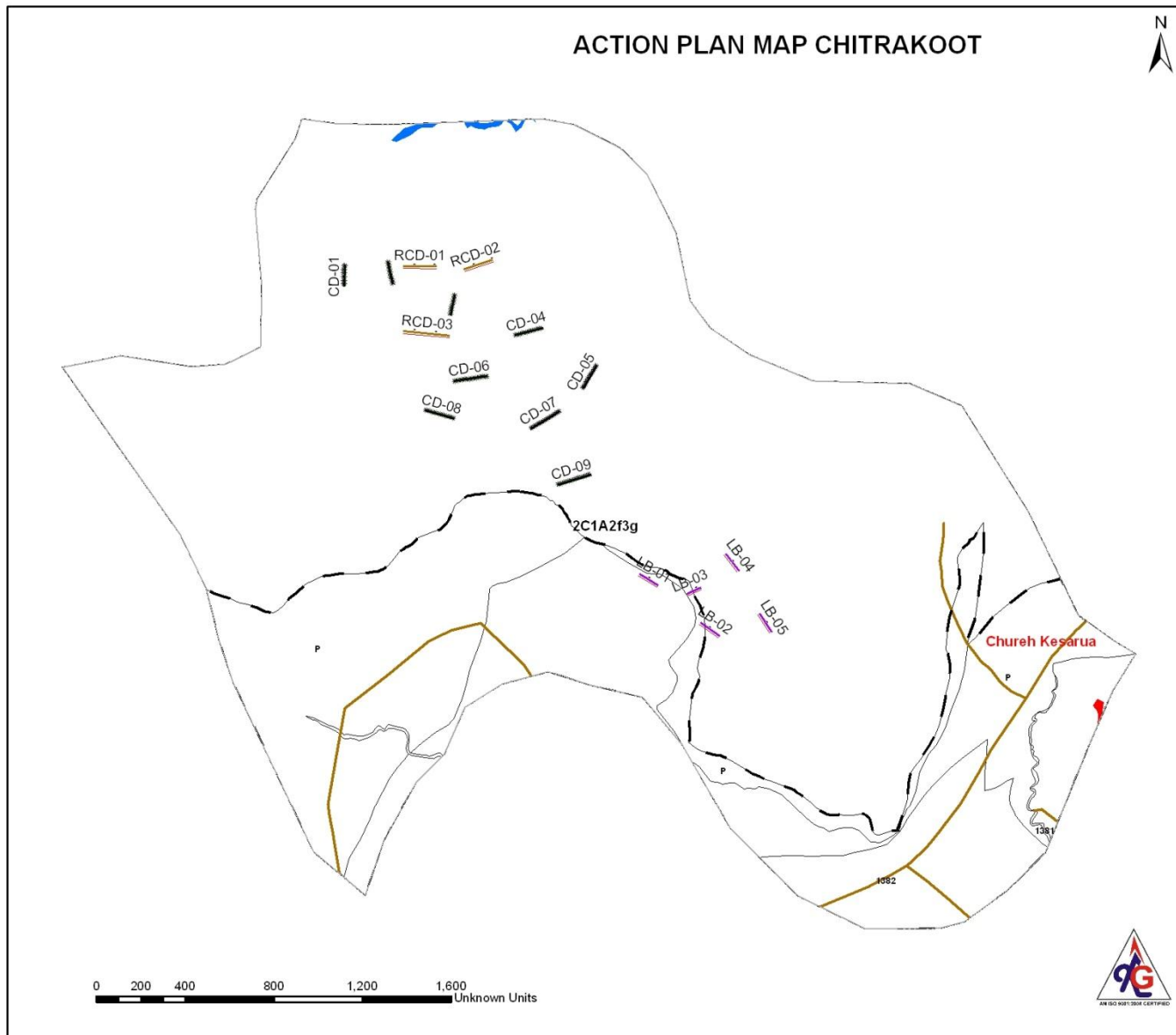


# SOIL EROSION MAP OF THE PROJECT AREA IWMP - X (2011 - 2012), DISTRICT - CHITRAKOOT



# DRAINAGE/WATER MAP OF THE PROJECT AREA IWMP - X (2011 - 2012), DISTRICT - CHITRAKOOT



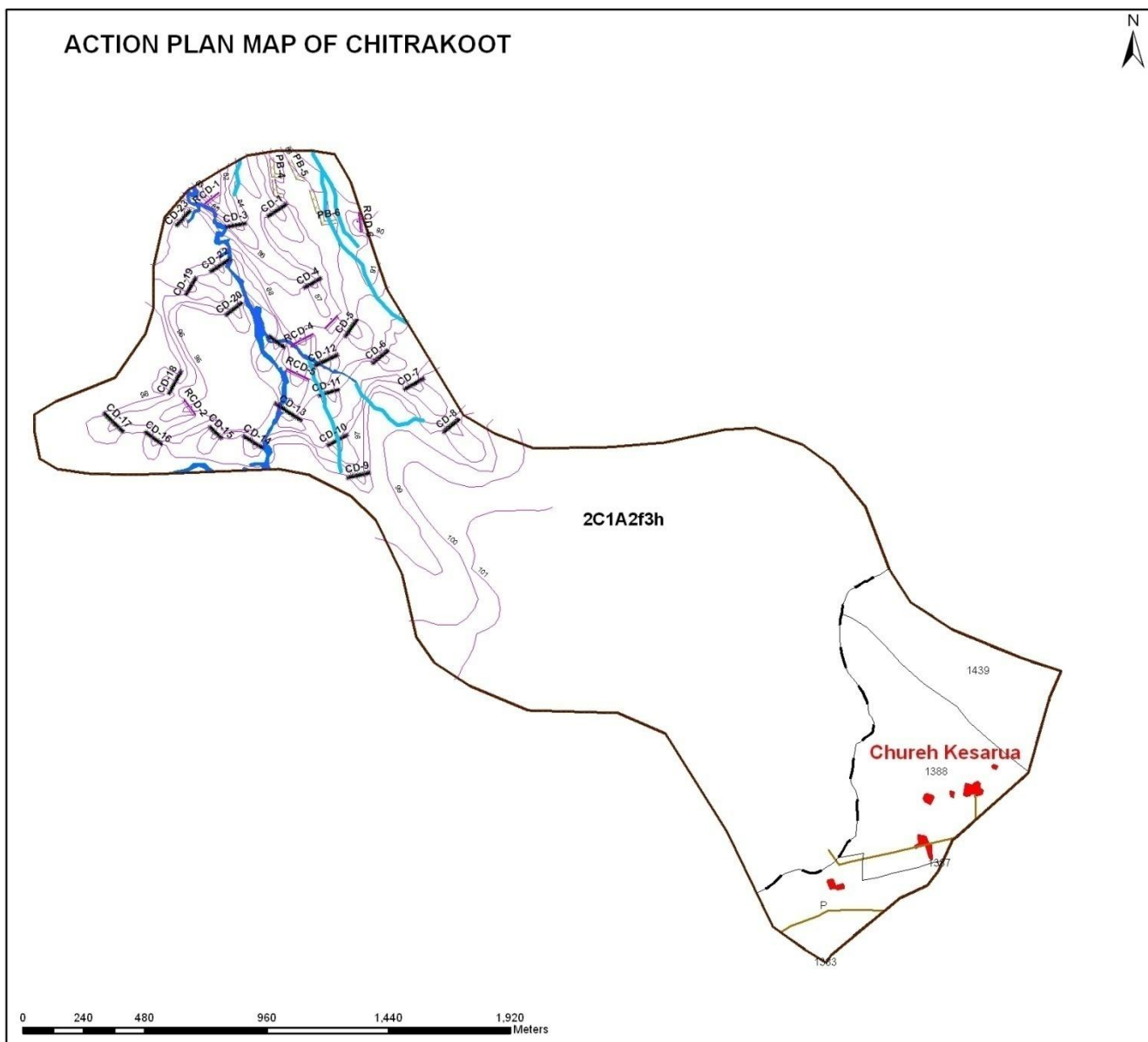


**ACTION PLAN MAP**  
**Project Name X (2011-2012)**  
**District Name - Chitrakoot**  
**WS Code - 2C1A2f3g**

VILLAGE NAME	AREA (ha.)
Chureh Kesarua	212.527

#### Legend

- Watershed Boundary
- Village Boundary
- Cadastral
- Loose bolder
- Recharging chek dam
- check dam
- river
- settlement
- road



**ACTION PLAN MAP OF CHITRAKOOT**

Project Name: IWMP-X (2011-12)  
District Name: Chitrakoot  
Code: 2C1A2f3h  
Total Area: 439.363 ha.

Village Name	Area(ha.)
Chureh Kesarua	78.217

**Legend**

- Watershed Boundary
- Village Boundary
- River water body
- cadastral plots
- Contour
- settlement
- Peripheral bund
- Check dam
- Recharging check dam
- Drain
- Road

# ACTION PLAN MAP OF CHITRAKOOT



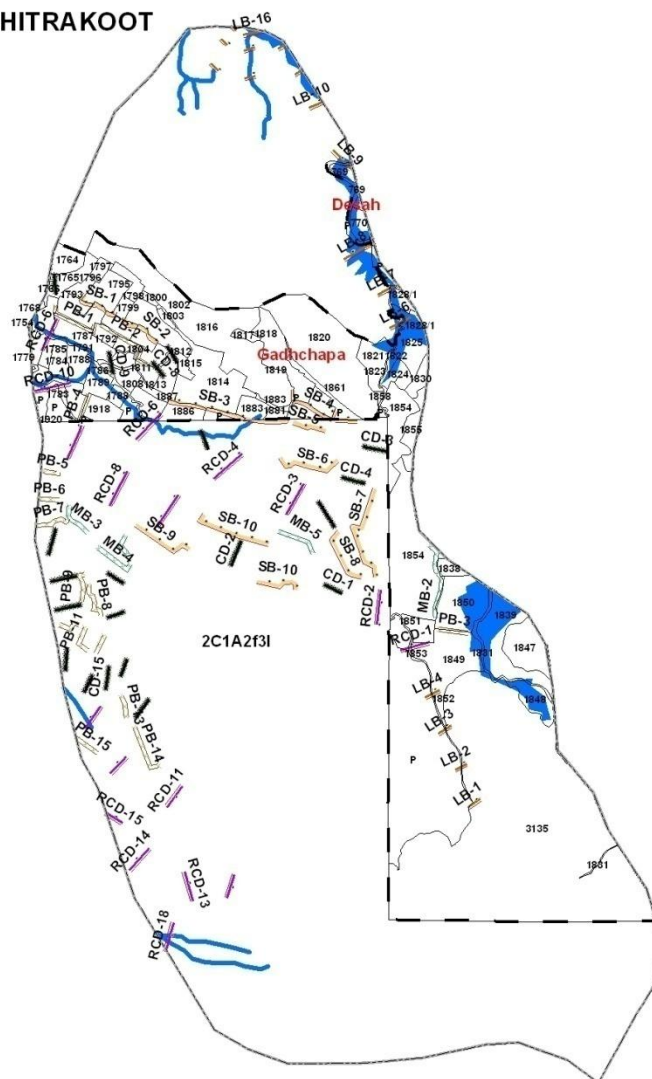
## ACTION PLAN MAP OF CHITRAKOOT

Project Name: IWMP-X (2011-12)

District Name: Chitrakoot

Code: 2C1A2f3I

Total Area:580.864 ha.

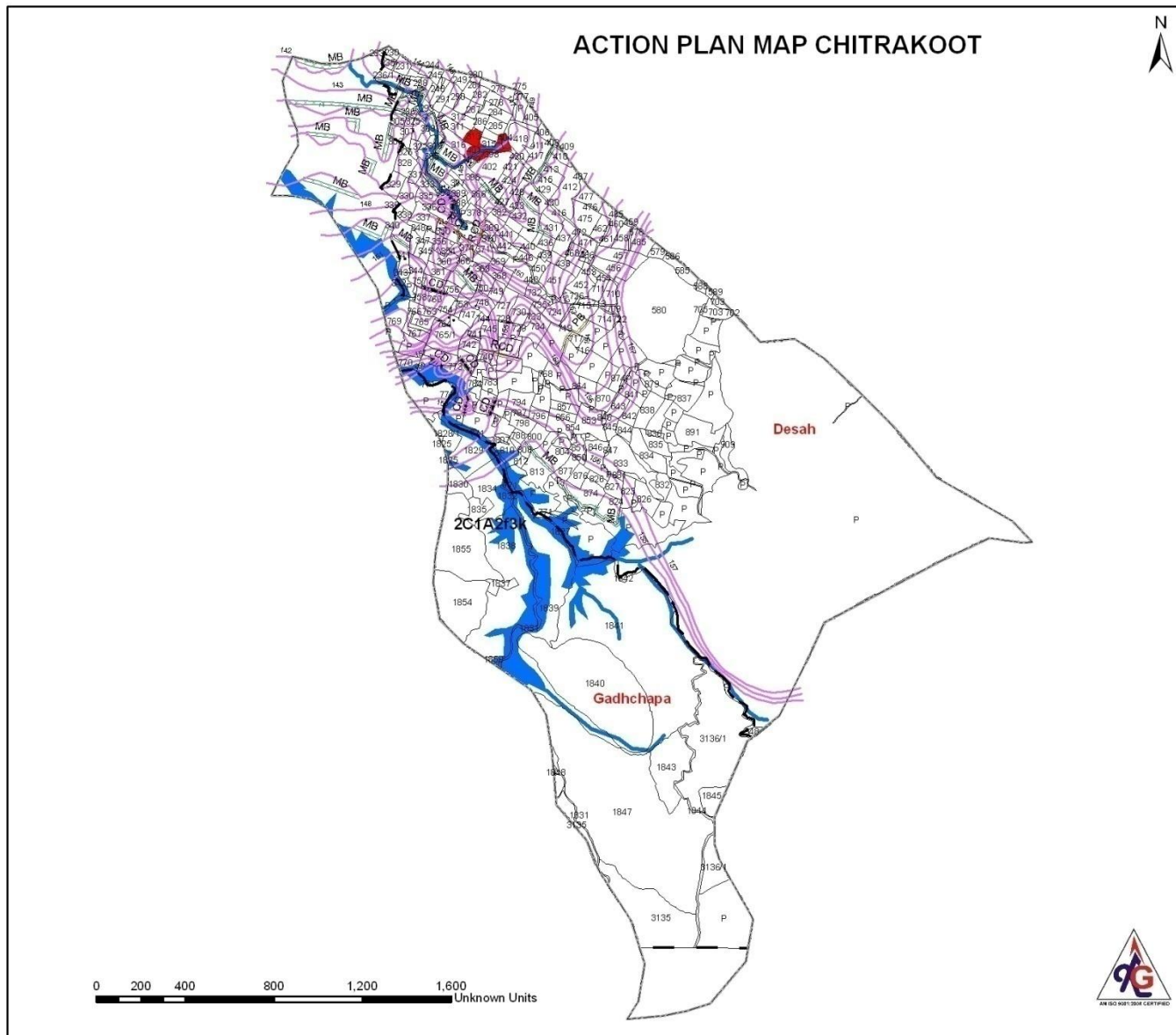


VILLAGE NAME	AREA (HA.)
Desah	1.908
Gadhchapa	173.463
<b>TOTAL AREA</b>	<b>175.371</b>

### Legend

- CADASTRAL
- WATERSHED BOUNDARY
- VILLAGE BOUNDARY
- CHECK DAM
- LOOSE BOLDER
- MARGINAL BUND
- PERIPHERAL BUND
- RECHARGING BUND
- SUB MARGINAL BUND
- DRAIN
- RIVER WB





**ACTION PLAN MAP**  
**Project Name X (2011-2012)**  
**District Name - Chitrakoot**  
**WS Code - 2C1A2f3k**  
**Total Area - 578.575**

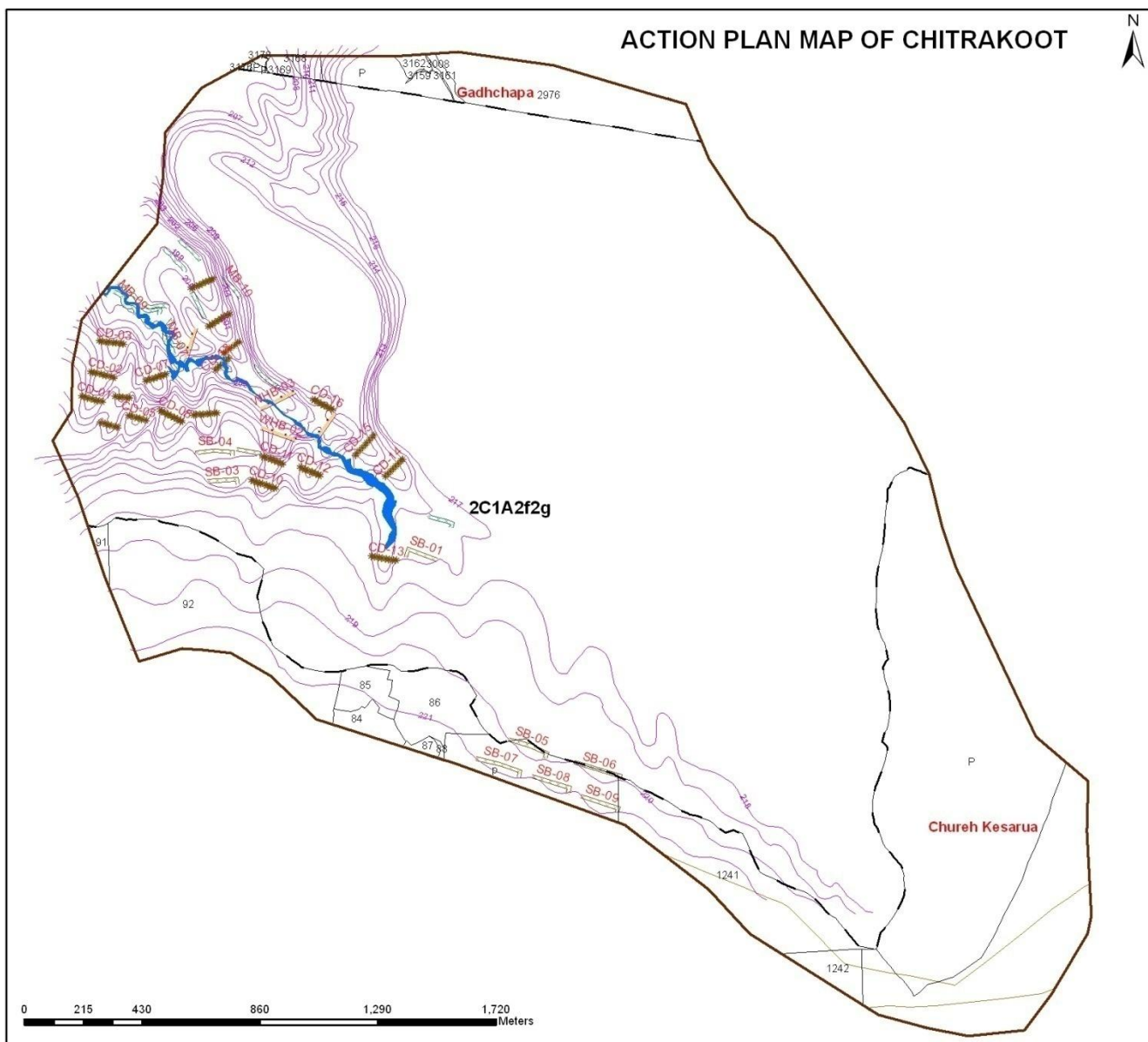
VILLAGE NAME	AREA(ha.)
Desah	363.517
Gadhchapa	164.968
<b>TOTAL AREA</b>	<b>528.485</b>

#### Legend

- Watershed Boundary
- Village Boundary
- Cadastral
- Check Dam
- Marginal Bund
- Recharging Check Dam
- Peripheral Bund
- river
- drain
- settlement
- Contour







# **ACTION PLAN MAP OF CHITRAKOOT**

Project Name: IWMP-X (2011-12)  
District Name: Chitrakoot  
Code: 2C1A2f2g  
Total Area: 805.617 ha.

Village Name	Area(ha.)
Chureh Kesarua	181.176
Gadchhapa	23.018
<b>Total area</b>	<b>204.194</b>

## **Legend**

- Watershed Boundary
- Village Boundary
- River water body
- cadastral plots
- Contour
- Contour Bund
- Marginal Bound
- Sub Marginal Bund
- Water Harvasting Bund
- Road

# ACTION PLAN MAP CHITRAKOOT



**ACTION PLAN MAP**  
**Project Name X (2011-2012)**  
**District Name - Chitrakoot**  
**WS Code - 2C1A2f3j**  
**Total Area - 601.383**



VILLAGE NAME	AREA(ha.)
Chureh Kesarua	83.265
Desah	246.573
Gadhchapa	32.781
<b>TOTAL</b>	<b>362.620</b>

## Legend

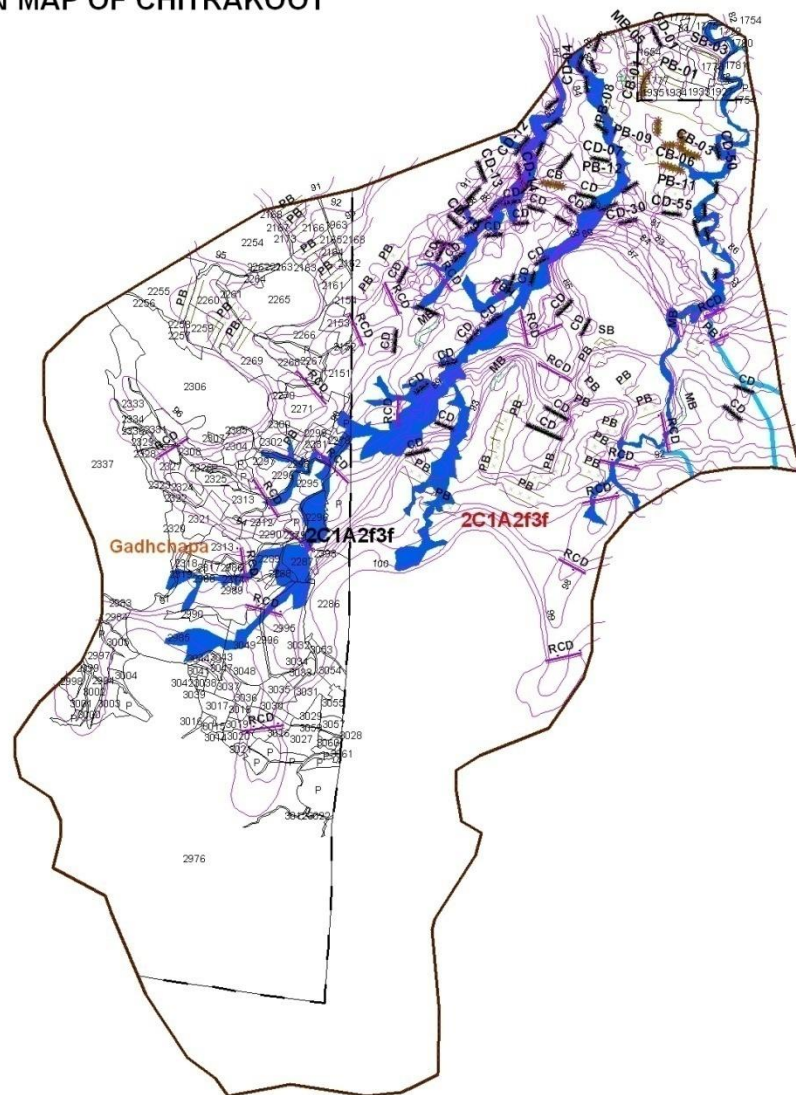
- Watershed Boundary
- Village Boundary
- Cadastral
- Check Dam
- Marginal Bund
- Recharging Check Dam
- Contour
- road

0 195 390 780 1,170 1,560  
 Unknown Units





# ACTION PLAN MAP OF CHITRAKOOT



## ACTION PLAN MAP OF CHITRAKOOT

Project Name: IWMP-X (2011-12)  
District Name: Chitrakoot  
Code: 2C1A2f3f  
Total Area: 570.516 ha.

Village Name	Area(ha.)
Gadhchapa	248.787
<b>Total Area</b>	<b>248.787</b>

## Legend

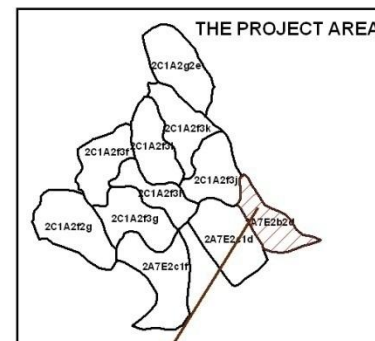
- Watershed Boundary
- Village Boundary
- River water body
- cadastral plots
- Contour
- Contour Bund
- Marginal Bound
- Sub Marginal Bund
- Water Harvasting Bund
- Peripheral bund
- Check dam
- Recharging check dam
- Drain
- Road

# ACTION PLAN MAP OF CHITRAKOOT



## ACTION PLAN MAP OF CHITRAKOOT

Project Name: IWMP-X (2011-12)  
District Name: Chitrakoot  
Code: 2A7E2b2d  
Total Area: 501.434 ha.



2A7E2b2d

Kota Kadaila

0 100 200 400 600 800 Meters

## Legend

- Watershed Boundary
- Village Boundary
- Contour 1M
- Cadastral Plot
- Check Dam
- Marginal Bund
- Peripheral Bund
- Recharging Check Dam
- Sub Marginal Bund
- Road
- Drainage
- Settlement



# ACTION PLAN MAP OF CHITRAKOOT



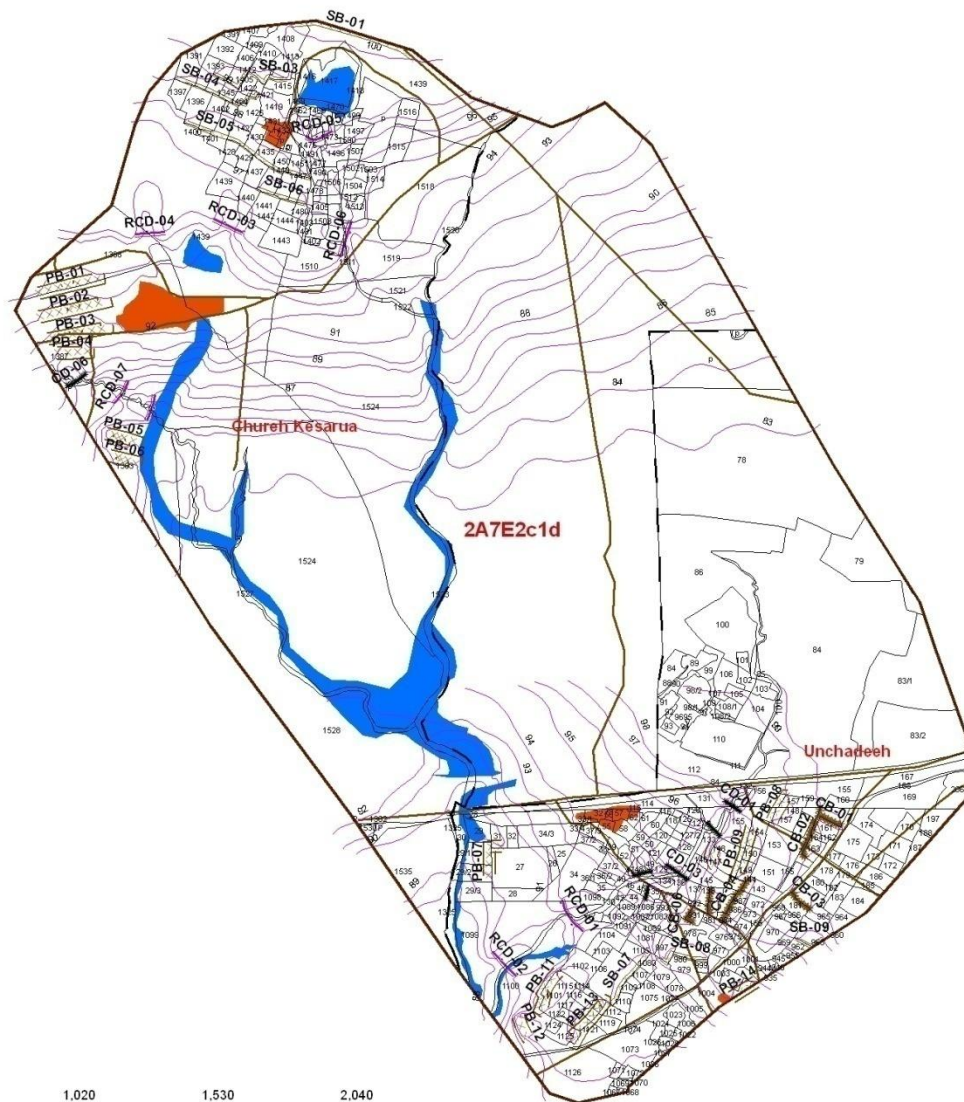
## ACTION PLAN MAP OF CHITRAKOOT

Project Name: IWMP-X (2011-12)

District Name: Chitrakoot

Code: 2C7E2c1d

Total Area: 803.519 ha.

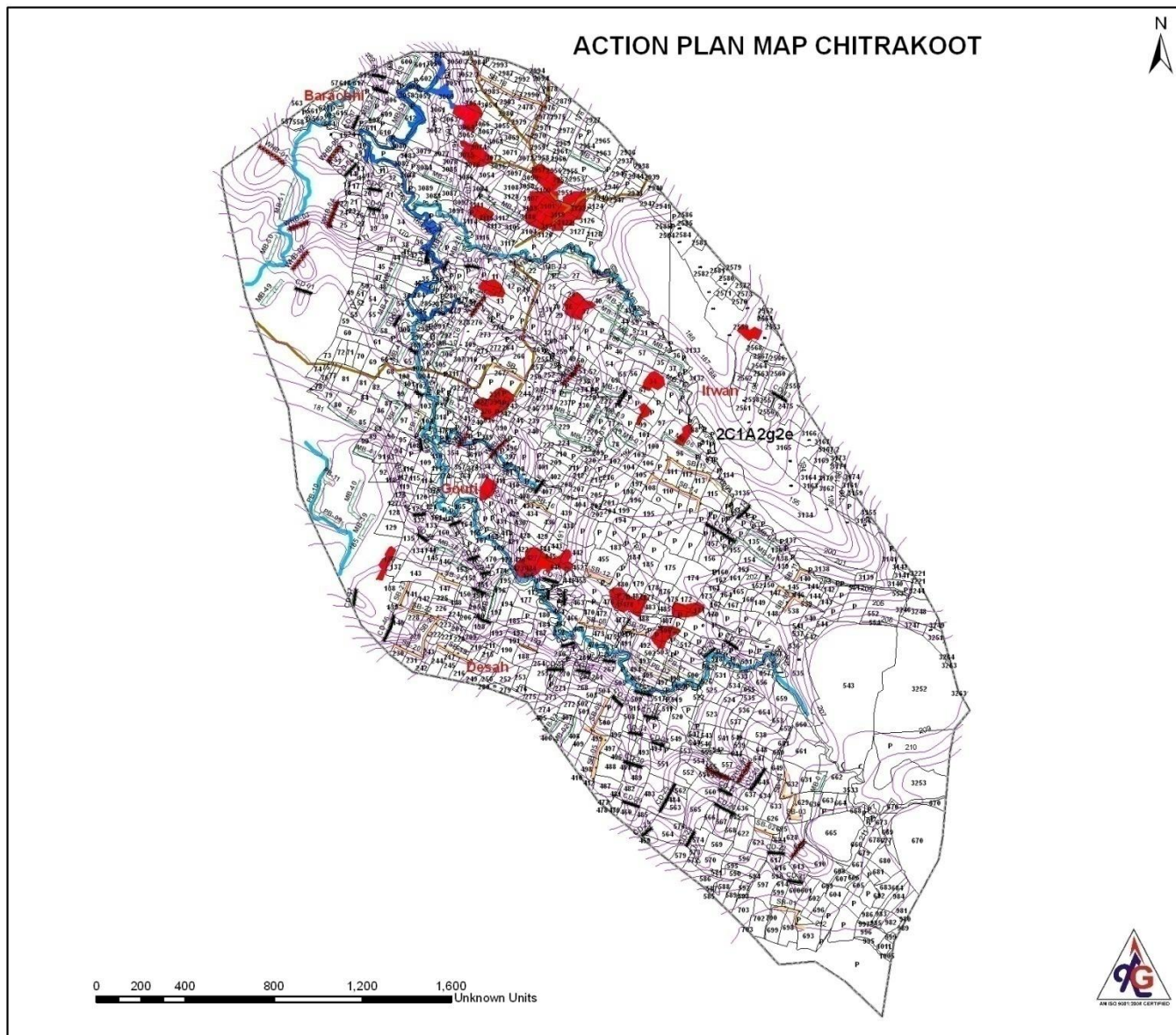


Village Name	Area (ha.)
Chureh Kesarua	322.029
Unchadeeh	275.866
<b>Total Area</b>	<b>597.895</b>

## Legend

- Watershed Boundary
- Village Boundary
- River water body
- cadastral plots
- Contour
- Settlement
- Contour Bund
- Sub Marginal Bund
- Peripheral bund
- Check dam
- Recharging check dam
- Road



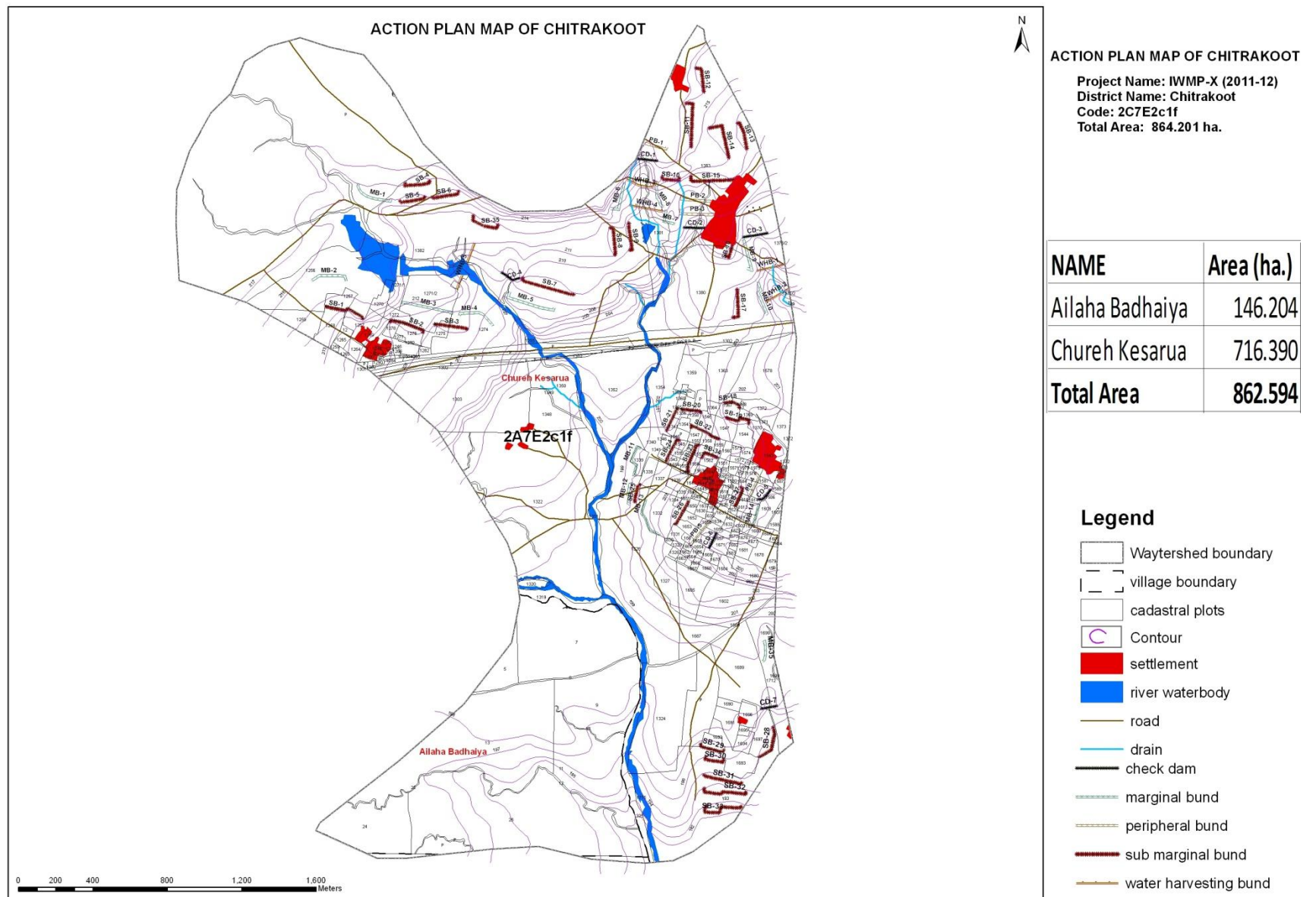


**ACTION PLAN MAP**  
**Project Name X (2011-2012)**  
**District Name - Chitrakoot**  
**WS Code - 2C1A2g2e**  
**Total Area - 718.421 ha.**

Village Name	AREA (ha.)
Barachhi	13.757
Desah	230.913
Gouria	229.661
Itwan	171.918
<b>Total Area</b>	<b>646.250</b>

#### Legend

- Watershed Boundary
- Village Boundary
- Cadastral
- Check Dam
- Marginal Bund
- Water harvesting Bund
- Peripheral Bund
- Sub Marginal Bund
- river
- drain
- settlement
- Contour
- road



**Annexure-1****फेजिंग आई०डब्ल्यू एम०पी०-10**

कोड न०- 2A7E2b2d  
परियोजना का नाम- कोटा कन्डैला

विकास खण्ड- मानिकपुर  
ग्राम पंचायत का नाम- कोटा कन्डैला

तहसील- कर्वी  
वर्ष- 2011-12

क्र० सं०	वर्षवार फेजिंग	एन०आर०एम०		अन्य मद वित्तीय (लाख रु०में)	कुल योग	
		भौतिक	वित्तीय		भौतिक	वित्तीय
1	2	3	4	5	6	7
1	2011-12      20 प्रतिशत	48.400	3.252	2.555	48.400	5.807
2	2012-13      25 प्रतिशत	60.500	4.066	3.195	60.500	7.261
3	2013-14      25 प्रतिशत	60.500	4.066	3.195	60.500	7.261
4	2014-15      30 प्रतिशत	72.600	4.878	3.833	72.600	8.711
	योग-	<b>242.000</b>	<b>16.262</b>	<b>12.778</b>	<b>242.000</b>	<b>29.040</b>

## आई0डब्ल्यू एम0पी0-10

परियोजना कोटा  
कन्डैला

विकास खण्ड- मानिकपुर

तहसील- कर्वी

कोड नम्बर- 2CA7E2b2d

क्र0 सं0	कार्य का नाम	नि0क्षे0 हे0	लम्बाई मी0	मृदा कार्य घ0मी0	मृदा कार्य पर व्यय	पक्के कार्य पर व्यय	कुल व्यय	प्रति हे0 व्यय
1	2	3	4	5	6	7	8	9
1	C.B	-	-	-	-	-	-	-
2	S.B	82.00	3447	8513.22	351000.00	100000.00	451000.00	5500.00
3	P.B/ M.B.	60.00	2190	6306.08	260000.00	100000.00	360000.00	6000.00
4	C.D	55.00	430	4749.90	224240.00	200000.00	424240.00	7700.00
5	R.C.D	45.00	300	3895.45	191000.00	200000.00	391000.00	8688.00
	योग	<b>242.00</b>	<b>6367</b>	<b>23464.65</b>	<b>1026240.00</b>	<b>600000.00</b>	<b>1626240.00</b>	<b>27888.00</b>

## भूमि संरक्षण आकार पत्र-3

(नियम 9) 3 (देखिये)

निर्माण कार्यों के परिणाम तथा व्यय के अनुमान

परियोजना- कोटा कन्डैला ग्राम- कोटा कन्डैला तहसील-कर्वी, जिला-चित्रकूट, वर्ष-2011-12

क्र० सं०	निर्माण कार्य का नाम	क्षेत्र जिन्हे लाभ होगा (हे०)	खेतों के खसरा सं० जिसमें निर्माण कार्य सम्पादित हो या किया जावे	विशिष्टियां				निर्माण कार्य परिणाम घ.मी.में	मानव दिवस	दर	धनराशि (रु०में)	अभ्युक्ति
				अनुप्रस्थ क्षेत्र								
				ल० मी०	चौ० मी०	ऊँ० मी०	क्षे० वर्ग० मी०					
1	2	3	4	5	6	7	8	9	10	11	12	13
1	S.B.- 1	1.10	967	60	$\frac{3.90+.60}{2}$	1.10	2.47	148.20	61	41.22	6100.00	
2	S.B.- 2	2.76	1012	150	"	"	"	370.50	152	"	15200.00	
3	S.B.- 3	3.69	1280	200	"	"	"	494.00	203	"	20300.00	
4	S.B.- 4	3.69	1415, 1416, 1417, 1373, 1389	200	"	"	"	494.00	203	"	20300.00	
5	S.B.- 5	2.76	1809, 1810, 1811, 1813, 1882	150	"	"	"	370.50	152	"	15200.00	
6	S.B.- 6	2.58	1287, 1292	140	"	"	"	345.80	142	"	14200.00	
7	S.B.- 7	2.58	1288, 1289	140	"	"	"	345.80	142	"	14200.00	
8	S.B.- 8	2.21	1290, 1291	120	"	"	"	296.40	122	"	12200.00	
9	S.B.- 9	3.69	1294/1	200	"	"	"	494.00	203	"	20300.00	
10	S.B.- 10	3.69	1296	200	"	"	"	494.00	203	"	20300.00	
11	S.B.- 11	3.69	1290/2	200	"	"	"	494.00	203	"	20300.00	
12	S.B.- 12	3.69	2189	200	"	"	"	494.00	203	41.22	20300.00	
13	S.B.- 13	2.03	2492	110	"	"	"	271.70	112	"	11200.00	



## भूमि संरक्षण आकार पत्र-3

(नियम 9) 3 (देखिये)

निर्माण कार्यों के परिणाम तथा व्यय के अनुमान

परियोजना- कोटा कन्डैला ग्राम- कोटा कन्डैला तहसील-कर्वी, जिला-चित्रकूट, वर्ष-2011-12

क्र० सं०	निर्माण कार्य का नाम	क्षेत्र जिन्हे लाभ होगा (हे०)	खेतों के खसरा सं० जिसमें निर्माण कार्य सम्पादित हो या किया जावे	विशिष्टियां				निर्माण कार्य परिणाम घ.मी.में	मानव दिवस	दर	धनराशि (रू०में)	अभ्युक्ति
				अनुप्रस्थ क्षेत्र								
				ल० मी०	चौ० मी०	ऊँ० मी०	क्षे० वर्ग० मी०					
1	2	3	4	5	6	7	8	9	10	11	12	13
14	S.B.- 14	3.69	1307	200	"	"	"	494.00	203	"	20300.00	
15	S.B.- 15	2.21	1300, 1296	120	"	"	"	296.40	122	"	12200.00	
16	S.B.- 16	1.83	1306, 1313	100	"	"	"	247.00	101	41.22	10100.00	
17	S.B.- 17	1.83	1314	100	"	"	"	247.00	101	"	10100.00	
18	S.B.- 18	2.21	2485	120	"	"	"	296.40	122	"	12200.00	
19	S.B.- 19	2.76	2485	150	"	"	"	370.50	152	"	15200.00	
20	S.B.- 20	2.76	2136	150	"	"	"	370.50	152	"	15200.00	
21	S.B.- 21	2.76	2136	150	"	"	"	370.50	152	"	15200.00	
22	S.B.- 22	1.27	1855	70	"	"	"	172.90	71	"	7100.00	
23	S.B.- 23	1.47	1878, 1879, 1881, 1882	80	"	"	"	197.60	81	"	8100.00	
24	S.B.- 24	1.27	1375, 1407, 1393, 1394, 1396	70	"	"	"	172.90	71	"	7100.00	
25	S.B.- 25	1.27	1860, 1354, 1355	70	"	"	"	172.90	71	"	7100.00	
	योग—	82.00		3447				8513.22	3510		351000.00	

## भूमि संरक्षण आकार पत्र-3

(नियम 9) 3 (देखिये)

निर्माण कार्यों के परिणाम तथा व्यय के अनुमान

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क्र० सं०	निर्माण कार्य का नाम	क्षेत्र जिन्हे लाभ होगा (हे०)	खेतों के खसरा सं० जिसमें निर्माण कार्य सम्पादित हो या किया जावे	विशिष्टियां				निर्माण कार्य परिणाम घ.मी.में	मानव दिवस	दर	धनराशि (रू०में)	अभ्युक्ति
				अनुप्रस्थ क्षेत्र								
				ल० मी०	चौ० मी०	ऊँ० मी०	क्षे० वर्ग० मी०					
1	2	3	4	5	6	7	8	9	10	11	12	13
1	P.B.-1	1.96	1368	100	$\frac{4.20+.60}{2}$	1.20	2.88	288.00	118	41.22	11800.00	
2	P.B.-2	1.38	1365	70	"	"	"	201.60	83	"	8300.00	
3	P.B.-3	3.95	1360, 1361, 1352, 1353	200	"	"	"	576.00	237	"	23700.00	
4	P.B.-4	4.93	1864,1863,1865,1866	250	"	"	"	720.00	296	"	29600.00	
5	P.B.-5	4.93	2337	250	"	"	"	720.00	296	"	29600.00	
	योग—	17.16		870				2505.60	1030		103000.00	
1	M.B.-1	2.96	1331, 1332	150	$\frac{4.20+.60}{2}$	1.20	2.88	432.00	178	41.22	17800.00	
2	M.B.-2	2.96	2491	150	"	"	"	432.00	178	"	17800.00	
3	M.B.-3	3.95	2493, 2494	200	"	"	"	576.00	237	"	23700.00	
4	M.B.-4	3.95	1301, 2488, 2492	200	"	"	"	576.00	237	"	23700.00	
5	M.B.-5	2.36	2487	120	"	"	"	345.60	142	"	14200.00	
6	M.B.-6	4.93	2485	250	"	"	"	720.00	296	"	29600.00	
7	M.B.-7	4.93	1874, 2484	250	"	"	"	720.00	296	"	29600.00	
	योग—	60.00		2190				6306.08	2600		260000.00	

## भूमि संरक्षण आकार पत्र-3

(नियम 9) 3 (देखिये)

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				अनुप्रस्थ क्षेत्र								
				ल० मी०	चौ० मी०	ऊँ० मी०	क्षे० वर्ग० मी०					
1	2	3	4	5	6	7	8	9	10	11	12	13
1	C.D-1	3.89	1279, 1280	60	गणना के अनुसार स्थल की सफाई गुड़ाई पर व्यय 60X7.71X3.40			642.76	300	44.34	30000.00	
2	C.D-2	4.15	1279, 1280	60	गणना के अनुसार स्थल की सफाई गुड़ाई पर व्यय 60X8.42X3.40			657.55	320	46.08	32000.00	
3	C.D-3	4.80	1869	70	गणना के अनुसार स्थल की सफाई गुड़ाई पर व्यय 70X7.55X3.40			793.86	370	44.34	37000.00	
4	C.D-4	4.80	1872, 1875	70	गणना के अनुसार स्थल की सफाई गुड़ाई पर व्यय 70X7.55X3.40			793.86	370	44.34	37000.00	
5	C.D-5	3.40	1873, 1875	50	गणना के अनुसार स्थल की सफाई गुड़ाई पर व्यय 50X7.60X3.40			561.56	262	44.34	26200.00	
6	C.D-6	3.89	1888, 2123	60	गणना के अनुसार स्थल की सफाई गुड़ाई पर व्यय 60X7.71X3.40			642.76	300	44.34	30000.00	
7	C.D-7	4.15	2487, 2493	60	गणना के अनुसार स्थल की सफाई गुड़ाई पर व्यय 60X8.42X3.40			657.55	320	46.08	32000.00	
	योग—	55.00	-	430	—			4749.90	2242	-	224200.00	

## भूमि संरक्षण आकार पत्र-3

(नियम 9) 3 (देखिये)

निर्माण कार्यों के परिणाम तथा व्यय के अनुमान

परियोजना- कोटा कन्डैला ग्राम- कोटा कन्डैला तहसील-कर्वी, जिला-चित्रकूट, वर्ष-2011-12

क्र० सं०	निर्माण कार्य का नाम	क्षेत्र जिन्हे लाभ होगा (हे०)	खेतों के खसरा सं० जिसमें निर्माण कार्य सम्पादित हो या किया जावे	विशिष्टियां				निर्माण कार्य परिणाम घ.मी.में	मानव दिवस	दर	धनराशि (रू०में)	अभ्युक्ति
				अनुप्रस्थ क्षेत्र								
				ल० मी०	चौ० मी०	ऊँ० मी०	क्षे० वर्ग० मी०					
1	2	3	4	5	6	7	8	9	10	11	12	13
1	R.C.D.-1	4.66	1281, 1278	70	गणना के अनुसार स्थल की सफाई गुड़ाई पर व्यय 70X8.83X3.40			833.33	405	46.08	40500.00	
2	R.C.D.-2	4.66	1875, 1877	70	गणना के अनुसार स्थल की सफाई गुड़ाई पर व्यय 70X7.88X3.40			872.80	405	44.34	40500.00	
3	R.C.D.-3	6.33	1872, 1888	80	गणना के अनुसार स्थल की सफाई गुड़ाई पर व्यय 80X9.27X3.40			1094.66	550	47.96	55000.00	
4	R.C.D.-4	6.33	2123, 1874	80	गणना के अनुसार स्थल की सफाई गुड़ाई पर व्यय 80X9.27X3.40			1094.66	550	47.96	55000.00	
	योग—	45.00	-	300	—			3895.45	1910	-	191000.00	

# **CHAPTER -12**

## **ABBREVIATIONS/ REFERENCES**

## **LIST OF ABBRIVIATIONS/REFERENCES**

<b>AG</b>	Department of Agriculture
<b>DOLR</b>	Department of Land Resources
<b>IWMP</b>	Integrated Watershed Management Programme
<b>SLNA</b>	State Level Nodal Agency
<b>CGL</b>	Common Guidelines
<b>PIA</b>	Project Implementing Agency
<b>BSA</b>	Bhoomi Sanrakshan Adhikari
<b>WDT</b>	Watershed Development Team
<b>WC</b>	Watershed Committee
<b>UC</b>	User Group
<b>SHG</b>	Self Help Group
<b>CB</b>	Contour Bund
<b>MB</b>	Marginal Bund
<b>PB</b>	Peripheral Bund
<b>CD</b>	Check Dam

## **REFERENCES**

- Common Guideline of watershed development-2008.
- Jila Sankhikiya Patrika
- Census 2001
- Kols of Patha: Amir Hasan (1970)
- [www.Chitrakoot.nic.in](http://www.Chitrakoot.nic.in)

## Preparation of DPR

Detail Project Report of Integrated Watershed Management Programme IWMP-X had been prepared through base line/ bench Mark survey for Physiography climate, soil, land use, vegetation, and hydrology and socio economic data analysis. PRA have been exercised to collect primary data, secondary data have been collected from Revenue, Statistics department, Statistical Magazine of the district Chitrakoot.

S. No.	Name	Designation
1	Sri A. P. Yadav	B.S.A.
2	Sri Lalji Singh Yadav	J.E.
3	Sri Subhash Chandra Verma	S.T.A. G.P. 'B'
4	Sri B. N. Samadhiya	S.T.A. G.P. 'B'
5	Sri Suresh Chandra Sharma	S.T.A. G.P. 'B'
6	Sri Baliram Prasad	S.T.A. G.P. 'B'
7	Sri B. K. Tyagi	S.T.A. G.P. 'B'
9	Sri A. K. Srivastava	MD, Kalyani Geospatial, Lucknow
10	Dr. A. K. Kulshetra	Consultant, Kalyani Geospatial, Lucknow
11	Sri Sandeep Kumar Singh	Consultant (RS & GIS), Kalyani Geospatial, Lucknow
12	Sri Dipendra Kumar Sharma	Statistical Analyst, Kalyani Geospatial, Lucknow
13	Sri Raj Kishor Pal	Date Entry Operator, Kalyani Geospatial, Lucknow