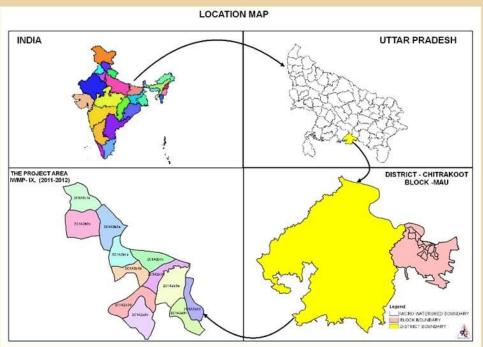
# DETAILED PROJECT REPORT

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















Prepared by :
Bhoomi Sanrakshan Adhikari
Dept. of Agriculture
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# **CERTIFICATE**

It is certified that the proposed IWMP-IX project comprising twelve 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-IX for financial year 2011-12 is submitted for its approval and implementation.

**Bhoomi Sanrakshan Adhikari** 

Department of Agriculture, Chitrakoot, Uttar Pradesh

# FINANCIAL BREAKUP OF VARIOUS COMPONENT IN TERMS OF % OF IWMP-9, DISTRICT-CHITRAKOOT YEAR- 2011-12 TO 2014-15

Code No.- I.W.M.P. -9

lamw of P.I.A B.S.A. (ag) Chitrakoot					Distt-Chitrakoot								Amount in Lacs		
S. No.	Micro Watershed Code	Name of Project	Project Area	Proposed Amount	Administrative 10%	IPA 4%	Dradtudon and CB 8%	DPR 196	Watershed development work 1695	Livelihood for asset less 946	Production system and Microenterprises	Monitoring 196	Naiuadon 196	consolidadon 9%	Total 100%
1	2C1A2a3d	Chhiolaha-I	546	65.52	6.55	2.62	3.28	0.66	36.69	5.90	6.55	0.66	0.66	1.97	65.52
2	2C1A2a3e	Chhiolaha-II	508	60.96	6.10	2.44	3.05	0.61	34.14	5.49	6.10	0.61	0.61	1.83	60.96
3	2C1A2cle	Sakhaunta	510	61.20	6.12	2.45	3.06	0.61	34.27	5.51	6.12	0.61	0.61	1.84	61.20
4	2C1A2h2c	Sakraun	671	80.52	8.05	3.22	4.03	0.81	45.09	7.25	8.05	0.81	0.81	2.42	80.52
5	2C1A2h3c	Mankumar-I	367	44.04	4.40	1.76	2.20	0.44	24.66	3.96	4.40	0.44	0.44	1.32	44.04
6	2C1A2a3a	Kotra Khambha	730	87.60	8.76	3.50	4.38	0.88	49.06	7.88	8.76	0.88	0.88	2.63	87.60
7	2C1A2a2d	Garhwa- I	250	30.00	3.00	1.20	1.50	0.30	16.80	2.70	3.00	0.30	0.30	0.90	30.00
8	2C1A2a3h	Garhwa- II	160	19.20	1.92	0.77	0.96	0.19	10.75	1.73	1.92	0.19	0.19	0.58	19.20
9	2C1A2h3h	Mankumar-II	335	40.20	4.02	1.61	2.01	0.40	22.51	3.62	4.02	0.40	0.40	1.21	40.20
10	2C1A2h2a	Mandaur	658	78.96	7.90	3.16	3.95	0.79	44.22	711	7.90	0.79	0.79	2.37	78.96
11	2C1A2h1h	Sesa Subhkara- I	352	42.24	4.22	1.69	2.11	0.42	23.65	3.80	4.22	0.42	0.42	1.27	42.24
12	2CIAZhIa	Sesa Subhkara- II	375	45.00	4.50	1.80	2.25	0.45	25.20	4.05	4.50	0.45	0.45	1.35	45.00
		Total	5462	655.44	65.54	26.22	32.77	6.55	367.05	58.99	65.54	6.55	6.55	19.66	655.44

#### Note-

- 1. Micro Watershed no. 2C1A2a3g has been cancelled. It was covered by hills, forest area & work executed by Gram Panchayat.
- 2. Sanctioned by P.P.R.- IWMP-IX
  - a) Proposed Area- 5935.00 ha
  - b) Project Cost- 712.20 lacs

ूमि संस्थाण अधिकारी

पुड्य विकास अधिकार। -

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#### **EXECUTIVE SUMMARY**

IWMP-IX Project is located in Mau Block of Chitrakoot district, Uttar Pradesh. The Project comprises of 12 Micro-watersheds. The total geographical area of the project is 6816.00 ha, out of which 5462.00 ha area has been taken for treatment under Integrated Watershed Management Programme starting year 2011-12. Total 29 villages are being covered under this project. This watershed has been identified by the state department under IWMP scheme by proper prioritization of different parameters for watershed selection criteria. The above watershed is located in the North-East part of the district, between 25°20′00″ to 25°40′00″ N latitude and 81°05′00″ E to 81°35′00″ E longitude. Brief details of various component of the project are given below.

The altitude of the area, on an average, ranges from 73 to184 m above the Mean Sea Level (MSL). The summer, rainy and winter temperatures range between 32-46°C, 30-40°C and 08-21°C respectively. The May and June are the hottest months and sometime temperature goes up to 49.0°C and minimum temperature falls to 4.0°C during December-January.

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, Jowar, Arhar and Bajara and moong and Urd are the main crops being grown, but productivity of these crops are around 4 to 5 qu/ha. In the Rabi season mainly Barley wheat and gram have been grown in the study area with productivity of 6 to 8 qu/ha. These livestock are generally sheep, goat and indigenous cattle, having low productivity about 1 to 1.5 liters per day.

The study area is a part of Vidhay region locally known as **PATHA** having eroded lands with sand stone. Runoff the study area is about 377.24 mm/year.

It is the most backword region of the state having low income of the people; therefore migration to nearby cities is common. It is expected that more then 30% people (3080 person) daily goes for their livelihood.

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 -IX, R. B. YAMUNA RIVER WATERSHED										
2.	Name of Block	Mau	Mau									
3.	Name of District	Chitrakoot	Chitrakoot									
4.	Name of State	Uttar Pradesh	Uttar Pradesh									
5.	No of Micro Watershed	12	12									
6.	Name of Village under Micro Watershed	Dhendhaura, Mustakil, Mai	Arwari Naudiya, Bambura, Bamburi, Biyawal Mustkil, Chhataini Mafi, Chhiolaha, Dhawada, Dhendhaura, Dubari, Gadhawa, Kalchiha, Konpa, Kotara Khambha, Man Kunwar, Man Kunwar Mustakil, Mandaur, Mau Mustkil, Mawai Kalan, Purab Patai Mustk, Redi bhusauli Musttk, Sakhaunha, Sikraun, Tekra, Tilauli Mustakil, Sesasu Bhkara Ahatmali, Sesasu Bhkara Mustk									
7.	Micro Watershed Code	2C1A2a2d	2C1A2a3a	2C1A2a3d	2C1A2a3e	2C1A2c1e	2C1A2a3h					
/.		2C1A2b1a	2C1A2b1b	2C1A2b2a	2C1A2b2c	2C1A2b3b	2C1A2b3c					
8.	Project Area	6816.00 ha										
9	Rainfed Area	3716.90 ha										
10	Proposed Area for Treatment	5462.00 ha										
11	Cost per Hectare	Rs. 12000/ha										
12	Project Period	2011-12 to 20	)14-15									
13	Total Cost of Project	Rs. 655.44 La	cs									

TABLE 2: YEAR WISE PHASING (PHYSICAL & FINANCIAL) OF I.W.M.P. -IX OF CHITRAKOOT (U.P.)

Area: ha

ha Amount: Lacs

S.	Particulars		2011-12		-13	2013	-14	2014-15		Total	
No.	Particulars	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy
1	Administrative Cost-10%			18.02		18.02		16.39		65.54	
2	Monitering-1%			1.80		1.80		1.64		6.55	
3	Evalution - 1%			1.47		1.47		1.64		6.55	
4	Entry Point Activity- 4%			-		-		-		26.22	
5	Instituion & Capacity Building-5%			6.55		6.55		-		32.77	
6	DPR-1%	6.55		-		-		-		6.55	
7	Watershed Dev. Work- 56%	49.16	819	80.29	1284	80.29	1284	157.31	2075	367.05	5462
8	Livilyhood Activity-9%	6.55		26.22		26.22		-		58.99	
9	Production System & Micro Enterprises 10%			29.49		29.49		-		65.54	
10	Consolidation-3%	-		-		-		19.66		19.66	
	Total	131.09		163.86		163.86		196.63		655.44	

**TABLE 3: BUDGET FOR VARIOUS COMPONENTS (I.W.M.P.-IX CITRAKOOT)** 

S. No.	Budget Component	%	Total (lacs)
	1. Administrative	10	65.54
A.	2. Monitoring	1	6.55
	3. Evaluation	1	6.55
	PREPARATORY PHASE		
В.	Entry point activities	4	26.22
Б.	2. Institution and capacity building	5	32.77
	3. Detailed Project Report(DPR)	1	6.55
	WATERSHED WORKS PHASE		
	Watershed development works,	56	367.05
C.	2. Livelihood activities for the asset less persons	9	58.99
	3. Production system and micro enterprises.	10	65.54
D.	CONSOLIDATION PHASE	3	19.66
	GRAND TOTAL	100	655.44

# CHAPTER-1 INTRODUCTION & BACKGROUND

#### INTRODUCTION

The IWMP – IX project in Mau Block of Chitrakoot district, Uttar Pradesh is located near Mau, about 15 km from Mau Block, and 45 km from the District. There are twelve micro-watershed included in the project viz, 2C1A2a3d (Chhiolaha-I), 2C1A2a3e (Chhiolaha-II), 2C1A2c1e (Sakhaunha), 2C1A2b2c (Sikraun), 2C1A2b3c (Mankunwar-I), 2C1A2a3a (Kotra Khambha), 2C1A2a2d (Garhwa- I), 2C1A2a3h (Garhwa- II), 2C1A2b3b (Mankunwar-II), 2C1A2b2a (Mandaur), 2C1A2b1b (Sesa Subhkara- I), 2C1A2b1a (Sesa Subhkara- II) comprise of 25 villages namely Arwari Naudiya, Bambura, Bamburi, Biyawal Mustkil, Chhataini Mafi, Chhiolaha, Dhawada, Dhendhaura, Dubari, Gadhawa, Konpa, Kotara Khambha, Man Kunwar, Man Kunwar Mustakil, Mandaur, Mau Mustkil, Mawai Kalan, Purab Patai Mustk, Redi bhusauli Musttk, Sakhaunha, Sikraun, Tekra, Tilauli Mustakil, Sesasu Bhkara Ahatmali, Sesasu Bhkara Mustk. It is located in North-East part of Chitrakoot district. Total area of Watershed is 6816.00 ha, out of which 3716.90 ha is rainfed, 5462.00 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 Chitrakoot for IWMP programme starting from 2011-12.

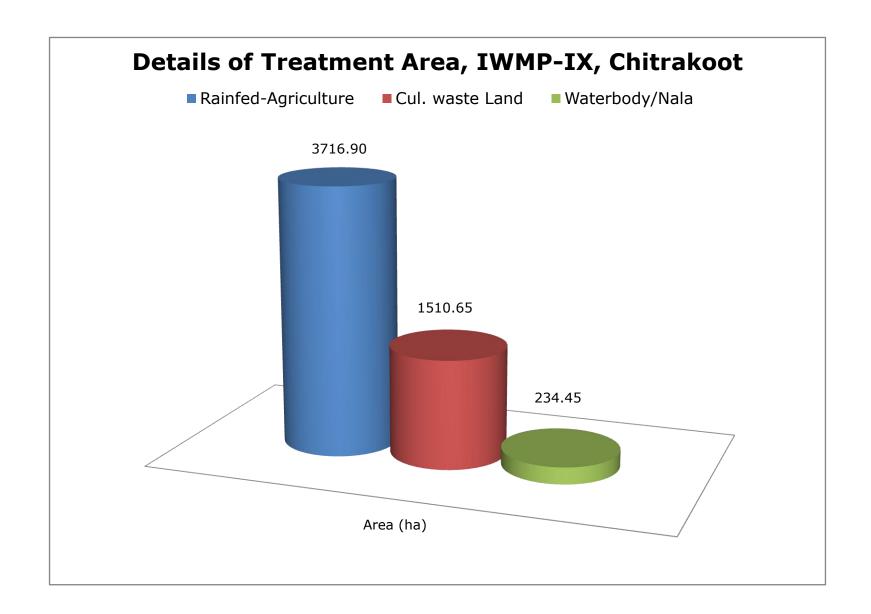
The Status of Integrated Watershed Management Programme as approved by Steering Committee, Govt. of India for Chitrakoot district, Uttar Pradesh is given in Table Nos. 1.1, 1.2

TABLE 1.1: STATUS OF WATERSHED PROGRAMME, DISTRICT- CHITRAKOOT

Details	No.	Area (Lac ha.)
1	2	3
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 distt.)	354	205622

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

Watershed project IWMP	Micro Watershed Name	Micro watershed code	Treatment Area (ha)	Name of Watershed in which MWS is falling (River / Nala name)
	Chhiolaha-I	2C1A2a3d	546.00	R.B. Yamuna River
	Chhiolaha-II	2C1A2a3e	508.00	R.B. Yamuna River
	Sakhaunha	2C1A2c1e	510.00	R.B. Yamuna River
	Sikraun	2C1A2b2c	671.00	R.B. Yamuna River
	Mankunwar-I	2C1A2b3c	367.00	R.B. Yamuna River
IWMP – IX,	Kotra Khambha	2C1A2a3a	730.00	R.B. Yamuna River
Chitrakoot	Garhwa- I	2C1A2a2d	250.00	R.B. Yamuna River
	Garhwa- II	2C1A2a3h	160.00	R.B. Yamuna River
	Mankunwar-II	2C1A2b3b	335.00	R.B. Yamuna River
	Mandaur	2C1A2a3d	658.00	R.B. Yamuna River
	Sesa Subhkara- I	2C1A2b1b	352.00	R.B. Yamuna River
	Sesa Subhkara- II	2C1A2b1a	375.00	R.B. Yamuna River
	Total Area	1	5462.00	



#### 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 1.5: PROBLEM IDENTIFICATION AND PRIORITIZATION FOR WATERSHED**

S. No.	Problem	Rank
1	Low production of field crops due to eroded soil	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 of 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 1.6: A SWOT ANALYSIS OF WATERSHED IS PRESENTED AS BELOW:

Strength (S)	Weakness(W)					
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  Opportunities(O)	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  Threats (T)					
1- Wide range of annual and perennial crops						
2- Scope of regular employment opportunity to check out migration	<ul><li>1- Prone to adverse climate like drought</li><li>2- High market risk</li></ul>					
3- Strengthening of existing irrigation system	3- Social conflicts owing to PRI & WSM policies and local policies.					
4- Conductive climate for rainfed crop diversification	4- Weak coordination among line departments.					
5- Good scope for agro-forestry and dry land horticulture.	5- Lack of expertise of implementing agencies in different aspect					
6- Potential for collective active action and magement of CPRs.	of WSM.					

**TABLE 1.7: WEIGHTAGE OF THE PROJECT** 

District				micro-watersheds Propos sed to be covered		sed project are (ha)		Proposed cost (Rs. in lakh)		
Chitrakoot		IWMP-IX		12			5462	7:	12.20	
	Weightage									
i	ii	iii	iv	V	vi	i	vii	viii	ix	
10	5	5	10	0	10	0	10	7.5	15	
х	xi	xii	xiii	Total						
15	10	15	NA	112.50						

# CHAPTER – 2 GENERAL DESCRIPTION OF PROJECT AREA

## **Location:**

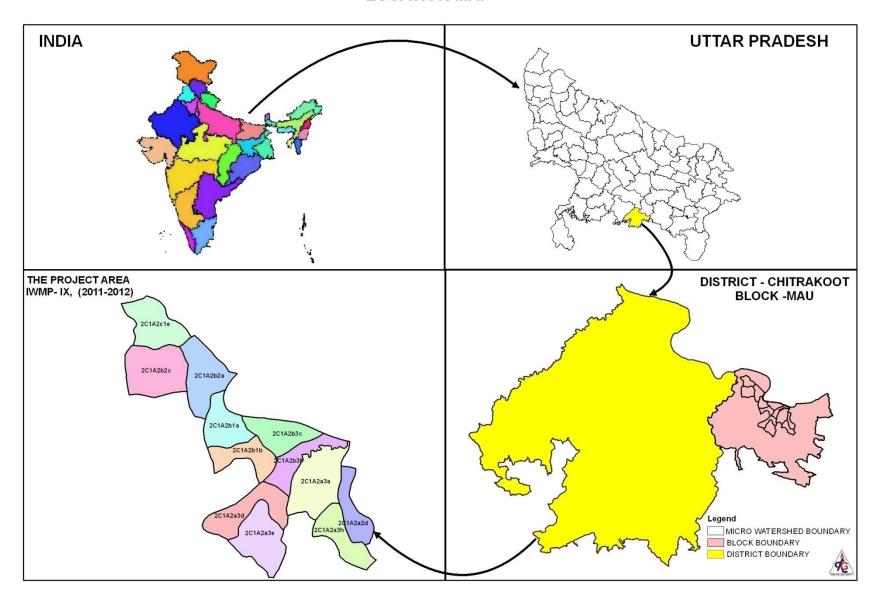
The micro-watersheds of IWMP- IX are situated in Mau Block of Chitrakoot district, U.P. It is located near Mau, about 55 km from the district. It is situated North-East part of Chitrakoot district, U.P. The details about micro-watersheds, their geographical location (lat/long), Gram Panchayat, villages 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- IX, Chitrakoot

S. No.	Name of micro watershed with 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	Chhiolaha-I 2C1A2a3d	25°14'18 to 25°12'32	81°25'12 to 81°22'16	Bamburi, Chhiolaha, Tilauli Mustakil	Bamburi, Chhiolaha, Kotara Khambha, Man Kunwar, kotara khambha, Man Kunwar Mustakil, Tekra, Tilauli Mustakil, Tolauli Mustkil	Mau	667.46	
2	Chhiolaha-II 2C1A2a3e	25°13'45 to 25°11'22	81°25'8 to 81°23'7	Chhataini Mafi	Bamburi, Chhataini Mafi, Chhiolaha, Tekra, Kalchiha	Mau	717	
3	Sakhaunha 2C1A2c1e	25°19'57 to 25°18'18	81°21'58 to 81°19'34	Biyawal Mustkil, Mandaur, Sakhaunha	Bambura, Biyawal Mustkil, Dubari, Mandaur, Redi bhusauli Musttk, Sakhaunha	Mau	670.55	
4	Sikraun 2C1A2b2c	25°18'27 to 25°16'50	81°21'52 to 81°19'41	Mandapu, Konpa, Mau Mustkil, Sakhaunha, Sikraun	Bambura, Dhawada, Dhendhaura, Dubari, Konpa, Mandaur, Mau Mustkil, Sakhaunha, Sikraun	Mau	882.13	

5	Mankunwar-I 2C1A2b3c	25°16'17 to 25°15'0	81°26'22 to 81°23'34	Tilauli Mustk	Man Kunwar Mustakil, Tilauli Mustk, sesa subhkara Ahatmali	Mau	482.75
6	Kotra Khambha 2C1A2a3a	25°15'32 to 25°13'6	81°27'14 to 81°25'4	Kotara Khambha, Man Kunwar Mustakil	Khambha, Man Kunwar  Kunwar  Mustakil, Purab Patai  Mustk kotara khambha		898.89
7	Garhwa-I 2C1A2a2d	25°14'46 to 25°12'21	81°28'2 to 81°26'47	Arwari Naudiya, Gadhawa, Purab Patai Mustk	Arwari Naudiya, Gadhawa, Purab Patai Mustk	Mau	405.31
8	Garhwa-II 2C1A2a3h	25°13'38 to 25°11'35	81°28'6 to 81°25'55	Arwari Naudiya, Gadhawa, Kotara Khambha	Arwari Naudiya, Gadhawa, Kotara Khambha	Mau	484.49
9	Mankunwar-II 2C1A2b3b	25°15'45 to 25°13'49	81°27'10 to 81°24'19	Kotara Khambha, Tilauli Mustakil	Kotara Khambha, Man Kunwar, Man Kunwar Mustakil, Purab Patai Mustk, Tilauli Mustakil	Mau	433.49
10	Mandaur 2C1A2b2a	25°18'46 to 25°16'10	81°23'29 to 81°21'29	Sakhaunha, Mandaur, Mawai Kalan	Dhendhaura, Dubari, Mandaur, Mau Mustkil, Mawai Kalan	Mau	743.99
11	Sesa Subhkara-I 2C1A2b1b	25°15'44 to 25°14'13	81°24'49 to 81°22'27	Chhiolaha, sesa subhkara Mustk, Mau Mustkil, Tilauli Mustakil	Chhiolaha, Man Kunwar, Man Kunwar Mustakil, sesa subhkara Mustk, Mau Mustkil, Tilauli Mustakil, Tilauli Mustk, sesa subhkara Ahatmali	Mau	462.92
12	Sesa Subhkara-II 2C1A2b1a	25°17'5 to 25°15'19	81°24'9 to 81°22'19	Mau Mustkil, Tilauli Mustk, sesa subhkara Mustk	Mau Mustkil, Tilauli Mustk, sesa subhkara Ahatmali, sesa subhkara Mustk	Mau	493.07

#### **LOCATION MAP**



**Area and Landuse:** Total area of the watershed is 6816.00 ha out of which treatable area are 5462.00 ha. Rainfed area is 3716.90 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 micro watershed	Name of village	Cultivated rainfed	Cultivated irrigated	Uncult wastelan			P	vt. Agri. Lar	ıd		Forest Land	Community land	Others (Habitat Road	Total area (ha)
NO.	with Code	-	area	area	Temp.	Perma- nent	Gen	sc	ST	ОВС	Total	Land	land	etc.)	(Geogra- phical)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Chhiolaha/ 2C1A2a3d	Bamburi, Chhiolaha, Kotara Khambha, Man Kunwar, kotara khambha, Man Kunwar Mustakil, Tekra, Tilauli Mustakil, Tolauli Mustkil	394.4	80.31	124.64	47.97	199.38	105.62	0	169.71	474.71	93.29	23.3	3.66	785.88
2	Chhiolaha/ 2C1A2a3e	Bamburi, Chhataini Mafi, Chhiolaha, Tekra	313.5	31.94	192.5	113.27	145.08	76.86	0	123.49	345.44	0.61	1.2	0.8	675.51
3	Dubari / 2C1A2c1e	Bambura, Biyawal Mustkil, Dubari, Mandaur, Redi bhusauli Musttk, Sakhaunha	386.4	63.74	119.71	16.52	189.06	100.16	0	160.93	450.14	0	0	3.89	628.35
4	Dhawada / 2C1A2b2c	Bambura, Dhawada, Dhendhaura, Dubari, Konpa, Mandaur, Mau Mustkil, Sakhaunha, Sikraun	430.61	52.85	217.73	14.66	203.05	107.57	0	172.84	483.46	0	4.83	17.83	783.78
5	Man Kunwar Mustakil / 2C1A2b3c	Man Kunwar Mustakil, Tilauli Mustk, sesa subhkara Ahatmali	247.22	24.78	75.48	15.29	114.24	60.52	0	97.24	272.00	0	27.99	16.31	425.81
6	Kotara Khambha / 2C1A2a3a	Gadhawa, Kotara Khambha, Man Kunwar Mustakil,	450.25	52.69	258	54.99	211.23	111.90	0	179.80	502.94	0	1.39	20.36	845.84
7	Gadhawa / 2C1A2a2d	Arwari Naudiya, Gadhawa, Purab Patai Mustk	146.68	15.21	101.46	75.75	67.99	36.02	0	57.88	161.89	32.24	0.53	1.33	373.2
8	Gadhawa / 2C1A2a3h	Arwari Naudiya, Gadhawa, Kotara Khambha	120	19.4	39.5	15.41	58.55	31.02	0	49.84	139.40	85.61	0.2	0.3	293.89

S. No.	Name of micro watershed	Name of village	Cultivated rainfed	Cultivated irrigated	Uncult wastelan			P	vt. Agri. Lan	ıd		Forest Land	Community land	Others (Habitat Road	Total area (ha) (Geogra-
NO.	with Code		area	area	Temp.	Perma- nent	Gen	sc	ST	ОВС	Total	Laliu	ianu	etc.)	phical)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
9	Man Kunwar Mustakil / 2C1A2b3b	Kotara Khambha, Man Kunwar, Man Kunwar Mustakil, Purab Patai Mustk, Tilauli Mustakil, Tolauli Mustkil, kotara khambha	261.57	27.83	65.31	10.07	121.55	64.39	0	103.46	289.40	0	3.73	4.39	393.96
10	Mau Mustkil / 2C1A2b2a	Dhendhaura, Dubari, Mandaur, Mau Mustkil, Mawai Kalan	481.67	43.75	104.57	12.75	220.68	116.91	0	187.84	525.42	0	19.85	51.91	770.51
11	sesa subhkara Mustk / 2C1A2b1b	Chhiolaha, Man Kunwar, Man Kunwar Mustakil, sesa subhkara Mustk, Mau Mustkil, Tilauli Mustakil, Tilauli Mustk, sesa subhkara Ahatmali	244.66	26.05	103.4	19.85	113.70	60.23	0	96.78	270.71	0	0	3.94	416.27
12	sesa subhkara Ahatmali / 2C1A2b1a	Mau Mustkil, Tilauli Mustk, sesa subhkara Ahatmali, sesa subhkara Mustk	239.94	22.5	108.35	19.14	110.22	58.39	0	93.82	262.44	0	8.15	18.56	422.97
		Total	3716.9	461.05	1510.65	415.67	1754.74	929.59	0	1493.62	4177.95	211.75	91.17	143.28	6815.97

#### LAND CAPABILITY CLASSIFICATION (LCC)

Land capability classification(LCC) is crucial for appropriate land use planting consisting of practiced 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	3054.81	Sheet Erosion
III	1632.466	Sheet and Rill Erosion
IV	881.212	Gully Erosion
V	147.101	High Gully Erosion
VI	159.851	Severe Gully Erosion
VII	153.586	Severe Gully Erosion due to water logging
VIII	253.464	-
Other	533.510	-
Total	6816.00	

(The above details have been shown in the Map)

# **Physiography:**

The micro-watershed of the IWMP-IX is located at an elevation of 73 to 184 m above mean sea level (msl) and Relief height difference from 18 m to 33 m. Elevation range and relief are given in Table 2.4.

TABLE 2.4: ELEVATION RANGE, LONGITUDE/ LATITUDE, RELIEF HEIGHT DIFFERENCE OF THE MICRO WATERSHED

S.	Watershed	Locat	ion	Elevation of	of watershed fi	rom Mean Sea level
No.	Code	Latitude (N)	Longitude (E)	Highest in Meters	Lowest in Meters	Relief Height Difference
1	2C1A2a2d	25°12'21"N to 25°14'46"N	81°28'2"E to 81°26'47"E	182	98	84
2	2C1A2a3a	25°13'6" N to 25°15'32"N	81°25'4"E to 81°27'14"E	150	75	75
3	2C1A2a3d	25°14'18"N to 25°12'32"N	81°25'12"E to 81°22'16"E	187	102	85
4	2C1A2a3e	25°11'22"N to 25°13'45"N	81°23'7"E to 81°25'8"E	184	107	77
5	2C1A2a3h	25°11'35"N to 25°13'38"N	81°28'6"E to 81°25'55"E	178	103	75
6	2C1A2b1a	25°17'5"N to 25°15'19"N	81°24'9"E to 81°22'19"E	111	75	36
7	2C1A2b1b	25°14'13"N to 25°15'44"N	81°22'27"E to 81°24'49"E	117	95	22
8	2C1A2b2a	25°16'10"N to 25°18'46"N	81°21'29"E to 81°23'29"E	109	76	33
9	2C1A2b2c	25°18'27"N to 25°16'50"N	81°19'41"E to 81°21'52"E	116	89	27
10	2C1A2b3b	25°15'45"N to 25°13'49"N	81°27'10"E to 81°24'19"E	111	74	37
11	2C1A2b3c	25°15'0"N to 25°16'17"N	81°26'22"E to 81°23'34"E	107	73	34
12	2C1A2c1e	25°18'18"N to 25°19'57"N	81°19'34"E to 81°21'58"E	109	90	19

**Slope**: Slope map of the micro-watershed was prepared using SRTM digital 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** 

				Slo	oe range v	vise area (	(ha)		
S. No.	Name of MWS & code		0.5			>5	%	Others	Specify
		0-05%	0.5- 1.0%	1-3%	3-5%	5-10%	10- 15%	15- 35%	>35%
1	2	3	4	5	6	7	8	,	9
1	Chhiolaha-I 2C1A2a3d	10.97	21.38	356.33	155.48	56.15	24.04	49.61	0.67
2	Chhiolaha-II 2C1A2a3e	1.85	14.92	314.61	180.02	132.98	56.51	48.02	-
3	Sakhaunha 2C1A2c1e	18.37	27.95	384.25	165.53	72.6	3.06		-
4	Sikraun 2C1A2b2c	18.46	41.3	554.89	228.17	46.13			-
5	Mankunwar-I 2C1A2b3c	44.69	27.64	254.58	102.62	65.66	23.48	25.34	-
6	Kotra Khambha 2C1A2a3a	12.86	26.55	504.53	246.03	108.11	19.69	8.51	-
7	Garhwa-I 2C1A2a2d	11.2	18.28	208.87	106.62	65.06	9.09	1.34	-
8	Garhwa-II 2C1A2a3h	3.51	8.75	228.95	145.7	98.39	27.66	8.46	-
9	Mankunwar-II 2C1A2b3b	7.65	18.84	268.16	105.64	36.7	6.02	10.45	-
10	Mandaur 2C1A2b2a	5.9	9.87	390.82	195.45	132.64	12.04		-
11	Sesa Subhkara-I 2C1A2b1b	12.06	20.86	313.01	102.35	18.04			-
12	Sesa Subhkara-II 2C1A2b1a	12.59	17.24	257.47	154.9	76.62	10.6	0.97	-
	Total	160.11	253.58	4036.47	1888.51	909.08	192.19	152.7	0.67

**Climate:** The climate of the region is characterized as arid to semi-arid with average annual rainfall less than 797.79 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:-

		Year/Rainfall in mm.														
Month	2004	2005	2006	2007	2008	2009	2010	Average								
Junuary	20.00	0	0	0	0	8.50	450.00	4.71								
February	0	0	0	43.00	5.50	0	22.00	10.07								
March	0	0	33.00	15.00	0	0	0	6.85								
April	0	0	8.00	0	0	6.00	0	2.00								
May	0	13.50	2.00	10.30	38.00	37.00	11.00	18.25								
June	284.00	217.00	62,00	78.00	417.00	42.00	24.00	160,57								
July	235,50	474.00	347.00	154.00	240.00	165.00	198.00	259.07								
August	136.00	143.00	220,00	150.00	30.00	210.00	152.00	159.00								
September	185.00	400.00	43.00	85.00	43.00	78.00	161.00	142.14								
October	65.00	14.00	30.00	10.00	0.00	40.00	38.00	28.14								
November	0	0	0	0	2.00	14.00	7.00	5.85								
December	0	0	0	0	0	5.00	3.00	1.14								
Total	925,50	1261.50	763.00	545.30	793.50	603.50	620,50	797.79								

Source: Data site of Agro-meteorological Deptt.

# **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** 

			Name of the		No. of	Major s	oil types		Average rainfall in	Major crops		
S. No.	Name of the District	Name of the Project	Agro-climatic zone covers project area	Area In ha	the villages	а)Туре	b) Area in ha	Topo- graphy	mm (preceding 5 years average)	a) Name	b) Area in ha	
				7410	25	Rakar Kabar		Undula-		Kharif: Jowar, Til, Arhar	1775.00	
1.	CHITRAKOOT	I.W.M.P. - IX	Bundelkhand Zone - 9			Mar Padwa	3955	Undula- tion	797.79	Rabi: Wheat, Gram, Mustard, Masoor	1938.50	
										Total	3713.50	

Source: PPR 2011-12

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-IX, CHITRAKOOT)

Name of Micro Watershed	Particulars	Villages	Pe	riodicity	Remarks
2C1A2a3d (Chhiolaha-I),	Flood		Annual	Any other (please specify)	
2C1A2a3e (Chhiolaha-II),	11000	No. of villages	-	-	Not
2C1A2c1e (Sakhaunha), 2C1A2b2c (Sikraun),		Name(s) of villages	-	-	affected
2C1A2b3c (Mankunwar-I), 2C1A2a3a (Kotra		No. of villages: 25			
Khambha), 2C1A2a2d (Garhwa- I), 2C1A2a3h (Garhwa- II), 2C1A2b3b (Mankunwar-II), 2C1A2b2a (Mandaur), 2C1A2b1b (Sesa Subhkara- I), 2C1A2b1a (Sesa Subhkara- II)	Drought	Name(s) of villages:- Arwari Naudiya, Bambura, Bamburi, Biyawal Mustkil, Chhataini Mafi, Chhiolaha, Dhawada, Dhendhaura, Dubari, Gadhawa, Konpa, Kotara Khambha, Man Kunwar, Man Kunwar Mustakil, Mandaur, Mau Mustkil, Mawai Kalan, Purab Patai Mustk, Redi bhusauli Musttk, Sakhaunha, Sikraun, Tekra, Tilauli Mustakil, sesa subhkara Ahatmali, sesa subhkara Mustk.		Alternate after every 2-3 years	Affected by drought

#### **Watershed Characteristics:**

### **Shape and Size**

The shape of watershed (IWMP-IX, 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** 

C. No.	Miana makanaka di Cada	A (I)	Chana	Approximate	size in meter
S. No.	Micro watershed Code	Area (ha)	Shape	Length	Width
1	2C1A2a2d	420.465	LINEAR	4251.13	850.09
2	2C1A2a3a	926.275	RECTANGLE	4178.73	2768.73
3	2C1A2a3d	674.638	LINEAR	1918.44	2728.44
4	2C1A2a3e	748.917	RECTANGLE	4339.48	2935.73
5	2C1A2a3h	521.429	LINEAR	2889.32	1978.33
6	2C1A2c1e	671.75	RECTANGLE	2845.23	3014.38
7	2C1A2b1a	530.398	TRIANGULAR	3187.88	2417.71
8	2C1A2b1b	466.309	LINEAR	2010.03	3668.43
9	2C1A2b2a	746.7262	TRIANGULAR	4575.34	2778.74
10	2C1A2b2c	888.951	SQUARE	2653.89	3563.83
11	2C1A2b3b	453.462	LINEAR	1520.95	2310.38
12	2C1A2b3c	544.028	TRIANGULAR	1841.09	3999.91

## 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 Ravineous 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 (I.W.M.P-IX), CHITRAKOOT

S No	Name of the Project		Soil Eros	ion (Ha)		Run-Off	Average Soil	Wind
S. No.		Sheet	Rill	Gully	Total	(mm/yr)	Loss in tons/ha/yr	Erosion
1	IWMP – IX	2140.00	2630.00	692.00	5462.00	377.24	24 to 28	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 22% 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 – IX

Name of Mines Westernia	No C	То	tal Popula	tion	Рорг	ulation of	SC/ST
Name of Micro Watershed	Name of village	Total	Male	Female	Total	Male	Female
2	3	4	5	6	7	8	9
	Arwari Naudiya	590	308	282	257	137	120
	Gadhawa	1899	995	904	600	309	291
	Purab Patai Mustk	2447	1236	1211	686	356	330
	Kotara Khambha	1641	835	806	252	128	124
	Man Kunwar Mustakil	1490	758	732	512	258	254
	Bamburi	1275	675	600	462	251	211
	Chhiolaha	2163	1158	1005	507	269	238
2C1A2a3d (Chhiolaha-I)	Tekra	UN					
2C1A2a3e (Chhiolaha-IÍ)	Tilauli Mustakil	2234	1221	1013	623	349	274
2C1A2c1e (Sakhaunha)	Chhataini Mafi	339	172	167	339	172	167
2C1A2b2c (Sikraun) 2C1A2b3c (Mankunwar-I)	Mau Mustkil	12358	6707	5831	1807	962	845
2C1A2a3a (Kotra Khambha)	Sesa Subhkara Ahatmali	UN					
2C1A2a2d (Garhwa- I)	Sesa Subhkara Mustk	2678	1436	1242	394	231	163
2C1A2a3h (Garhwa- II) 2C1A2b3b (Mankunwar-II)	Dhendhaura	UN					
2C1A2b3b (Mankunwar-11) 2C1A2b2a (Mandaur)	Dubari	641	332	309	157	82	75
2C1A2b1b (Sesa Subhkara- I)	Mandaur	2874	1523	1351	787	408	379
2C1A2b1a (Sesa Subhkara- II)	Mawai Kalan	2563	1339	1224	725	385	340
	Bambura	615	327	288	57	269 23  349 27  172 16  962 84  231 16  82 75  408 37  385 34  26 31	31
	Dhawada	UN					
	Konpa	1686	859	827	315	158	157
	Sakhaunha	1008	515	493	293	159	134
	Man Kunwar	UN					
	Sikraun	1437	708	729	381 199	182	
	Biyawal Mustkil	2892	1547	1345	340	183	157
	Redi bhusauli Musttk	589	317	272	90	51	39
T	otal	43419	22968	20631	9584	5073	4511

**Table 3.2: Details of Employment Generation** 

	Name Of	NO.				W	age emp	loyme	nt						Self empl	oyment	
S.	District	No. of mandays				No. of beneficiaries				No. of beneficiaries							
NO.	No. villages			ST	Others	Wo- men	Total	SC	ST	Others	Wo- men	Total	SC	ST	Others	Women	Total
1-	CHITRAKOOT -IX	25	0.58	1	1.28	0.45	2.31	681	_	1223	104	2008	78	1	93	27	198

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

S. No.	Names of Watershed	Name of village	No. of persons migrated	No. of days per year of migration	Major reason(s) for migrating	Distance of destination of migration from the village (km)	Occupation during migration	Income from such occupation (Rs. in lakh)
1	2	3	4	5	6		7	8
	Garhwa-I 2C1A2a2d	Arwari Naudiya	150	165 to 180	Lack of employment, less wages, Higher wages outside	300-500 km	Labour	0.25 to 0.40
1		Gadhawa	130	165 to 190		300-500 km	Labour	0.25 to 0.50
		Purab Patai Mustk	160	165 to 190		300-500 km	Labour	0.25 to 0.50
	Kotra Khambha 2C1A2a3a	Kotara Khambha	128	165 to 190		300-500 km	Labour	0.25 to 0.50
2		Man Kunwar Mustakil	150	160 to 190		300-500 km	Labour	0.25 to 0.40
	Chhiolaha-I 2C1A2a3d	Bamburi	140	165 to 190		300-500 km	Labour	0.25 to 0.50
3		Chhiolaha	155	165 to 190		300-500 km	Labour	0.25 to 0.50
		Tekra	176	155 to 180		300-500 km	Labour	0.25 to 0.50
		Tilauli Mustakil	166	165 to 190		300-500 km	Labour	0.25 to 0.30
4	Chhiolaha-II 2C1A2a3e	Chhataini Mafi	150	165 to 190		300-500 km	Labour	0.25 to 0.50
	Sesa Subhkara- II 2C1A2b1a	Mau Mustkil	162	165 to 180		300-500 km	Labour	0.25 to 0.50
5		sesa subhkara Ahatmali	170	165 to 190		300-500 km	Labour	0.25 to 0.40
		sesa subhkara Mustk	150	165 to 190		300-500 km	Labour	0.25 to 0.50

6	Mandaur 2C1A2b2a	Dhendhaura	140	165 to 190	300-500 km	Labour	0.25 to 0.50
		Dubari	148	165 to 190	300-500 km	Labour	0.25 to 0.50
		Mandaur	160	165 to 190	300-500 km	Labour	0.25 to 0.50
		Mawai Kalan	139	165 to 190	300-500 km	Labour	0.25 to 0.60
7	Sikraun 2C1A2b2c	Bambura	155	165 to 190	300-500 km	Labour	0.25 to 0.50
		Dhawada	150	165 to 190	300-500 km	Labour	0.25 to 0.50
		Konpa	160	165 to 190	300-500 km	Labour	0.25 to 0.70
		Sakhaunha	165	165 to 190	300-500 km	Labour	0.25 to 0.50
		Sikraun	150	165 to 190	300-500 km	Labour	0.25 to 0.50
	Sakhaunha 2C1A2c1e	Biyawal Mustkil	140	165 to 190	300-500 km	Labour	0.25 to 0.50
8		Redi bhusauli Musttk	125	165 to 190	300-500 km	Labour	0.25 to 0.50
	Gadhawa/ 2C1A2a3h	Arwari Naudiya	130	165 to 190	300-500 km	Labour	0.25 to 0.40
9		Gadhawa	136	165 to 190	300-500 km	Labour	0.25 to 0.50
		Kotara Khambha	140	165 to 190	300-500 km	Labour	0.25 to 0.40
	Man Kunwar Mustakil/ 2C1A2b3b	Kotara Khambha	166	165 to 190	300-500 km	Labour	0.25 to 0.50
10		Man Kunwar Mustakil	170	165 to 190	300-500 km	Labour	0.25 to 0.50
		Purab Patai Mustk	172	165 to 190	300-500 km	Labour	0.25 to 0.50
		Tilauli Mustakil	155	165 to 190	300-500 km	Labour	0.25 to 0.50
	Sesa Subhkara Mustk/ 2C1A2b1b	Chhiolaha	160	165 to 190	300-500 km	Labour	0.25 to 0.45
		Man Kunwar	120	165 to 190	300-500 km	Labour	0.25 to 0.50
		Man Kunwar Mustakil	145	165 to 190	300-500 km	Labour	0.25 to 0.50
11		sesa subhkara Mustk	135	165 to 190	300-500 km	Labour	0.25 to 0.45
		Mau Mustkil	155	165 to 190	300-500 km	Labour	0.25 to 0.50
		Tilauli Mustakil	150	165 to 190	300-500 km	Labour	0.25 to 0.50
		sesa subhkara Ahatmali	165	165 to 190	300-500 km	Labour	0.25 to 0.50
	Man Kunwar Mustakil/ 2C1A2b3c	Man Kunwar Mustakil	130	165 to 190	300-500 km	Labour	0.25 to 0.50
12		Tilauli Mustakil	150	165 to 190	300-500 km	Labour	0.25 to 0.50
		sesa subhkara Ahatmali	147	165 to 190	300-500 km	Labour	0.25 to 0.50

**Table 3.4: Typical soil profile of the watershed (dominant soil)** 

Horizon	Dpth (m)	Morphology
Α	0.00-0.50	Yellow & Black in colour, clay content 28%, with free CaCO3, sticky when moist, hard when dry, high elasticity, fissures and cracks, occasional occurrence of free calcium carbonate granules pH 8.0-8.5
В	0.50- 0.75	Whitish-Yellow in colour, high effervescence with dilute HCl, very fine mixed with free CaCO3 and granules, very hard when dry, compact & indurate hard pan, restricting development of root and downward water transmission (locally called as Point soil)
С	0.75-1.00	Red and white sand

<sup>\*</sup>Source from KVK of Chitrakoot

#### **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 3.5: Details of Soil texture in IWMP-IX, Chitrakoot** 

		Area in different Soil Group (ha)						
S. No.	MWS Name with Code	Light textured soil (sand, loamy sand)	Medium textured soil (Sandy loam, loam, silt loam)	Heavy textured soil (Clayey)	Treatable Area	Others specify		
1	Garhwa-I 2C1A2a2d	12.76	98.89	207.35	250.00			
2	Kotra Khambha 2C1A2a3a	27.40	212.35	445.25	730.00			
3	Chhiolaha-I 2C1A2a3d	20.32	157.48	330.20	546.00			
4	Chhiolaha-II 2C1A2a3e	21.84	169.26	354.90	508.00			
5	Garhwa-II 2C1A2a3h	14.80	114.70	240.50	160.00			
6	Sakhaunha 2C1A2c1e	20.40	158.10	331.50	510.00	Rakar,		
7	Sesa Subhkara-II 2C1A2b1a	15.00	116.25	243.75	375.00	Kabar, Mar, Padwa		
8	Sesa Subhkara-I 2C1A2b1b	14.08	109.12	228.80	352.00			
9	Mandaur 2C1A2b3d	22.64	175.46	367.90	658.00			
10	Sikraun 2C1A2b2c	26.84	208.01	436.15	671.00			
11	Mankunwar-II 2C1A2b3b	13.40	103.85	217.75	335.00			
12	Mankunwar-I 2C1A2b3c	14.68	113.77	238.55	367.00			
	Total	237.40	1839.85	3857.75	5462.00			

#### **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 3.6: Major Crops, their Productivity and Production in IWMP- IX, Chitrakoot

Area in ha

							Production (q)			
S. No.	Crop.	Area (ha)		Productivity (q/ha) Grain/M		Grain/Ma	in product		uel/other duct	
		Irrigated	Rainfed	Irrigated	Rainfed	ifed Irrigated Rainfed		Irrigated	Rainfed	
Α	Kharif									
1	Paddy	112.00	422.20	10.00	8.00	1120.00	3377.60	0.00	5066.40	
2	Maize	0.00	175.60	0.00	4.47	0.00	784.93	0.00	1177.40	
3	Arhar	0.00	836.40	0.00	7.87	0.00	6582.47	0.00	9873.70	
4	Urd/Mung	23.30	241.30	6.20	5.08	144.46	1225.80	0.00	1225.80	
5	vegetables (Cropwise)	11.50	0.00	50.00	0.00	575.00	12518.72	0.00	12518.72	
	Other, specify	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total	146.80	1674.50			1839.46 24489.52			29862.02	
В	Rabi									

								Production (q)			
S. No.	Crop.	Area	(ha)	Productivity (q/ha)		Grain/Ma	in product	Fodder/Fuel/other Product			
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed		
1	Wheat	100.38	1435.00	25.00	18.00	2509.5	25830.00	1890.00	38745.00		
2	Barley	34.50	227.60	12.00	10.47	414	2382.97	0.00	3574.46		
3	Masoor	0.00	273.50	0.00	4.80	0	1312.80	0.00	1641.00		
4	Gram	33.00	535.60	7.00	6.56	231	3513.54	0.00	4391.92		
5	Pea	0.00	7.50	0.00	10.43	0	78.23	0.00	78.23		
6	Mustard	60.30	696.30	6.50	4.26	391.95	2966.24	0.00	4449.36		
7	vegetables (Cropwise)	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00		
	Other, specify	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00		
	Total	228.18	3175.50			3546.45	36083.77	1890.00	52879.96		
С	Zaid										
	Grand Total	374.98	4850.00				60573.30		82741.98		
	Cultivable Area	4386.77		Crop	ping Inte	ensity	119.11				

## **Summary**

It was found that the productivity of wheat, Gram, Jowar, Arhar, Pea and Masoor is low than national and state average yield. Overall cropping intensity of the project area is 119.11%.

Name of MWS: Chhiolaha-I MWS Code: 2C1A2a3d

G N-	0	Area	(ha)	Productivity (q/ha)		
S. No.	Crop.	Irrigated	Rainfed	Irrigated	<u> </u>	
Α	Kharif					
1	Arhar	0.00	94.94	-	6.5-8.5	
2	Paddy	56.97		20-22	-	
3	Jowar, Bajra		142.41	-	7.5-9.5	
4	Urd/Mung		118.68	-	5-8	
	Total	56.97	356.03			
В	Rabi					
1	Wheat	71.21	137.67	15-20	20-22	
2	Gram	23.74	71.21	10-12	14-16	
3	Pea		23.74		-	
4	Masoor		23.74		-	
5	Mustard	9.49	37.98		4-6	
	Total	104.44	294.32			
С	Zaid					
	Total	161.40	650.35			

Name of MWS: Chhiolaha-II MWS Code: 2C1A2a3e

C No	Crop.	Area	(ha)	Productivity (q/ha)		
S. No.		Irrigated	Rainfed	Irrigated	Rainfed	
Α	Kharif			_		
1	Arhar	0.00	69.09	-	6.5-8.5	
2	Paddy	41.45		20-22	_	
3	Jowar, Bazra		103.64	-	7.5-9.5	
4	Urd/Mung		86.36	-	5-8	
	Total	41.45	259.09			
В	Rabi					
1	Wheat	51.82	100.18	15-20	20-22	
2	Gram	17.27	51.82	10-12	14-16	
3	Pea		17.27		-	
4	Masoor		17.27		-	
5	Mustard	6.91	27.64		4-6	
	Total	76.00	214.18			
С	Zaid					
	Total	117.45	473.27			

Name of MWS: Dubari

- 141 VV.3 C.U.U.E. 2 C. 1 A 2 C. 1 E	MW	IS	Code:	2C1	A2c1e
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C No	6	Area	(ha)	Productiv	ity (q/ha)
S. No.	Crop.	Irrigated	Rainfed	Irrigated	Rainfed
Α	Kharif				
1	Arhar	0.00	90.03	-	6.5-8.5
2	Paddy	54.02		20-22	-
3	Jowar, Bazra		135.04	-	7.5-9.5
4	Urd/Mung		112.54	-	5-8
	Total	54.02	337.61		
В	Rabi				
1	Wheat	67.52	130.54	15-20	20-22
2	Gram	22.51	67.52	10-12	14-16
3	Pea		22.51		-
4	Masoor		22.51		-
5	Mustard	9.00	36.01		4-6
	Total	99.03	279.09		
С	Zaid				
	Total	153.05	616.69		

Name of MWS: Dhawada

#### MWS Code: 2C1A2b2c

C No	Crop.	Area	(ha)	Productivity (q/ha)		
S. No.	сгор.	Irrigated	Rainfed	Irrigated	Rainfed	
Α	Kharif			_		
1	Arhar	0.00	96.70	-	6.5-8.5	
2	Paddy	58.02		20-22	-	
3	Jowar, Bazra		145.05	-	7.5-9.5	
4	Urd/Mung		120.88	-	5-8	
	Total	58.02	362.63			
В	Rabi					
1	Wheat	72.53	140.22	15-20	20-22	
2	Gram	24.18	72.53	10-12	14-16	
3	Pea		24.18		-	
4	Masoor		24.18		-	
5	Mustard	9.67	38.68		4-6	
	Total	106.37	299.77			
С	Zaid					
	Total	164.39	662.40			

#### Name of MWS: Man Kunwar Mustakil MWS Code: 2C1A2b3c

C. No.	6	Area	(ha)	Productiv	rity (q/ha)
S. No.	Crop.	Irrigated	Rainfed	Irrigated	Rainfed
Α	Kharif				
1	Arhar	0.00	54.50	-	6.5-8.5
2	Paddy	32.70		20-22	-
3	Jowar, Bazra		81.75	-	7.5-9.5
4	Urd/Mung		68.13	-	5-8
	Total	32.70	204.38		
В	Rabi				
1	Wheat	40.88	79.03	15-20	20-22
2	Gram	13.63	40.88	10-12	14-16
3	Pea		13.63		-
4	Masoor		13.63		-
5	Mustard	5.45	21.80		4-6
	Total	59.95	168.95		
С	Zaid				
	Total	92.65	373.33		

MWS Code: 2C1A2a3a

#### Name of MWS: Kotara Khambha

S. No.	6	Area	(ha)	Productiv	ity (q/ha)
5. NO.	Crop.	Irrigated	Rainfed	Irrigated	Rainfed
Α	Kharif				
1	Arhar	0.00	100.58	-	6.5-8.5
2	Paddy	60.35		20-22	-
3	Jowar, Bazra		150.87	-	7.5-9.5
4	Urd/Mung		125.73	-	5-8
	Total	60.35	377.18		
В	Rabi				
1	Wheat	75.44	145.84	15-20	20-22
2	Gram	25.15	75.44	10-12	14-16
3	Pea		25.15		-
4	Masoor		25.15		-
5	Mustard	10.06	40.23		4-6
	Total	110.64	311.80		
С	Zaid				
	Total	170.99	688.97		

#### Name of MWS: Gadhawa

М	W	IS	Co	de:	2C1	Δ2:	<b>a</b> 2d
_		_					<b>12</b> 4

C. No.	6	Area	(ha)	Productiv	rity (q/ha)
S. No.	Crop.	Irrigated	Rainfed	Irrigated	Rainfed
Α	Kharif				
1	Arhar	0.00	32.36	-	6.5-8.5
2	Paddy	19.42		20-22	-
3	Jowar, Bazra	48.54	-	7.5-9.5	
4	Urd/Mung		40.45	-	5-8
	Total	19.42	121.35		
В	Rabi				
1	Wheat	24.27	46.92	15-20	20-22
2	Gram	8.09	24.27	10-12	14-16
3	Pea		8.09		-
4	Masoor		8.09		-
5	Mustard	3.24	12.94		4-6
	Total	35.60	100.32		
С	Zaid				
	Total	55.01	221.67		

### Name of MWS: Gadhawa

#### MWS Code: 2C1A2a3h

C No	C	Area	(ha)	Productiv	rity (q/ha)
S. No.	Crop.	Irrigated	Rainfed	Irrigated	Rainfed
Α	Kharif				
1	Arhar	0.00	28.00	-	6.5-8.5
2	Paddy	16.80		20-22	-
3	Jowar, Bazra		42.00	-	7.5-9.5
4	Urd/Mung		35.00	-	5-8
	Total	16.80	105.00		
В	Rabi				
1	Wheat	21.00	40.60	15-20	20-22
2	Gram	7.00	21.00	10-12	14-16
3	Pea		7.00		-
4	Masoor		7.00		-
5	Mustard	2.80	11.20		4-6
	Total	30.80	86.80		
С	Zaid				
	Total	47.60	191.80		

#### Name of MWS: Man Kunwar Mustakil MWS Code: 2C1A2b3b

C No	<b>6</b>	Area	(ha)	Productiv	rity (q/ha)
S. No.	Crop.	Irrigated	Rainfed	Irrigated	Rainfed
Α	Kharif				
1	Arhar	0.00	57.89	-	6.5-8.5
2	Paddy	34.74		20-22	-
3	Jowar, Bazra		86.84	-	7.5-9.5
4	Urd/Mung		72.37	-	5-8
	Total	34.74	217.10		
В	Rabi				
1	Wheat	43.42	83.95	15-20	20-22
2	Gram	14.47	43.42	10-12	14-16
3	Pea		14.47		-
4	Masoor		14.47		-
5	Mustard	5.79	23.16		4-6
	Total	63.68	179.47		
С	Zaid				
	Total	98.42	396.57		

#### Name of MWS: Mau Mustkil MWS Code: 2C1A2b2a

C No	6	Area	(ha)	Productiv	ity (q/ha)
S. No.	Crop.	Irrigated	Rainfed	Irrigated	Rainfed
Α	Kharif				
1	Arhar	0.00	105.08	-	6.5-8.5
2	Paddy	63.05		20-22	-
3	Jowar, Bazra		157.63	-	7.5-9.5
4	Urd/Mung		131.36	-	5-8
	Total	63.05	394.07		
В	Rabi				
1	Wheat	78.81	152.37	15-20	20-22
2	Gram	26.27	78.81	10-12	14-16
3	Pea		26.27		-
4	Masoor		26.27		-
5	Mustard	10.51	42.03		4-6
	Total	115.59	325.76		
С	Zaid				
	Total	178.64	719.83		

#### Name of MWS: Sesa Subhkara Mustk MWS Code: 2C1A2b1b

C. No.	6	Area	(ha)	Productiv	rity (q/ha)		
S. No.	Crop.	Irrigated	Rainfed	Irrigated	Rainfed		
Α	Kharif						
1	Arhar	0.00	54.14	-	6.5-8.5		
2	Paddy	32.48		20-22	-		
3	Jowar, Bazra	81.21		81.21	-	7.5-9.5	
4	Urd/Mung		67.68	-	5-8		
	Total	32.48	203.03				
В	Rabi						
1	Wheat	40.61	78.50	15-20	20-22		
2	Gram	13.54	40.61	10-12	14-16		
3	Pea		13.54		-		
4	Masoor		13.54		-		
5	Mustard	5.41	21.66		4-6		
	Total	59.55	167.83				
С	Zaid						
	Total	92.04	370.86				

#### Name of MWS: Sesa Subhkara Ahatmali MWS Code: 2C1A2b1a

C. No.	C	Area	(ha)	Productiv	ity (q/ha)
S. No.	Crop.	Irrigated	Rainfed	Irrigated	Rainfed
Α	Kharif				
1	Arhar	0.00	52.49	-	6.5-8.5
2	Paddy	31.49		20-22	-
3	Jowar, Bazra		78.73	-	7.5-9.5
4	Urd/Mung		65.61	-	5-8
	Total	31.49	196.83		
В	Rabi				
1	Wheat	39.37	76.11	15-20	20-22
2	Gram	13.12	39.37	10-12	14-16
3	Pea		13.12		-
4	Masoor		13.12		-
5	Mustard	5.25	21.00		4-6
	Total	57.74	162.71		
С	Zaid				
	Total	89.23	359.54		

#### **Horticulture Status in the Micro-watershed**

There is no systematic agroforestry and orchard in the project area, however, scattered trees are found in the study area. The details are given below:

#### **Livestock Population**

**Table 3.7: Livestock Population in IWMP- IX, Chitrakoot** 

All Figure in No.

MWS Code &	Villago Name	Total	С	ow	Buf	ffalo	Goat	Sheep	Pig	Poultry
Name	Village Name	Population	Desi	H.breed	Desi	Murrah	Goat	Sneep	Pig	Poultry
	Arwari Naudiya	590	624	267	214	83	148	42	0	150
2C1A2a3d	Gadhawa	1899	2459	1054	843	328	586	167	56	139
(Chhiolaha-I) 2C1A2a3e	Purab Patai Mustk	2447	3272	1402	1122	436	779	223	74	185
(Chhiolaha-II)	Kotara Khambha	1641	2079	891	713	277	495	141	47	118
2C1A2c1e	Man Kunwar Mustakil	1490	1784	764	611	238	425	121	40	101
(Sakhaunha) 2C1A2b2c	Bamburi	1275	1526	654	523	204	363	104	35	87
(Sikraun)	Chhiolaha	2163	2741	1175	940	365	653	186	62	155
2C1A2b3c	Tekra	0	0	0	0	0	0	0	0	0
(Mankunwar-I) 2C1A2a3a	Tilauli Mustakil	2234	2987	1280	1024	398	711	203	68	169
(Kotra	Chhataini Mafi	339	358	154	123	48	85	24	0	0
Khambha)	Mau Mustkil	12358	15658	6710	5368	2088	3728	1065	355	888
2C1A2a2d (Garhwa- I)	sesa subhkara Ahatmali	0	0	0	0	0	0	0	0	0
2C1A2a3h (Garhwa- II)	sesa subhkara Mustk	2678	3018	1294	1035	402	719	205	68	171
2C1A2b3b	Dhendhaura	0	0	0	0	0	0	0	0	0
(Mankunwar-	Dubari	641	722	310	248	96	172	49	16	41
II)	Mandaur	2874	3441	1475	1179	459	819	234	78	195
2C1A2b2a (Mandaur)	Mawai Kalan	2563	3068	1315	1052	409	730	209	70	174
2C1A2b1b	Bambura	615	650	279	223	87	155	44	0	0
(Sesa	Konpa	1686	1782	764	611	238	424	121	40	101
Subhkara- I)	Sakhaunha	1008	1136	487	390	151	270	77	26	64
2C1A2b1a (Sesa	Sikraun	1437	1620	694	555	216	386	110	37	92
(Sesa Subhkara- II)	Biyawal Mustkil	2892	3462	1484	1187	461	824	235	78	196
	Redi bhusauli Musttk	589	664	284	228	88	158	45	0	0
Total		43419	53048	22735	18188	7073	12631	3609	1151	3027

**Table 3.8: Details of Livestock Productivity** 

		Milk	Production	(Liter Pe	day)	Goatry	Poi	ultry	
S. No.	Name of Village	(	Cows	Buf	falos	Weight in	Broiler Weight in	Layers No. of	Piggeries weight Kg/Pig
		Desi	Crossed	Desi	Murrah	Kg/goat	Kg/ Brl	eggs/day	Kg/Fig
1	2	3	4	5	6	7	8	9	10
1	Arwari Naudiya	1.6	2.5	2.1	7	15	1.0 - 2.0	10	40
2	Gadhawa	1.5	2.8	2.2	7	18	1.0 - 2.0	12	30
3	Purab Patai Mustk	1.6	2.8	2.6	6	27	1.0 - 2.2	10	47
4	Kotara Khambha	otara Khambha 1.4		2.4	7	21	1.0 - 2.0	7	44
5	Man Kunwar Mustakil	1.6	2.8	2.6	7	29	1.0 - 2.0	10	8
6	Bamburi	1.4	2.9	2.6	7	25	1.0-2.2	8	7
7	Chhiolaha	1.4	2.8	2.6	7	15	1.0 - 2.0	9	12
8	Tekra	1.6	2.8	2.6	7	25	1.0 - 2.0	10	40
9	Tilauli Mustakil	1.4	2.8	2.6	7	15	1.0 - 2.0	12	30
10	Chhataini Mafi	1.5	3.1	2.4	7	18	1.0 - 2.2	10	47
11	Mau Mustkil	1.6	2.8	2.6	7	13	1.0 - 2.0	7	44
12	sesa subhkara Ahatmali	1.5	2.9	2.8	6	21	1.0 - 2.0	10	8
13	sesa subhkara Mustk	1.6	2.8	2.6	7	25	1.0-2.2	8	7
14	Dhendhaura	1.3	2.8	2.6	7	16	1.0 - 2.0	9	12
15	Dubari	1.6	2.5	2.4	7	20	1.0 - 2.0	10	40
16	Mandaur	1.4	2.8	2.7	7	18	1.0 - 2.0	12	30
17	Mawai Kalan	1.4	2.8	2.9	7	13	1.0 - 2.2	10	47
18	Bambura	1.6	2.9	2.8	7	21	1.0 - 2.0	7	44
19	Konpa	1.5	2.8	2.8	7	25	1.0 - 2.0	10	8
20	Sakhaunha	1.4	2.8	2.6	7	16	1.0-2.2	8	7
21	Sikraun	1.6	3.2	2.5	7	20	1.0 - 2.0	9	12
22	Biyawal Mustkil	1.8	2.8	2.7	6	18	1.0 - 2.0	10	40
23	Redi bhusauli Musttk	1.6	2.8	2.9	7	13	1.0 - 2.0	10	40
	Average	1.51	2.59	2.6	6.86	19.43			

#### **SUMMARY OF LIVELIHOOD**

S. No.	Names of the villages	Existing livelihood activities	Possible livelihood interventions under the project	Current status of migration (No. of people)	Main reasons for migration
1-			<ul><li>1-Horticulutre</li><li>2-Vegitable Production</li><li>3- Fishries</li><li>4- Vermi Culture</li><li>5- Poultry</li><li>6- Food Processing</li></ul>	3080	For Better Livelihood

#### **Table 3.9: Ground Water Status**

C. No.	Name & Code of Micro	Name of Village		r Table(Below Ground n Meter	No. of Observation well	Demonstra
S. No.	watershed	Name of Village	Before Monsoon (Avg.)	After Monsoon (Avg.)	No. of Observation well	Remarks
1	2	3	4	5	6	7
1	Garhwa-I 2C1A2a2d	Arwari Naudiya, Gadhawa, Purab Patai Mustk	Avg. 19.40	Avg. 17.40	5	
2	Kotra Khambha 2C1A2a3a	Gadhawa, Kotara Khambha, Man Kunwar Mustakil, Purab Patai Mustk, kotara khambha	Avg. 17.60	Avg. 15.60	6	
3	Chhiolaha-I 2C1A2a3d	Bamburi, Chhiolaha, Kotara Khambha, Man Kunwar, kotara khambha, Man Kunwar Mustakil, Tekra, Tilauli Mustakil, Tolauli Mustkil	Avg. 16.80	Avg. 14.80	8	
4	Chhiolaha-II 2C1A2a3e	Bamburi, Chhataini Mafi, Chhiolaha, Tekra	Avg. 19.40	Avg. 17.40	7	
5	Garhwa-II 2C1A2a3h	Arwari Naudiya, Gadhawa, Kotara Khambha	Avg. 19.40	Avg. 17.40	4	
6	Sesa Subhkara-II 2C1A2b1a	Mau Mustkil, Tilauli Mustk, sesa subhkara Ahatmali, sesa subhkara Mustk	Avg. 16.80	Avg. 14.80	6	
7	Sesa Subhkara-I 2C1A2b1b	Chhiolaha, Man Kunwar, Man Kunwar Mustakil, sesa subhkara Mustk, Mau Mustkil, Tilauli Mustakil, Tilauli Mustk, sesa subhkara Ahatmali	Avg. 17.60	Avg. 15.60	8	

8	Mandaur 2C1A2b2a	Dhendhaura, Dubari, Mandaur, Mau Mustkil, Mawai Kalan	Avg. 19.40	Avg. 17.40	9	
9	Sikraun 2C1A2b2c	Bambura, Dhawada, Dhendhaura, Dubari, Konpa, Mandaur, Mau Mustkil, Sakhaunha, Sikraun	Avg. 19.40	Avg. 17.40	5	
10	Mankunwar-II 2C1A2b3b	Kotara Khambha, Man Kunwar, Man Kunwar Mustakil, Purab Patai Mustk, Tilauli Mustakil	Avg. 16.80	Avg. 14.80	6	
11	Mankunwar-l 2C1A2b3c	Man Kunwar Mustakil, Tilauli Mustk, sesa subhkara Ahatmali	Avg. 19.40	Avg. 17.40	7	
12	Sakhaunha 2C1A2c1e	Bambura, Biyawal Mustkil, Dubari, Mandaur, Redi bhusauli Musttk, Sakhaunha	Avg. 16.80	Avg. 14.80	4	

# **Table 3.10: Details of infrastructure in the project areas**

S. No.	Name of village	Pakka Road	Electricity	Primary School	Jun. High School Km	Inter college Km.	Post Off. Km.	P.H.C. Km.	Bank Km.	Vetnary hospital Km.	Co-op Society Km.	Market Km.	Agri. Servic centre Km.
1	Arwari Naudiya	√	1 km	√	5 km	3 km	3 km	3 km	3km	3km	3km	3km	3km
2	Gadhawa	√	√	√	√	9 km	9 km	9 km	9 km	9 km	9 km	9 km	9 km
3	Purab Patai Mustk	√	√	√	√	9 km	9 km	9 km	9 km	9 km	9 km	9 km	4 km
4	Kotara Khambha	√	√	√	√	5 km	5 km	3 km	5 km	3 km	3 km	9 km	9 km
5	Man Kunwar Mustakil	√	√	√	5 km	5 km	5 km	5 km	5 km	5 km	5 km	5 km	5 km
6	Bamburi	√	√	√	√	5 km	5 km	5 km	5 km	5 km	5 km	5 km	4 km
7	Chhiolaha	√	√	√	√	5 km	5 km	5 km	5 km	5 km	5 km	5 km	5 km
8	Tekra	√	√	√	√	8 km	8 km	8 km	8 km	8 km	8 km	8 km	8 km
9	Tilauli Mustakil	√	√	√	1 km	5 km	5 km	5 km	5 km	5 km	5 km	5 km	5 km
10	Chhataini Mafi	√	√	√	6 km	9 km	9 km	9 km	9 km	9 km	9 km	9 km	9 km
11	Mau Mustkil	√	√	√	7 km	7 km	7 km	7 km	7 km	7 km	7 km	7 km	7 km

S. No.	Name of village	Pakka Road	Electricity	Primary School	Jun. High School Km	Inter college Km.	Post Off. Km.	P.H.C. Km.	Bank Km.	Vetnary hospital Km.	Co-op Society Km.	Market Km.	Agri. Servic centre Km.
12	sesa subhkara Ahatmali	√	√	√	5 km	5 km	5 km	5 km	5 km	5 km	5 km	5 km	5 km
13	sesa subhkara Mustk	√	1 km	√	5 km	3 km	3 km	3 km	3km	3km	3km	3km	3km
14	Dhendhaura	√	√	√	√	9 km	9 km	9 km	9 km	9 km	9 km	9 km	6 km
15	Dubari	√	√	√	√	9 km	9 km	9 km	9 km	9 km	9 km	9 km	9 km
16	Mandaur	√	√	√	√	9 km	9 km	9 km	9 km	9 km	9 km	9 km	6 km
17	Mawai Kalan	√	√	√	5 km	5 km	5 km	5 km	5 km	5 km	5 km	5 km	5 km
18	Bambura	√	√	√	√	5 km	5 km	5 km	5 km	5 km	5 km	5 km	5 km
19	Dhawada	√	√	√	√	5 km	5 km	5 km	5 km	5 km	5 km	5 km	5 km
20	Konpa	√	√	√	√	8 km	8 km	8 km	8 km	8 km	8 km	8 km	5 km
21	Sakhaunha	√	√	√	1 km	5 km	5 km	5 km	5 km	5 km	5 km	5 km	5 km
22	Sikraun	√	√	√	6 km	9 km	9 km	9 km	9 km	9 km	9 km	9 km	6 km
23	Biyawal Mustkil	√	√	√	2 km	4 km	4 km	4 km	4 km	4 km	4 km	4 km	4 km
24	Redi bhusauli Musttk	√	√	√	7 km	7 km	7 km	7 km	7 km	7 km	7 km	7 km	7 km
25	Man Kumar	√	√	√	7 km	7 km	7 km	7 km	7 km	7 km	7 km	7 km	6 km

The details of PRA exercise/pre-Entry Point Programme in the Project Area



# CHAPTER - 4 INSTITUTION BUILDING & PROJECT MANAGEMENT

**Project Implementing Agency:** The Project Implementing Agency (PIA) for IWMP-IX, Chitrakoot is BSA, Bhoomi Sanrakshan Unit, Agriculture Department, District Chitrakoot, Uttar Pradesh. The project implementing agency was selected by State Level Noday Agency (SLNA) for Integrated Watershed Management Program (IWMP) in Chitrakoot district. The PIA was given responsibility to develop the microwatershed by District Watershed Development Unit (DWDU) 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)** 

S. No.		Particulars of PIA
1	2	3
(i)	Date of selection of PIA	August 2011
(ii)	Type of organization	Govt.
(iii)	Name of organization	Department of Agriculture, District Chitrakoot
(iv)	Designation & Address	BSA, Bhoomi Sanrakshan Adhikari, Soil Conservation Unit, Department of Agriculture, District Chitrakoot
(v)	Telephone	05198-235033
(vi)	Fax	-
(vii)	E-mail	-

Table 4.2: Details of Staff at PIA

S. No.	Designation	Name	M/F	Qualification	Field of Experience & Period	Remarks
1	2	3		4	5	6
1	B.S.A.	Shri G.P. Kushwaha	М	B.Tech. Agri Engg.	32	
2	Tech. Assitant	Shri M.S. Anjum	М	Diploma Civil Engg.	31	
3	Junior Engineer	Shri Prabhakar Shukla	М	Intermediate, Civil Engg. Diploma	20	
4	Accountant	Shri Munna Lal	М	B.Com	17	
5	Sr. Clerk	Shri R.M. Tripathi	М	B.A.	20	
6	Jr. Clerk	Shri Prashant Kumar	М	B.A.	9	
7	Jr. Clerk	Shri Sunil Kumar	М	B.A.	2	
8	Draftman	Shri Pacchai Pal	М	Intermediate	26	
9	Traser	Shri Pacchai Pal	М	Intermediate	26	
10	S.C.I.	Shri Har Prakash Nayak	М	Intermediate, Diploma(A.g.)	30	
11	S.C.I.	Shri Hari Ram Batham	М	Intermediate, Diploma(A.g.)	29	
12	S.C.I.	Shri Ramesh Chandra Verma	М	Intermediate, Diploma(A.g.)	31	
13	S.C.I.	Shri Shivram	М	B.Sc. (Ag.)	28	
14	A.S.C.I.	Shri Mahendra Prasad	М	B.Sc. (Ag.)	30	

S. No.	Designation	Name	M/F	Qualification	Field of Experience & Period	Remarks
1	2	3		4	5	6
15	A.S.C.I.	Shri Har Prasad Vishwakarma	М	B.Sc. (Ag.)	25	
16	A.S.C.I.	Shri Laxmanram	М	B.Sc. (Ag.)	22	
17	A.S.C.I.	Shri Jagdish Bahadur	М	M.Sc. (Ag.)	20	
18	A.S.C.I.	Shri Ugrasen	М	Diploma (Ag.)	34	
19	A.S.C.I.	Shri Brijkishor Kushwaha	М	B.Sc. (Ag.)	22	
20	A.S.C.I.	Shri Rajendra Singh	М	Diploma (Ag.)	32	
21	A.S.C.I.	Shri Nand Kishor Yadav	М	B.Sc. (Ag.)	32	
22	A.S.C.I.	Shri Yogendra Srivastava	М	B.Sc. (Ag.)	25	
23	A.S.C.I.	Shri Sant Ram	М	B.Sc. (Ag.)	31	
24	A.S.C.I.	Shri Chhedi Lal	М	B.Sc. (Ag.)	32	

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

1	2	3	4	5	6	7	8
S. No.	Name of WDT member	M/F	Age	Qualification / Experience	Description of professional training	Role/ Function	Date of appointment of WDT member
1.	Shri Har Prakash Nayak	М	56	Intermediate, Diploma(A.g.)	Soil/ Land Management	Agriculture Demonstration	Nov. 2011
2.	Shri Hari Ram Batham	М	58	Intermediate, Diploma(A.g.)	Soil Conservation	Livelihood	Nov. 2011
3.	Shri Ramesh Chandra Verma	F	55	Intermediate, Diploma(A.g.)	Soil Conservation	Horticulture	Nov. 2011
4.	Shri Shivram	М	54	B.Sc. (Ag.)	Soil Conservation	Soil Conservation	Nov. 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) Name of Project: IWMP -IX, District: CHITRAKOOT

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
SI. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Name	Designation	M/F	SC	ST	SF	MF	I.F	Land-less	ne	SHG	GP	Any other	Educa-tional qualifi- cation	Function(s) assigned#
			Lalit Kumar	President	М	-	-	-	-	٧	-	-	-	-	-	Intermediate	-
			Prem Shankar	Secretary/Work Incharge	М	-	-	1	1	٧	-	-	-	-	-	Post Graduate	-
			Kalpana Devi	Member	F	1	-	-	-	-	-	-	-	٧	-	Intermediate	-
			Nathu	Member	Μ	٧	-	٧	-	-	ı	٧	-	-	1	Primary	-
1	Sakhaunha	20/10/2011	Khilawan	Member	М	٧	-	٧	-	-	-	٧	-	-	-	Primary	-
			Kodu	Member	М	٧	-	٧	-	-	-	٧	-	-	-	Primary	-
			Ram Balak	Member	М	٧	-	٧	-	-	-	٧	-	-	-	Primary	-
			Ram Badan	Member	М	٧	-	٧	-	-	-	٧	-	-	-	Primary	-
			Shiv Mohan	Member	М	-	-	-	-	-	٧	-	٧	-	-	Primary	-
			Moti	Member	М	-	-	-	-	-	٧	-	٧	-	-	Primary	-
			Vimla Devi	President	М	٧	-	-	-	-	٧	-	-	٧	-	High School	-
			Dina Shankar	Secretary/Work Incharge	М	٧	-	1	1	ı	٧	-	-	٧	ı	High School	-
			Bhodwa	Member	Μ	٧	-		1	ı	ı	-	٧	٧	1	Illiterate	-
			Harish Chandra	Member	Μ	ı	-	٧	1	ı	ı	٧	-	-	1	Jr. High School	-
			Lallu	Member	М	-	-	-	٧	-	-	٧	-	-	-	Illiterate	-
			Ram Lal	Member	М	٧	-	1	٧	•	-	٧	-	-	-	Jr. High School	-
2	Tikra	20/10/2011	Nanka	Member	М	-	-	-		-	-	٧	-	-	-	Illiterate	-
			Dharam Das	Member	М	٧	-	-	•	•	٧	-	٧	٧	-	High School	-
			Sonia	Member	F	٧	1	-	-	-	٧	-	-	٧	-	High School	-
			Shri Krishan	Member	М	٧	-	-	•	•	٧	-	٧	٧	ı	illiterate	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
SI. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Name	Designation	M/F	)S	ST	SF	MF	- F	Land-less	90	SHG	dĐ	Any other	Educa-tional qualifi- cation	Function(s) assigned#
			Ram Lakhan	President	М	-	-	-	-	٧	-	-	-	٧	1	Graduate	-
			Ram Shushil Singh	Secretary/Work Incharge	М	-	-	-	٧	-	-	-	-	٧	-	High School	-
			Param Sukh	Member	М	-	-	-	٧	-	-	٧	-	٧	-	Primary	-
			Surya Bhan	Member	М	٧	-	٧	-	-	-	٧	-	-	-	Primary	-
3	Gadwa	13/1/2012	Shiv Bahadur	Member	М	-	-	-	٧	-	-	٧	-	-	-	Jr. High School	-
	Jana	20, 2, 2022	Dharam Narayan	Member	М	1	-	-	٧	-	-	٧	-	-	-	High School	-
			Ramesh	Member	М	-	-	-	٧	-	-	٧	-	-	-	Jr. High School	-
			Sunita	Member	F	٧	-	-	-	-	٧	-	٧	-	-	Primary	-
			Gitti	Member	F	٧	-	-	-	-	٧	-	٧	-	1	Illiterate	-
			Kushla	Member	F	٧	-	-	-	-	٧	-	٧	-	1	Illiterate	-
			Suresh Tiwari	President		-	-	-	-	٧	-	-	-	-	-	High School	-
			Krishan Kumar	Secretary/Work Incharge		-	-	٧	-	-	-	-	٧	-	-	Intermediate	-
			Jai Prakash	Member	М	-	-	٧	-	-	-	-		٧		Jr. High School	-
			Dharm Rajpal	Member	М	-	-	-	٧	-	-	-	٧	-	1	Jr. High School	-
			Rambali Maurya	Member	М	-	-	-	-	-	٧		٧	-	ı	Jr. High School	-
			Shivbhavan	Member	М	-	-	-	-	٧	-	٧		-	-	Intermediate	-
4	Chhiloha	12/1/2012	Narendra Tivari	Member	М	-	-	٧	-	-	-	-	-	-	-	Jr. High School	-
-	Cililiona	12/1/2012	Dujai	Member	М	٧	-	-	-	-	-	٧		-	-	Jr. High School	-
			Savitri Devi	Member	F	-	-	-	-	-	٧		٧	-	-	Jr. High School	-
			Satya Narayan	Member	М	-	-	٧	٧	-	-	-	-	-	-	Jr. High School	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
SI. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Name	Designation	M/F	SC	ST	SF	MF	LF.	Land-less	9N	SHG	дБ	Any other	Educa-tional qualifi- cation	Function(s) assigned#
			Ram Suraj Yadav	President	М	-	-	-	٧	-	-	-	-	-	٧	Jr. High School	-
			Jitendra Singh	Secretary/Work Incharge	М	-	٧	-	-	-	-	-	-	-	٧	Graduate	-
			Shankar	Member	М	٧	٧	-	-	-	-	٧	-	-	-	Primary	-
			Bhairav	Member	М	٧	1	1	٧	-	-	٧	-	-	-	Primary	-
5	Ban Burii	14-12-2011	Akval	Member	М	-		٧	-	-	-	٧	-	1	-	Jr. High School	-
			Dev prakash	Member	М	-		٧	ı	-	-	-	٧	1	-	Primary	-
			Kalla	Member	М	٧	-	1	-		٧	-	٧	-	-	Primary	-
			Somati	Member	F	٧	-	1	-	-	٧	-	٧	-	-	Illiterate	-
			Nisha Shingh	Member	F	•		٧	ı	-	٧	•	٧	-	-	Illiterate	-
			Budhai		М	٧		٧	-	-	-	٧	-	-	-	Illiterate	-
			Shanti Devi	President	F	٧	-	-	-	-	٧	-	-	-	-	Jr. High School	-
			Rambahori	Secretary/Work Incharge	М	٧	-	٧	-	-	-	-	-	-	٧	Intermediate	-
			Munni Devi	Member	F	٧	-	٧	-	-	٧	-	٧	-	-	Nirakshar	-
			Rminiya Devi	Member	F	٧	-	-	-	-	٧	-	٧	-	-	Nirakshar	-
6		15-1-2012	Vihari	Member	М	٧	-	-	٧	-	٧	٧	-	-	-	Jr. High School	-
			Bachai	Member	М	٧	-	-	-	-	-	٧	-	-	-	Nirakshar	-
	Chhitair:		Chunukoo	Member	М	>	ı	1	1	-	1	>	1	ı	-	Nirakshar	-
	Chhitaini Mali		Shivjatan	Member	М	٧	ı	ı	ı	-	-	٧	-	i	-	Nirakshar	-
	iviali		Raj bli	Member	F	٧	-	1	-	-	٧	-	٧	-	-	Nirakshar	-
			Ama Devi	Member	F	٧	ı	ı	•	-	٧	•	٧	-	-	Nirakshar	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Sl. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Name	Designation	M/F	SC	ST	SF	MF	LF	Land-less	9N	SHG	GР	Any other	Educa-tional qualifi- cation	Function(s) assigned#
			Chhotelalal	President	М	-	-	٧	-	-	-	-	-	-	٧	Jr. High School	-
			Dhua Prasad	Secretary/Work Incharge	М	-	-	٧	-	-	-	-	-	-	٧	High School	-
			Ashish Shingh	Member	М	-	-	٧	-	-	-	-	٧	-		Graduate	-
7	Bhitari	14/1/2012	Jitendra Shingh	Member	М	-	-	-	-	-	-	-	٧	-	-	Intermediate	-
			Prabhavati	Member	F	-	-	٧	-	-	٧	-	٧	-	-	Primary	-
			SridharSukla	Member	М	-	1	-	-	٧	-	٧	-	1	1	High School	-
			Rames Chand	Member	М	-	-	٧	-	-	-	٧	-	-	-	Jr. High School	-
			Ramesvar	Member	М		-	٧	-	-	-	٧	-	-	-	Jr. High School	-
			Gulavi	Member	F	٧	-	-	-	-	٧	-	-	٧	-	Primary	-
			Mahadev	Member	М	-	-	-	٧	-	-	٧	-	-	-	Jr. High School	-
			Shitala Prasad	President	М	-	1	٧	1	-	-	٧	-	-	-	High School	-
			Shankrdyal	Secretary/Work Incharge	М	-	-	٧	-	-	-	-	-	-	٧	High School	-
			Bholanath	Member	М	-	-	-	-	-	٧	٧	-	-	-	Jr. High School	-
			Bhagawati	Member	М	-	-	٧	-	-	-	٧	-	ı	ı	High School	-
8	Tilauli	12/1/2012	Lalitnarayan	Member	М	-	-	٧	-	-	-	٧	-	ı	ı	Jr. High School	-
			Rajkumar	Member	М	-	_	٧	-	_	_	-	٧	-	-	Jr. High School	-
			Usha Devi	Member	F	-	-	-	-	-	٧	-	٧	-	-	Jr. High School	-
			Rajesh Kumar	Member	М	-	-	-	-	-	٧	-	٧	-	-	Jr. High School	-
			Surendra	Member	М	-	-	-	-	-	٧	-	٧	-	-	Jr. High School	-
			Prithvi Pal	Member	М	-	-	-	٧	-	-	٧	-	-	ı	Jr. High School	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
SI. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Name	Designation	H/F	SC	IS	JS	MF	ЭЛ	Land-less	90	SHG	dĐ	Any other	Educa-tional qualifi- cation	Function(s) assigned#
			Chandra Shekhar Verma	President	М	٧	-	-	-	٧	-	-	-	-	-	High School	-
			Bhagwati	Secretary/Work Incharge	М	٧	i	٧	1	-	-	1	-	-	٧	High School	-
			Chote Lal	Member	М	٧	-	٧	-	-	-	٧	-	-	٧	Jr. High School	-
9	Mandour	5/11/2011	Chandra Bhan	Member	М	-	-	٧	-	-	-	٧	-	-	٧	Jr. High School	-
	Wanaoai	3/11/2011	Manoj Kumar	Member	М	-	-	٧	-	-	-	-	٧	-	-	Illiterate	-
			Badku	Member	М	٧	-	٧	-	-	-	-	٧	-	-	High School	-
			Sharda	Member	М	-	-	٧	-	-	-	-	-	-	-	High School	-
			Asharfi	Member	М	٧	-	٧	-	-	-	٧	-	-	-	Jr. High School	-
			Vishram	Member	М	-	-	٧	-	-	-	-	٧	-	-	Illiterate	-
			Devidin	Member	М	٧	-	٧	-	-	-	-	٧	-	-	Illiterate	-
			Nagendra	President	М	-	-	-	-	٧	-	-	-	٧	٧	High School	-
			Lal Chandra	Secretary/Work Incharge	М	-	1	-	٧	-	-	٧	-	-	-	High School	-
			Om Prakash	Member	М	-	-	٧	-	-	-	٧	-	-	-	Primary	-
	6		Dashrath	Member	М	٧	1	٧	ı	-	-	٧	٧	-	-	Primary	
0	Sesa Shubhkara	22/10/2011	Ram Prakash	Member	М	1	1	٧	1	-	-	٧	-	-	-	Primary	-
	2. Idominal d		Maiko	Member	М	٧	-	٧	-	-	-	-	-	-	٧	Primary	-
			Bhola Nath	Member	М	-	-	٧	-	-	-	-	-	-	٧	Primary	-
			Manna	Member	М	-	-	٧	-	-	-	-	-	-	٧	Primary	-
			Rampal	Member	М	-	-	-	٧	-	-	-	-	-	٧	Primary	-
			Balaji	Member	М	-	-	٧	-	-	-	-	-	-	٧	Jr. High School	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Sl. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Name	Designation	M/F	SC	ST	SF	MF	LF	Land-less	ne	SHG	GP	Any other	Educa-tional qualifi- cation	Function(s) assigned#
			Dharam Pal	President	М	-	-	-	-	٧	-	٧	-	-	٧	High School	-
			Dinesh Bahadur Singh	Secretary/Work Incharge	М	-	-	-	٧	-	-	٧	-	-	-	Jr. High School	-
			Moti Lal	Member	М	٧	-	-	٧	-	-	-	-	٧	-	Primary	-
1			Sita Singh	Member	F	-	-	٧	-	-	-	٧	-	-	-	Jr. High School	-
1	Mankuwar	16/12/2011	Botaniya	Member	F	-	-	-	-	-	-	-	٧	-	-	High School	-
1			Shitla Dubey	Member	М	-	-	-	٧	-	-	٧	-	-	1	Intermediate	-
			Raju	Member	М	٧	-	-	٧	-	-	٧	-	-	-	Primary	-
			Ram Lal	Member	М	-	-	٧	-	-	-	-	٧	-	-	Primary	-
			Chandra Pal	Member	М	-	-	٧	-	-	-	-	٧	-	-	Intermediate	-
			Moolchand	Member	М	٧	-	-	٧	-	-	-	٧	-	-	Illiterate	-
			Maiku Lal	President	М	-	-	-	-	٧	-	٧	-	-	-	High School	-
			Desh Raj	Secretary/Work Incharge	М	1	-	-	٧	-	-	٧	-	-	1	High School	-
			Moolchand	Member	М	-	-	٧	-	-	-	-	-	-	ı	Primary	-
1			Sukhi Lal	Member	М	-	-	٧	-	-	-	٧	-	-	-	Primary	-
1 2	Mau	21/10/2011	Shushil Kumar	Member	М	-	-	-	٧	-	-	٧	-	-	-	Jr. High School	-
			Shivdhani	Member	М	-	-	-	٧	-	-	٧	-	-	-	High School	-
			Ravi Kumar	Member	М	-	-	-	٧	-	-	٧	-	-	-	Primary	-
			Ranjeet Kumar	Member	М	-	-	-	٧	-	-	-	٧	-	i	Primary	-
			Santosh	Member	М	٧	-	٧	-	-	_	-	٧	-	-	Primary	-
			Dinesh	Member	М	٧	-	٧	-	-	-	-	٧	-	-	Primary	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
SI. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Name	Designation	M/F	SC	ST	SF	MF	-LF	Land-less	9N	SHG	GP	Any other	Educa-tional qualifi- cation	Function(s) assigned#
			Shiv Kant	President	М	-	-	-	-	٧	-	-	-	-	٧	Graduate	-
			Ajay Kumar	Secretary/Work Incharge	М	-	1	1	1	-	٧	-	_	-	1	Graduate	-
			Shailendra	Member	М	-	-	-	-	-	٧	-	٧	-	-	High School	-
			Dina Nath	Member	М	٧	-	-	-	٧	-	-	٧	-	1	High School	-
1	Kotra	15/1/2012	Raj Kishor	Member	М	-	1	٧	-	-	1	٧	-	-	1	Graduate	-
3	Khamba		Prem Lata	Member	F	-	1	-	٧	-	-	-	-	-	1	Jr. High School	-
			Munni Lal	Member	М	-	1	٧	•	-	1	٧	-	-	-	Jr. High School	-
			Ram Saware	Member	М	٧	-	-	٧	-	ı	-	-	-	-	Illiterate	-
			Pradeep Kumar	Member	М	1	ı	-	٧	-	-	٧	-	-	1	Illiterate	-
			Anju Devi	Member	F	-	-	٧	-	-	-	-	-	-	٧	Illiterate	-
			Surendra singh	President	М	-	-	٧	-	-	-	-	-	-	-	High School	-
			Yogendra Kumar	Secretary/Work Incharge	М	-	1	٧	1	-	-	-	-	-	1	High School	-
			Ved Singh	Member	М	-	-	-	٧	-	-	٧	-	-	-	Inermediate	-
1			Dharam Raj	Member	М	-	-	٧	-	-	-	٧	-	-	-	Inermediate	-
4	Tikra	15/1/2012	Gulzar	Member	М	-	-	٧	-	-	-	-	٧	-	-	Inermediate	-
			Amar Nath	Member	М	-	-	٧	-	-	-	-	-	-	1	Illiterate	-
			Jai Karan	Member	М	-	-	-	-	-	-	-	-	-	-	Illiterate	-
			Dev Rati	Member	F	٧	-	-	-	-	-	-	٧	-	-	Illiterate	-
			Shankar	Member	М	-	-	-	-	-	-	-	-	-	-	Illiterate	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
SI. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Name	Designation	M/F	SC	ST	SF	MF	LF	Land-less	9N	SHG	GP	Any other	Educa-tional qualifi- cation	Function(s) assigned#
			Bajrang	President	М	-	-	٧	-	-	-	-	-	-	-	Jr. High School	-
			Rakesh Tripathi	Secretary/Work Incharge	М	-	-	٧	-	-	-	-	-	-	-	Graduate	-
	Mawai Kala	14/1/2012	Jai Narayan	Member	М	-	-	٧	-	-	-	٧	-	-	-	Primary	-
			Kamlesh	Member	М	-	-	٧	-	-	-	٧	-	-	-	Primary	-
1			Babbu	ı Member M V -		-	-	٧	-	1	1	Primary	-				
5			Gopal	Member	М	-	1	٧	1	-	-	-	٧	1	1	Illiterate	-
			Nathiya	Member	F	-	1	٧	1	-	-	-	٧	ı	1	Intermediate	-
			Mithlesh	Member	М	-	-	٧	•	-	-	-	٧	1	1	Jr. High School	-
			Chandrika Prasad	Member		-	1	٧	1	-	1	٧	-	ı	ı	Jr. High School	-
			Rajesh	Member	М	-	1	-	1	٧	-	٧	-	ı	1	Intermediate	-
			Bhola Prasad	President	М	-	-	٧	-	-	-	-	-	-	-	High School	-
			Uma Shankar	Secretary/Work Incharge	М	-	-	٧	-	-	-	-	-	-	-	Intermediate	-
1	Purab	20/1/2012	Bharo	Member	М	-	1	-	٧	-	-	٧	-	1	1	High School	-
6	Patai		Nanki Devi	Member	F	-	-	-	-	-	-	-	٧	-	-	Jr. High School	-
			Moti Lal	Member	М	-	-	-	٧	-	-	٧	-	-	-	Jr. High School	-
			Ashok	Member	М	-	1	٧	1	-	_	-	٧	1	1	Jr. High School	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
SI. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Name	Designation	M/F	SC	ST	SF	MF	LF	Land-less	ne	SHG	GP	Any other	Educa-tional qualifi- cation	Function(s) assigned#
			Chedi Lal	President	М	-	-	٧	-	-	-	-	-	٧	-	Graduate	-
			Dev Raj	Secretary/Work Incharge	М	-	-	1	-	-	٧	-	-	٧	-	High School	-
		16/1/2012	Sangeeta Devi	Member	F	-	-	-	-	-	٧	-	-	٧	-	Primary	-
			Anandi Prasad	Member	М	-	-	-	-	٧	-	٧	-	-	-	Intermediate	-
1 7	Konpa		Kamta	Member	М	1	ı	ı	1	٧	1	1	1	-	-	Primary	-
′			Sharda	Member	М	-	-	-	-	٧	-	-	-	-	1	High School	-
			Kishori	Member	М	-	-	1	-	٧	-	-	-	-		High School	-
			Ram Bodhan	Member	М	-	-	-	-	-	٧	-	٧	-	-	High School	-
			Shyam Sundar	Member	М	-	-	-	-	-	٧	-	٧	-	-	High School	-
			Durga Prasad	Member	М	-	-	-	-	-	٧	-	٧	-	-	High School	-
			Bharat Singh	President	М	-	-	٧	-	-	-	-	-	-	-	High School	-
			Satya Singh	Secretary/Work Incharge	М	1	ı	٧	1	-	-	1	1	-	-	Intermediate	-
			Ram Bacchan	Member	М	٧	-	-	-	-	-	-	-	٧	-	Primary	-
1			Hanumat Singh	Member	М	-	-	٧	-	-	-	٧	-	-	-	High School	-
8	Biyawal	30/10/2011	Jawahar Ram	Member	М	-	-	٧	-	-	-	٧	-	-	-	Graduate	-
			Indra Pal	Member	М	-	-	-	-	٧	-	٧	-	-	-	Intermediate	-
			Devdhari	Member	М	-	-	-	-	-	-	٧	-	-	-	Intermediate	-
			Sukh Raj Singh	Member	М	-	-	-	٧	٧	٧	٧	٧	-	-	Primary	-
			Vimla Devi	Member	F	-	-	-	-	-	٧	-	٧	-	-	Primary	-
			Asha Devi	Member	F	-	-	-	-	-	٧	-	٧	-	-	Primary	-

Note: WC to be constituted for each Gram Panchayat included in the MWS

#### **Formation of Self Help Groups:**

The formation of SHGs in all watershed villages is underway. It is proposed to form at least 2 SHGs in each village. Each SHG will consist of 12/15 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 SHGs 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				$\epsilon$	5		7	7	8
S.	Name of MWS	Names of	Total no	o. of Constit SHG		gistered	No. of		in e	SC/ST ach gory	No. of BPL in each category			Date of formation			
No.	Name of MW3	villages	With With only only Men Women		With both	Total	Categories	М	F	Total	М	F	Total	М	F	Total	of SHGs
						2	(i) Landless										
1	Chhiolaha-II	Bamburi, Chhataini Mafi, Chhiolaha,		2			(ii) SF										
1	2C1A2a3e	Tekra		2		2	(iii) MF										
							(iv) LF										
		Bamburi, Chhiolaha, Kotara Khambha,				1	(i) Landless										
	Chhiolaha-I	Man Kunwar, kotara khambha, Man Kunwar Mustakil, Tekra, Tilauli					(ii) SF										
2	2C1A2a3d		1				(iii) MF										
		Mustakil, Tolauli Mustkil					(iv) LF										
				1		2	(i) Landless										
3	Mankunwar-II	Kotara Khambha, Man Kunwar, Man Kunwar Mustakil,	1				(ii) SF										
	2C1A2b3b	Purab Patai Mustk, Tilauli Mustakil					(iii) MF										
							(iv) LF										
		Bambura, Dhawada,					(i) Landless										
4	Sikraun	Dhendhaura, Dubari, Konpa, Mandaur,	1			1	(ii) SF										
	2C1A2b2c	Mau Mustkil, Sakhaunha, Sikraun				-	(iii) MF										
							(iv) LF										
				1			(i) Landless										
5	Mankunwar-I	Man Kunwar Mustakil, Tilauli			1	2	(ii) SF										
	2C1A2b3c	Mustk, sesa subhkara Ahatmali					(iii) MF										
							(iv) LF										

S. No.	Name of MWS	Names of villages	Total no	o. of Consti SHG	No. of r	nem	bers		No. of SC/ cate	ST ir gory	n each	No.	of BPL i categoi	Date of formation			
NO.		villages	Men	With only Women	With both	Total	Categories	М	F	Total	М	F	Total	М	F	Total	of SHGs
		Chhiolaha, Man Kunwar, Man					(i) Landless										
6	Sesa Subhkara-I	Kunwar Mustakil, sesa subhkara		2		2	(ii) SF										
0	2C1A2b1b	Mustk, Mau Mustkil, Tilauli Mustakil,		2			(iii) MF										
		Tilauli Mustk, sesa subhkara Ahatmali					(iv) LF										
		Mau Mustkil, Tilauli					(i) Landless										
7	Sesa Subhkara-II	Mustki, riiauli Mustk, sesa subhkara Ahatmali,		1		1	(ii) SF										
′	2C1A2b1a	sesa subhkara Mustk		1			(iii) MF										
							(iv) LF										
							(i) Landless										
8	Garhwa-I	Arwari Naudiya, Gadhawa, Purab		2		2	(ii) SF										
	2C1A2a2d	Patai Mustk					(iii) MF										
							(iv) LF										
							(i) Landless										
9	Garhwa-II 2C1A2a3h	Arwari Naudiya, Gadhawa, Kotara	2			2	(ii) SF										
		Khambha				2	(iii) MF										
							(iv) LF										
		Dhendhaura, Dubari, Mandaur,				2	(i) Landless										
10	Mandaur		1	1			(ii) SF										
10	2C1A2b3d	Mau Mustkil, Mawai Kalan	1				(iii) MF										
							(iv) LF										
							(i) Landless										
11	Sakhaunha	Biyawal Mustkil, Redi bhusauli		2		2	(ii) SF										
1	2C1A2c1e	Musttk				2	(iii) MF										
							(iv) LF										
		Gadhawa, Kotara					(i) Landless										
12	Kotra Khambha	Khambha, Man Kunwar Mustakil,		2		2	(ii) SF										
12	2C1A2a3a	Runwar Mustakil, Purab Patai Mustk, kotara khambha				_	(iii) MF										
							(iv) LF										

**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	Wo- men	I SC/St LUther		ers Total	Name of Bank and Address	Account No. & Date	Up to date Saving Rs.	Group activities
1	2	3	4		5	6	7	8	9	10	11	12		13
1	Chhiolaha-II	Bamburi, Chhataini Mafi, Chhiolaha,	Durga	Dec. 2011	Kamla Devi	Geeta Devi	12	4	8	12				
	2C1A2a3e	Tekra	Chetna	Dec. 2011	Savitri Devi	Vimala Devi	12	3	9	12				
2	Chhiolaha-I 2C1A2a3d	Bamburi, Chhiolaha, Kotara Khambha, Man Kunwar, kotara khambha, Man Kunwar Mustakil, Tekra, Tilauli Mustakil, Tolauli Mustakil	Chhatrapati Sahu Ji	Dec. 2011	Rajendra Kukmar	Surendra	12	9	3	12				
3	Mankunwar- II 2C1A2b3b	Kotara Khambha, Man Kunwar, Man Kunwar Mustakil,	Rana Pratap	Dec. 2011	Krisna Chandra	Bachchi Lal	11	9	2	11				
	II 2CIA2D3D	Purab Patai Mustk, Tilauli Mustakil	Bhavana	Dec. 2011	Deep	Renu								
4	Sikraun 2C1A2b2c	Bambura, Dhawada, Dhendhaura, Dubari, Konpa, Mandaur, Mau Mustkil, Sakhaunha, Sikraun	Jai Kali Mata	Dec. 2011	Budhimaan	Harish chandra	10	4	6	10	Account	Account		
5	Mankunwar-I 2C1A2b3c	Man Kunwar Mustakil, Tilauli Mustk, sesa	Hardauli Baba	Dec. 2011	Haram Narayan	Khushi	-	-	11	11	not opened	not opened		
	ZCIAZDJC	subhkara Ahatmali	Durga	Dec. 2011	Dudiliya	Bachchi	-	2	8	10	as yet	as yet		
	<b>C</b>	Chhiolaha, Man Kunwar, Man Kunwar Mustakil,	Jai Maa	Dec. 2011	Dudhiya Devi	Ram Dulari	10	8	2	10				
6	Sesa Subhkara-I 2C1A2b1b	sesa subhkara Mustk, Mau Mustkil, Tilauli Mustakil, Tilauli Mustk, sesa subhkara Ahatmali	Kali Devi	Dec. 2011	Reeta	Ushsa	10	9	1	10				
7	Sesa Subhkara-II 2C1A2b1a	Mau Mustkil, Tilauli Mustk, sesa subhkara Ahatmali, sesa subhkara Mustk	Saraswati	Dec. 2011	Rajkumari	Kesaniya	8	1	3	12				
8	Garhwa-I	Arwari Naudiya,	Chandani	Dec. 2011	Kushala	Dela Devi	10			10				
	2C1A2a2d	Gadhawa, Purab Patai Mustk	Paranu Kala	Dec. 2011	Sunita	Usha Devi	8	2		10				
9	Garhwa-II	Arwari Naudiya,	Bajrang	Dec. 2011	Sukh Lal	Bhola	2	3	7	12				
	2C1A2a3h	Gadhawa, Kotara Khambha	Vikash	Dec. 2011	Uttam Singh	ShriPrakash		2	8	10				
10	Mandaur	Dhendhaura, Dubari, Mandaur,	Chandra Shekhar	Dec. 2011	Chandra Shekhar	Badku		2	10	12				
10	2C1A2b3d	Mau Mustkil, Mawai Kalan	Mahila	Dec. 2011	Rani Devi	Nanki Devi	8	1		9				

#### **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	5		E	5	7
S. No.	Name of Micro watershed	Names of villages		Total no.	of UGs		No. of	mem	bers	5		in e	SC/ST ach gory		ea	BPL in ch gory	Date of formation
	with code		Men	Women	Both	Total	Categories	М	F	Total	М	F	Total	М	F	Total	of UGs
1	Chhiolaha-II 2C1A2a3e	Bamburi, Chhataini Mafi, Chhiolaha, Tekra	2			2											
2	Chhiolaha-I 2C1A2a3d	Bamburi, Chhiolaha, Kotara Khambha, Man Kunwar, kotara khambha, Man Kunwar Mustakil, Tekra, Tilauli Mustakil, Tolauli Mustkil	1			1											
3	Mankunwar-II 2C1A2b3b	Kotara Khambha, Man Kunwar, Man Kunwar Mustakil, Purab Patai Mustk, Tilauli Mustakil	1			1											

1		2		3				4				5			6		7
1	Name of	۷									Ne	5. of SC/	ST in	No		3PL in	Date of
S.	Micro			Total no.	of UGs		No. of	men	nber	S		ch cate				tegory	formation
No.	watershed with code	Names of villages	Men	Women	Both	Total	Categories	М	F	Total	М	F	Total	М	F	Total	of UGs
4	Sikraun 2C1A2b2c	Bambura, Dhawada, Dhendhaura, Dubari, Konpa, Mandaur, Mau Mustkil, Sakhaunha, Sikraun	1			1											
5	Mankunwar -I 2C1A2b3c	Man Kunwar Mustakil, Tilauli Mustk, sesa subhkara Ahatmali	1			1											
6	Garhwa-I 2C1A2a2d	Arwari Naudiya, Gadhawa, Purab Patai Mustk	2			2											
7	Garhwa-II 2C1A2a3h	Arwari Naudiya, Gadhawa, Kotara Khambha	2			2											
8	Mandaur 2C1A2b3d	Dhendhaura, Dubari, Mandaur, Mau Mustkil, Mawai Kalan	2			2											
9	Sesa Subhkara-I 2C1A2b1b	Chhiolaha, Man Kunwar, Man Kunwar Mustakil, sesa subhkara Mustk, Mau Mustkil, Tilauli Mustakil, Tilauli Mustk, sesa subhkara Ahatmali	2			2											
10	Sesa Subhkara-II 2C1A2b1a	Mau Mustkil, Tilauli Mustk, sesa subhkara Ahatmali, sesa subhkara Mustk	2			2											
11	Sakhaunha 2C1A2c1e	Biyawal Mustkil, Redi bhusauli Musttk	1			1											
12	Kotra Khambha 2C1A2a3a	Gadhawa, Kotara Khambha, Man Kunwar Mustakil, Purab Patai Mustk, kotara khambha	2			2											

(M – Male, F – Female)

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

							Total	No o	f Membe	ers	Name	Acco			Status
S. No.	Name of micro watershed	Name of village	Name of group	Date of constitution	Name of Adhyaksh	Name of Sachiv/ Treasurer	Women	Sc/ St	Other	Total	of Bank and Address	unt No. & Date	Up to date Saving	Group Active ties	of User Agree ment
1	2	3	4		5	6	7	8	9	10					
	Chhiolaha-I	Bamburi, Chhiolaha, Kotara Khambha, Man Kunwar, kotara	Dalahan Utpadan	Dec. 2011	Nirbhay Prashad	Hanuman Prashad		2	8	10					
1	2C1A2a3d	khambha, Man Kunwar Mustakil, Tekra, Tilauli Mustakil, Tolauli Mustkil	Khadyan Utpadan	Dec. 2011	Rajendra Kumar	Shitala Dube		3	9	12					
2	Mankunwar- II 2C1A2b3b	Kotara Khambha, Man Kunwar, Man Kunwar Mustakil, Purab Patai Mustk, Tilauli Mustakil	Dalahan Utpadan	Dec. 2011	Bairo Prashad	Raja Ram		1	9	10					
3	Sikraun 2C1A2b2c	Bambura, Dhawada, Dhendhaura, Dubari, Konpa, Mandaur, Mau Mustkil, Sakhaunha, Sikraun	Jai Kamda Giri	Dec. 2011	Raj Karan	Ram Lal		2	9	11					
4	Mankunwar- I 2C1A2b3c	Man Kunwar Mustakil, Tilauli Mustk, sesa subhkara Ahatmali	Dalahan Utpadan	Dec. 2011	Chandra Lal	Shitala Prashad		2	7	9					
_	Garhwa-I	Arwari Naudiya,	Dalahan Utpadan	Dec. 2011	Bhagwat Pashad	Indra Jeet		1	10	11					
5	2C1A2a2d	Gadhawa, Purab Patai Mustk	Sabji Upbhokata	Dec. 2011	Chandan	Raj Narayan		2	8	10					
C	Garhwa-II	Arwari Naudiya,	Khadyan Utpadan	Dec. 2011	Vishal	Suraj		3	9	12					
6	2C1A2a3h	Gadhawa, Kotara Khambha	Sabji Upbhokata	Dec. 2011	Lakhan Lal	Ramesh Chandra		1	10	11					
7	Mandaur	Dhendhaura, Dubari, Mandaur, Mau	Dalahan Utpadan	Dec. 2011	Shiv Lal	Keshav Prashad		3	9	12					
,	2C1A2b2a	Mustkil, Mawai Kalan	Khadyan Utpadan	Dec. 2011	Lakshmi Narayan	Rama Kant		2	10	12					
	Total for Project		11												

Table 4.9: Details of Fund flow of Watershed Committee Accounts (Amount in Rs.)

S		Name of	Opening Balance		Deposit		Wit	hdrawal			
No	MWS with code	watershed committee (WC)	(in lakh)	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 with- drawal	Purpose of with- drawal	Interest accrued	Closing balance
1	2	3	4	5	6	7	8	9	10	11	12
1	All MWS	All WC		22.12.2011		14.244					

**Convergence in IWMP-IV, 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	N W P R A	Agriculture Deptt.	To increase soil moisture conservation & ground water recharge
3	R I D F-16	Agriculture Deptt.	To increase soil moisture conservation & ground water recharge
4	Cane Bagain (R V P)	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. 26.22 Lakhs was allotted for EPA activity, which was 4 per cent of total allocated budget. The villagers discussed various activities which they fell 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.

In total 23 EPA activities were executed in the project area with a budget of Rs. 26.22 Lakhs. Details of Entry Point Activities done in the project are given below:

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

Name of The Project	Amount Earmarked for EPA (Rs. in Lakh)	Entry Point Acitivies	Estimated Cost (Rs. in Lakh)
2C1A2a3d Chhiolaha-I	2.62		2.62
2C1A2a3e Chhiolaha-II	2.44		2.44
2C1A2c1e Sakhaunha	2.45		2.45
2C1A2b2c Sikraun	3.22		3.22
2C1A2b3c Mankunwar-I	1.76		1.76
2C1A2a3a Kotra Khambha	3.50	Repair of Well, Construction of Chabutara, Well Platform,	3.50
2C1A2a2d Garhwa- I	1.20	Water tank( Charhi) and Water Harbesting Structure	1.20
2C1A2a3h Garhwa- II	0.77		0.77
2C1A2b3b Mankunwar-II	1.61		1.61
2C1A2b2a Mandaur	3.16		3.16
2C1A2b1b Sesa Subhkara- I	1.69		1.69
2C1A2b1a Sesa Subhkara- II	1.80		1.80

Total 26.22 26.22

#### **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

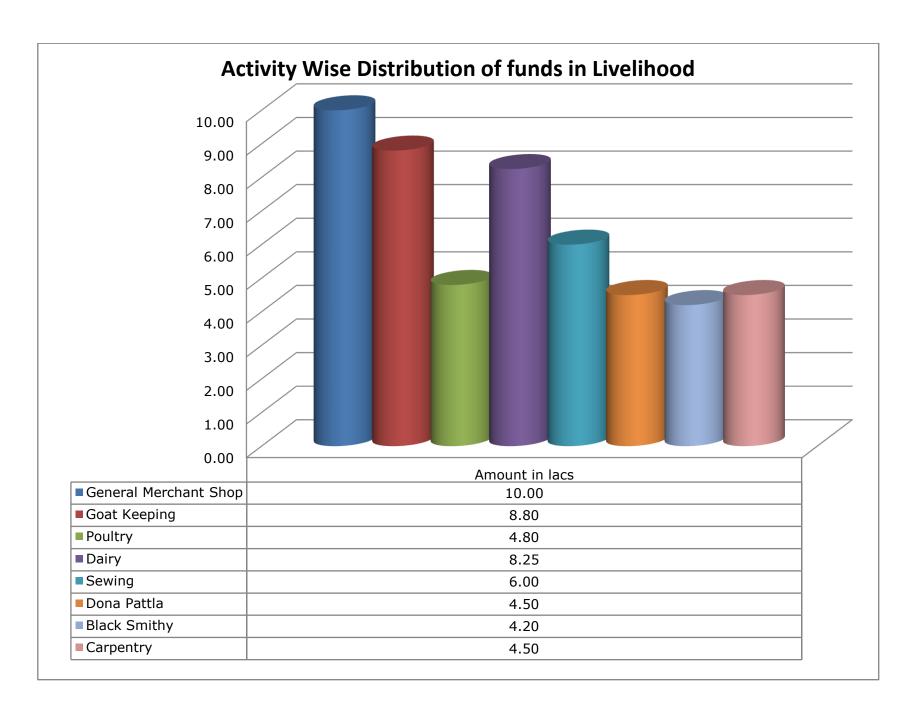
S. No.	Gram Panchayat	Total	Livelil	nood Activitie	s 9% of the To	tal project Co	st
J. NO.	Grain Panchayat	Amount	2011-12	2012-13	2013-14	2014-15	Total
1	Bamburi	2.61	0.47	0.82	1.32	0.00	2.61
2	Bhitari	3.14	0.25	1.37	1.52	0.00	3.14
3	Biyawal Mustkil	2.84	0.45	1.32	1.07	0.00	2.84
4	Chhataini Mafi	2.89	0.25	1.52	1.12	0.00	2.89
5	Chhiolaha	2.74	0.35	1.07	1.32	0.00	2.74
6	Gadhawa	2.89	0.25	1.12	1.52	0.00	2.89
7	Konpa	2.89	0.30	1.37	1.22	0.00	2.89
8	Kotara Khambha	3.11	0.62	1.52	0.97	0.00	3.11
9	Man Kunwar	2.89	0.20	1.17	1.52	0.00	2.89
10	Mandaur	2.29	0.30	0.82	1.17	0.00	2.29
11	Mau Mustkil	3.29	0.25	1.52	1.52	0.00	3.29
12	Mawai Kalan	2.54	0.40	1.17	0.97	0.00	2.54
13	Purab Patai	2.96	0.37	1.22	1.37	0.00	2.96
14	Sakhaunha	2.89	0.20	1.52	1.17	0.00	2.89
15	Sesasu Bhkara Mustk	2.49	0.15	0.97	1.37	0.00	2.49
16	Sikraun	2.94	0.40	1.02	1.52	0.00	2.94
17	Tikra	2.89	0.25	1.52	1.12	0.00	2.89
18	Tilauli Mustakil	2.76	0.22	1.52	1.02	0.00	2.76
	Total	51.05	5.68	22.56	22.81	0.00	51.05

Total allocation of the fund in this activity is Rs. 58.99 lacs, out of which an action plan gram panchayat wise have been prepared for Rs. 51.05 lacs, as per the requirement of the project area Rs. 7.94 lacs would be in corporate in the above plan later.

TABLE 5.3: DETAILS OF LIVELIHOOD ACTIVITIES IN THE PROJECT AREA, IWMP-IX, DISTRICT-CHITRAKOOT

		Gen	eral N	Merch	ant S	hop		Goa	t Kee	ping			F	oultr	У				Dairy		
S. No.	Gram Panchayat	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	Bamburi		1	1		2	1	1	1		3			1		1	1		1		2
2	Bhitari	1	1	1		3		1	1		2		1	1		2		1	1		2
3	Biyawal Mustkil		1	1		2		1	1		2	1	1			2		1	1		2
4	Chhataini Mafi		1	1		2		1	1		2		1	1		2	1	1			2
5	Chhiolaha		1	1		2		1	1		2			1		1		1	1		2
6	Gadhawa	1	1	1		3		1	1		2		1	1		2			1		1
7	Konpa		1	1		2		1	1		2	1	1			2		1	1		2
8	Kotara Khambha		1	1		2	1	1	1		3		1	1		2	1	1			2
9	Man Kunwar		1	1		2		1	1		2		1	1		2		1	1		2
10	Mandaur		1	1		2		1	1		2	1		1		2			1		1
11	Mau Mustkil	1	1	1		3		1	1		2		1	1		2		1	1		2
12	Mawai Kalan		1	1		2		1	1		2		1	1		2	1	1			2
13	Purab Patai		1	1		2	1	1	1		3		1			1		1	1		2
14	Sakhaunha		1	1		2		1	1		2		1	1		2		1	1		2
15	Sesasu Bhkara Mustk		1	1		2		1	1		2	1		1		2			1		1
16	Sikraun	1	1	1		3		1	1		2		1	1		2		1	1		2
17	Tikra		1	1		2		1	1		2		1	1		2	1	1			2
18	Tilauli Mustakil		1	1		2	1	1	1		3		1			1		1	1		2
	Total	4	18	18	0	40	4	18	18	0	40	4	14	14	0	32	5	14	14	0	33

			S	ewin	g			Doi	na Pa	ttla			Blac	k Sm	ithy			Ca	rpent	try	
S. No.	Gram Panchayat	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	Bamburi		1			1			1		1			1		1		1	1		2
2	Bhitari		1	1		2		1	1		2		1	1		2			1		1
3	Biyawal Mustkil			1		1	1	1			2		1			1	1	1	1		3
4	Chhataini Mafi		1	1		2		1	1		2		1	1		2		1			1
5	Chhiolaha	1	1			2			1		1	1		1		2		1	1		2
6	Gadhawa		1	1		2		1	1		2		1	1		2			1		1
7	Konpa		1	1		2	1		1		2		1			1		1	1		2
8	Kotara Khambha		1	1		2		1			1		1	1		2	1	1			2
9	Man Kunwar	1		1		2		1	1		2			1		1		1	1		2
10	Mandaur		1			1			1		1	1	1			2			1		1
11	Mau Mustkil		1	1		2		1	1		2		1	1		2		1	1		2
12	Mawai Kalan			1		1	1	1			2			1		1		1			1
13	Purab Patai		1	1		2		1	1		2			1		1	1		1		2
14	Sakhaunha	1	1			2		1	1		2		1			1		1	1		2
15	Sesasu Bhkara Mustk		1	1		2			1		1		1	1		2		1			1
16	Sikraun			1		1		1	1		2	1		1		2			1		1
17	Tikra		1	1		2		1			1		1	1		2		1	1		2
18	Tilauli Mustakil		1			1		1	1		2		1			1		1	1		2
	Total	3	14	13	0	30	3	13	14	0	30	3	12	13	0	28	3	13	14	0	30



**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 1<sup>st</sup> grading. Some of the activities identified are as under:

Name of Activity	<b>Unit Cost (Rs. In Lacs)</b>
General Merchant Shop	0.25
Goat Keeping	0.22
<ul><li>Poultry</li></ul>	0.15
<ul> <li>Animal husbandry/ Dairy</li> </ul>	0.25
<ul> <li>Cutting &amp; Tailoring</li> </ul>	0.20
<ul> <li>Dona Pattal Making</li> </ul>	0.15
<ul> <li>Black Smith</li> </ul>	0.15
<ul> <li>Carpentry</li> </ul>	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%)**

Туре	Seed I	Demonstration Details
	Wheat	Sorghum
Rabi	1. Variety K 8027, NW-1012, 1076, HDR-77, Raj -107 2. Sowing Time: 15 November to 25 December 3- Seed rate – 100 -125 Kg/ hectare 4- Requirement of fertilizers / ha N- 125 Kg , P- 70 -75 Kg, K-70-75 Kg 5. FYM: 60 Ou. 6. Flowering Period: 80 to 85 days. 7. Crop Duration: 120-145 days. 8. Harvesting time: April to May 9. Yield: Irrigated: 50-60 Q/ha Un-irrigated: 30-35 Q/ha  Note- Hence demonstration cost of wheat /ha is Rs 13000.00 and the Total cost increases @ 10 % for next year	<ol> <li>Variety: CSH-16, 9, 14, CSB-13, 15</li> <li>Requirement of Seed /ha - 15 kg</li> <li>Sowing Time - 15 th July to 15 th August</li> <li>Requirement of fertilizers/ha N- 60.0 Kg , P- 40.00Kg, K- 40.00 Kg</li> <li>Fertilizers requirement / ha N- 80.0 Kg , P- 50Kg, K- 40 Kg FYM: 50q</li> <li>Flowering Period: 80-85 days.</li> <li>Crop Duration: 120 to 130 days.</li> <li>Harvesting time: 25 September to 5 October</li> <li>Yield: Grain: 18-20 q/ha Dry Fodder: 200-250q/ha</li> <li>Note- Hence demonstration cost of SORGHUM /ha is Rs 6500.00 and the Total cost increases @ 10 % for next year.</li> </ol>
Season	Gram	Mustard
	1.Variety Irrigated - Udai , KWR - 108 , Pant G 186, Pusa-356 Rainfed - J.G 315 , Avrdhi 2. Sowing Time: 20 October to 15 November 3.Seed rate /ha - 75 -80 Kg 4.Fertilizers requirement / ha N- 25.0 Kg , P- 80Kg, K- 30 Kg 5.FYM: 60 q 6. Flowering Period: 60 to 75 days. 7. Crop Duration: 130-145 days. 8.Harvesting time: March To April 9.Harvesting time: February-March Note- Hence demonstration cost of Gram /ha is Rs 16500.00 and the Total cost increases @ 10 % for next year.	1.Variety: Varsha, CSV 13, 15 Late - Vjeta, Bundela 2. Requirement of Seed /ha - 12 kg/ha 3. Sowing Time - June last week 4. Requirement of fertilizers / ha N- 80.0 Kg , P- 40.00Kg, K- 30.00 Kg 5. FYM: 50 q 6. Flowering Period: 60-55 days. 7. Crop Duration: 100 to 110 days. 8. Harvesting time: Last December to January 9. Yield: Grain: 20-25 q/ha Note- Hence demonstration cost of Mustard /ha is Rs 6500.00 and the Total cost increases @ 10 % for next year.

	Arhar	Maize
Kharif Season	1. Variety -Long Durtion: Malviya -13 NA -1, NA-2 Short Duration: UPAS-120, ICPL-151, 8801  2- Seed rate /ha — 20 Kg 3. Sowing Time: June-July 4- Fertilizers requirement / ha N- 20.0 Kg, P-50Kg, K- 40 Kg 4. FYM: 50 q 5. Flowering Period: Long Duration: 160 to 175 days. Short Duration: 110-120 days 6. Crop Duration: Long Duration: 270-280 days. Short Duration: 130-140 days 7. Harvesting time: Long Duration: March To April, Short Duration: November to December 8. Yield: Long Duration: 18-20 Q/ha Short Duration: 20-25 Q/ha Note- Hence demonstration cost of Arahar /ha is Rs 3500.00 and the Total cost increases @ 10 % for next year.	<ol> <li>Variety: Hybrid: Ganga-2, 11, Shaktiman, Dakkan-7, Prakash, Sartaj</li> <li>Sankul: Tarun, Naveen, Kanchan, Sweta, Prabhat, Gaurav</li> <li>Requirement of Seed /ha - 15 kg I</li> <li>Sowing Time - 15 th July to 15 th August</li> <li>Requirement of fertilizers / ha N- 60.0 Kg , P- 40.00Kg, K-40.00 Kg</li> <li>Fertilizers requirement / ha N- 80.0 Kg , P- 50Kg, K- 40 Kg FYM: 50 q</li> <li>Flowering Period: 80-85 days.</li> <li>Crop Duration: 120 to 130 days.</li> <li>Harvesting time: 25 September to 5 October</li> <li>Yield: Grain: 18-20 Q/ha Dry Fodder: 200-250 Q/ha</li> <li>Note- Hence demonstration cost of SORGHUM /ha is Rs 6500.00 and the Total cost cost increases @ 10 % for next year.</li> </ol>
	Seed	Distribution of high yield verity seed of Arhar, Wheat and maize, etc.
	Animal Husbandry	Organize of health camp animals, and feed for animals.
	Agriculture Toolkit	Distribution of agriculture toolkit to the individual.

# GRAM PANCHAYAT WISE FINANCIAL BREAK UP OF PRODUCTION & MICRO ENTERPRISES, IWMP-IX, DISTRICT- CHITRAKOOT

Amount in Lacs

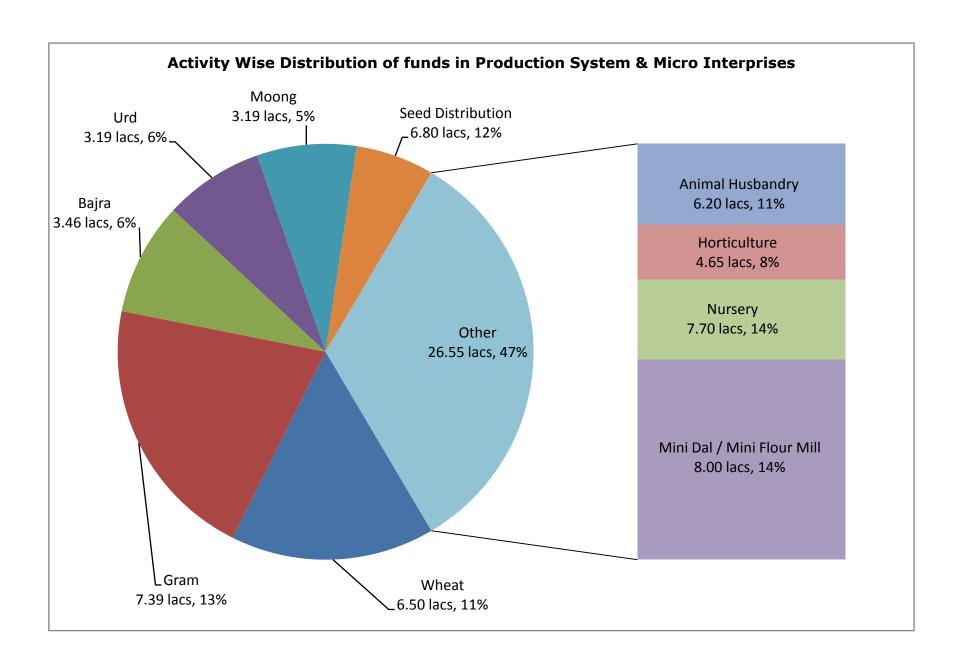
S. No.	Gram Panchayat	Total Amount	Productio	n System & N	licroenterpris	ses 10% of the	
3. 140.	Grain ranchayat	Total Amount	2011-12	2012-13	2013-14	2014-15	Total
1	Bamburi	3.44	0.42	1.82	1.20	0.00	3.44
2	Bhitari	3.40	0.45	1.35	1.60	0.00	3.40
3	Biyawal Mustkil	3.44	0.27	1.82	1.35	0.00	3.44
4	Chhataini Mafi	3.84	0.67	1.35	1.82	0.00	3.84
5	Chhiolaha	3.40	0.23	1.62	1.55	0.00	3.40
6	Gadhawa	3.37	0.40	1.77	1.20	0.00	3.37
7	Konpa	3.80	0.23	1.60	1.97	0.00	3.80
8	Kotara Khambha	3.24	0.07	1.57	1.60	0.00	3.24
9	Man Kunwar	3.87	0.27	1.46	2.14	0.00	3.87
10	Mandaur	3.60	0.43	1.97	1.20	0.00	3.60
11	Mau Mustkil	3.37	0.35	1.00	2.02	0.00	3.37
12	Mawai Kalan	3.57	0.07	1.82	1.69	0.00	3.57
13	Purab Patai	3.48	0.53	1.35	1.60	0.00	3.48
14	Sakhaunha	4.17	0.60	1.60	1.97	0.00	4.17
15	Sesasu Bhkara Mustk	3.34	0.37	1.97	1.00	0.00	3.34
16	Sikraun	4.41	0.34	2.05	2.02	0.00	4.41
17	Tikra	3.52	0.35	1.42	1.75	0.00	3.52
18	Tilauli Mustakil	4.30	0.53	1.95	1.82	0.00	4.30
	Total	65.54	6.55	29.49	29.49	0.00	65.54

# DETAILS OF PRODUCTION SYSTEM & MICRO ENTERPRISES ACTIVITIES AT GLANCE UNDER IWMP-IX, DISTRICT- CHITRAKOOT

										(	CROP	DEM	OSTR/	ATION	l (1 De	emo=	.40ha	)								
S.			1	Whea	t				Gram	)				Bajra					Urd				ı	Moon	g	
No	Gram Panchayat	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	Bamburi	1	2	2		5		2	2		4	1	2	2		5	1	2	2		5		2	2		4
2	Bhitari		2	2		4	1	2	2		5		2	2		4		2	2		4	1	2	2		5
3	Biyawal Mustkil		2	2		4		2	2		4	1	2	2		5		2	2		4		2	2		4
4	Chhataini Mafi	1	2	2		5		2	2		4	1	2	2		5		2	2		4	1	2	2		5
5	Chhiolaha		2	2		4	1	2	2		5		2	2		4	1	2	2		5		2	2		4
6	Gadhawa	1	2	2		5		2	2		4	1	2	2		5		2	2		4		2	2		4
7	Konpa		2	2		4	1	2	2		5		2	2		4		2	2		4	1	2	2		5
8	Kotara Khambha		2	2		4		2	2		4		2	2		4	1	2	2		5		2	2		4
9	Man Kunwar	1	2	2		5		2	3		5	1	1	2		4		2	2		4	1	1	2		4
10	Mandaur		2	2		4	1	2	2		5		2	2		4	1	2	2		5		2	2		4
11	Mau Mustkil	1	2	2		5		2	2		4	1	2	2		5		2	2		4		2	2		4
12	Mawai Kalan		2	2		4		2	2		4		2	2		4		2	2		4	1	2	1		4
13	Purab Patai		2	2		4	1	2	2		5	1	2	2		5	1	2	2		5		2	2		4
14	Sakhaunha	1	2	2		5		2	2		4		2	2		4		2	2		4	1	2	2		5
15	Sesasu Bhkara Mustk		2	2		4	1	2	2		5		2	2		4		2	2		4		2	2		4
16	Sikraun		3	2		5		3	2		5	1	2	2		5		2	2		4	1	2	2		5
17	Tikra	1	2	2		5		2	2		4		2	2		4	1	2	2		5		2	2		4
18	Tilauli Mustakil		2	2		4	1	2	2		5	1	2	2		5		2	2		4	1	2	2		5
	Total	7	37	36	0	80	7	37	37	0	81	4	12	12	0	28	2	12	12	0	26	2	12	12	0	26

S.		AN		. HUS n nos	BAND	RY	ноі	RTICU	LTUR ha.)	E (Are	a in	ľ	NURSU	JRY (i	n nos	.)	SEE	D DIS	TRIBU	JTION	l (in	М		al / Mi Il (in n	ini Flo ios.)	ur
No	Gram Panchayat	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	Bamburi		1			1	1				1		1			1			1		1		1			1
2	Bhitari			1		1		1			1	1				1		1			1			1		1
3	Biyawal Mustkil	1	1			2			1		1		1			1			1		1		1			1
4	Chhataini Mafi			1		1		1			1			1		1		1			1	1		1		2
5	Chhiolaha		1			1			1		1		1			1		1			1			1		1
6	Gadhawa			1		1		1			1		1			1	1				1		1			1
7	Konpa		1			1			1		1			1		1			1		1		1	1		2
8	Kotara Khambha			1		1		1			1		1			1		1			1			1		1
9	Man Kunwar		1			1			1		1			1		1			1		1		1	1		2
10	Mandaur	1		1		2		1			1		1			1		1			1		1			1
11	Mau Mustkil			1		1	1				1			1		1			1		1			1		1
12	Mawai Kalan		1			1			1		1		1			1			1		1		1	1		2
13	Purab Patai			1		1		1			1	1				1		1			1			1		1
14	Sakhaunha		1			1			1		1			1		1			1		1	1	1	1		3
15	Sesasu Bhkara Mustk	1				1		1			1		1			1		1			1		1			1
16	Sikraun		1	1		2		1			1			1		1	1		1		2		1	1		2
17	Tikra			1		1	1		1		2		1			1		1			1			1		1
18	Tilauli Mustakil		1			1		1			1	1		1		2		1	1		2		1	1		2
	Total	3	9	9	0	21	3	9	7	0	19	3	9	7	0	19	2	9	9	0	20	2	11	13	0	26

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



The activity has already been shown in the respective map.

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 miltch 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.

# Gram Panchayat wise Breakup of Watershed Development Work, Livelihood and Production System & Micro Enterprise

S. No.	Name of MWS and Code	Name of Gram Panchayat /WC	Area	Watershed Development Work	Livelihood Activities	Production System & Micro Enterprises	Total
1		Bamburi	15.15	1.02	2.61	3.44	7.07
2		Bhitari	148.65	9.99	3.14	3.40	16.53
3		Biyawal Mustkil	180.20	12.11	2.84	3.44	18.39
4	2C1A2a3d (Chhiolaha-I),	Chhataini Mafi	27.20	1.83	2.89	3.84	8.55
5	2C1A2a3a (Chhiolana 1),	Chhiolaha	683.16	45.91	2.74	3.40	52.05
6	2C1A2c1e (Sakhaunha),	Gadhawa	490.29	32.95	2.89	3.37	39.21
7	2C1A2b2c (Sikraun),	Konpa	42.00	2.82	2.89	3.80	9.52
8	2C1A2b3c (Mankunwar-I), 2C1A2a3a (Kotra	Kotara Khambha	607.55	40.83	3.11	3.24	47.17
9	Khambha), 2C1A2a2d	Man Kunwar Mustakil	476.36	32.01	2.89	3.87	38.77
10	(Garhwa- I), 2C1A2a3h	Mandaur	727.58	48.89	2.29	3.60	54.79
11	(Garhwa- II), 2C1A2b3b (Mankunwar-II),	Mau Mustkil	398.39	26.77	3.29	3.37	33.43
12	2C1A2b2a (Mandaur),	Mawai Kalan	212.36	14.27	2.54	3.57	20.38
13	2C1A2b1b (Sesa	Purab Patai Mustk	195.00	13.10	2.96	3.48	19.54
14	Subhkara- I), 2C1A2b1a	Sakhaunha	236.42	15.89	2.89	4.17	22.94
15	(Sesa Subhkara- II)	Sesasu Bhkara Mustk	595.72	40.03	2.49	3.34	45.86
16		Sikraun	68.20	4.58	2.94	4.41	11.93
17		Tikra	160.18	10.76	2.89	3.52	17.17
18		Tilauli Mustakil	197.60	13.28	2.76	4.30	20.33
	Others (Revolv	ing Fund)			7.94		7.94
	Total		5462.00	367.05	58.99	65.54	491.58

#### **Combined Annual Action Plan of the project IWMP-IX, Chitrakoot**

							Targ	get as AAP				
MWS Code	<b>Gram Panchayat</b>	Activity	201	1-12	20:	12-13	20:	13-14	201	.4-15	To	otal
			Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy
2C1A2a3d		Land Development										
(Chhiolaha-I), 2C1A2a3e	Bamburi	Horticulture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(Chhiolaha-II),	Bhitari	Afforestation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2C1A2c1e (Sakhaunha),	Biyawal Mustkil Chhataini Mafi	SMC		•			•		•			
2C1A2b2c (Sikraun),	Chhiolaha	Contour Bunding	1.67	53.37	2.72	83.62	2.72	83.62	5.34	135.21	12.45	355.81
2C1A2b3c	Gadhawa	Bench terracing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(Mankunwar- I), 2C1A2a3a	Kopa Kotara Khambha	MB/PB	6.92	163.88	11.30	256.74	11.30	256.74	22.13	415.15	51.64	1092.50
(Kotra Khambha),	Man Kunwar	Veg. & Engg. Structures										
2C1A2a2d	Mustakil Mandaur	Loose Boulders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(Garhwa- I), 2C1A2a3h	Mau Mustkil	Gabion Structures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(Garhwa- II), 2C1A2b3b	Mawai Kalan	Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(Mankunwar- II), 2C1A2b2a	Purab Patai Mustk Sakhaunha	WHS		•					•			
(Mandaur),	Sesasu Bhkara	Check Dam	5.37	173.37	8.77	271.62	8.77	271.62	17.19	439.21	40.11	1155.81
2C1A2b1b (Sesa	Mustk Sikraun	SB	3.46	81.94	5.65	128.37	5.65	128.37	11.07	207.58	25.82	546.25
Subhkara- I), 2C1A2b1a (Sesa Subhkara- II)	Tikra Tilauli Mustakil	Others WHB/RCD/Ground Water Recharge Structures/Ponds	31.74	346.74	51.85	543.23	51.85	543.23	101.59	878.42	237.03	2311.63
	Sub Total		49.16	819.30	80.29	1283.57	80.29	1283.57	157.31	2075.56	367.05	5462.00

						Livel	ihood Acti	vity			
MWS Code	Gram Panchayat	Details of Livelihood Activity	General Merchant Shop	Goat Keeping	Poultry	Dairy	Sewing	Dona Pattla	Black Smithy	Carpentry	Total
	Bamburi		2	3	1	2	1	1	1	2	2.61
	Bhitari		3	2	2	2	2	2	2	1	3.14
	Biyawal Mustkil		2	2	2	2	1	2	1	3	2.84
2C1A2a3d (Chhiolaha-I),	Chhataini Mafi		2	2	2	2	2	2	2	1	2.89
2C1A2a3e (Chhiolaha-II),	Chhiolaha		2	2	1	2	2	1	2	2	2.74
2C1A2c1e	Gadhawa	General Merchant Shop @	3	2	2	1	2	2	2	1	2.89
(Sakhaunha), 2C1A2b2c	Konpa	Rs. 25000/- per shop. Goat Keeping @ Rs. 25000/-	2	2	2	2	2	2	1	2	2.89
(Sikraun), 2C1A2b3c	Kotara Khambha	per Goat and 02 Goat will be	2	3	2	2	2	1	2	2	3.11
(Mankunwar-I), 2C1A2a3a	Man Kunwar	given per beneficiary costing Rs. 3000/- per number	2	2	2	2	2	2	1	2	2.89
(Kotra Khambha),	Mandaur	Poultry -(Chuja, feed and other support item) per	2	2	2	1	1	1	2	1	2.29
2C1A2a2d	Mau Mustkil	beneficiary @ Rs.25000/- Diary @ Rs. 25000/- per	3	2	2	2	2	2	2	2	3.29
(Garhwa- I), 2C1A2a3h	Mawai Kalan	beneficiary	2	2	2	2	1	2	1	1	2.54
(Garhwa- II), 2C1A2b3b	Purab Patai	Tailoring @ Rs. 20000/- per beneficiary	2	3	1	2	2	2	1	2	2.96
(Mankunwar-II), 2C1A2b2a	Sakhaunha	Dona Pattal @ Rs. 15000/- per beneficiary, Weaving @	2	2	2	2	2	2	1	2	2.89
(Mandaur),	Sesasu Bhkara Mustk	Rs. 22000/- per beneficiary	2	2	2	1	2	1	2	1	2.49
2C1A2b1b (Sesa Subhkara- I),	Sikraun		3	2	2	2	1	2	2	1	2.94
2C1A2b1a (Sesa Subhkara- II)	Tikra		2	2	2	2	2	1	2	2	2.89
,	Tilauli Mustakil		2	3	1	2	1	2	1	2	2.76
	Others (Revolving Fund)			•		•	•				7.94
	Sub Total		40	40	32	33	30	30	28	30	58.99

		D . II . C				P	roduction	System & Mic	ro Enterprises	Activity			
MWS Code	Gram Panchayat	Details of Production System & Micro Enterprises Activity	Wheat	Gram	Bajra	Urd	Moong	Animal Husbandry	Horticulture	Nursery	Seed Distribution	Mini Dal / Mini Flour Mill	Total
	Bamburi		5	4	5	5	4	1	1	1	1	1	3.44
	Bhitari		4	5	4	4	5	1	1	1	1	1	3.40
2C1A2a3d (Chhiolaha-I),	Biyawal Mustkil		4	4	5	4	4	2	1	1	1	1	3.44
2C1A2a3e (Chhiolaha-	Chhataini Mafi	Crop	5	4	5	4	5	1	1	1	1	2	3.84
II), 2C1A2c1e (Sakhaunha),	Chhiolaha	demonstration is wheat @ Rs.	4	5	4	5	4	1	1	1	1	1	3.40
2C1A2b2c	Gadhawa	13000/ha, Gram @ Rs.16800/ha,	5	4	5	4	4	1	1	1	1	1	3.37
(Sikraun), 2C1A2b3c	Konpa	Bajra @ Rs. 7200/ha, Urd @	4	5	4	4	5	1	1	1	1	2	3.80
(Mankunwar- I), 2C1A2a3a	Kotara Khambha	Rs. 6500/ha,	4	4	4	5	4	1	1	1	1	1	3.24
(Kotra Khambha),	Man Kunwar	Moong @ Rs. 6500/ha, Seed	5	5	4	4	4	1	1	1	1	2	3.87
2C1A2a2d	Mandaur	Distribution @ Rs. 20000/-,	4	5	4	5	4	2	1	1	1	1	3.60
(Garhwa- I), 2C1A2a3h	Mau Mustkil	Horticulture toolkit @ Rs.	5	4	5	4	4	1	1	1	1	1	3.37
(Garhwa- II), 2C1A2b3b	Mawai Kalan	15000/- and	4	4	4	4	4	1	1	1	1	2	3.57
(Mankunwar- II), 2C1A2b2a	Purab Patai	Nursery @ Rs. 22000/- , Animal	4	5	5	5	4	1	1	1	1	1	3.48
(Mandaur),	Sakhaunha	Husbandry @ Rs. 20000/-, Mini	5	4	4	4	5	1	1	1	1	3	4.17
2C1A2b1b (Sesa	Sesasu Bhkara Mustk	Dal / Mini Flour Mill @ Rs.	4	5	4	4	4	1	1	1	1	1	3.34
Subhkara- I), 2C1A2b1a	Sikraun	40000/	5	5	5	4	5	2	1	1	2	2	4.41
(Sesa Subhkara- II)	Tikra		5	4	4	5	4	1	2	1	1	1	3.52
Jazimara iij	Tilauli Mustakil		4	5	5	4	5	1	1	2	2	2	4.30
	Sub Total		80	81	80	78	78	21	19	19	20	26	65.54

# CHAPTER - 6 CAPACITY BUILDING PLAN

The total amount in this activity is Rs 32.77 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 capacity building activities IWMP-IX, Chitrakoot

				ΙY	ear			II Yo	ear	
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					1.44				0.39
2	WCDC					3.28				1.11
3	PIA	32	30	7	3	2.99	23	3	2	0.68
4	WDT	4	4	12	4	1.49	5	4	3	0.34
5	SHG	100	75	7	2	3.74	55	2	2	0.85
6	UG	125	100	7	2	4.48	70	2	2	1.02
7	WC	50	50	6	2	2.24	40	2	2	0.51
	Total					19.66				4.92
			III Y	ear ear	•		IV Y	ear		
S. No.	Level	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	Total
1	SLNA				0.39				0.66	2.88
2	WCDC				1.11				0.66	6.16
3	PIA	23	3	2	0.68	19	2	2	0.39	4.75
4	WDT	5	4	3	0.34	4	4	2	0.20	2.37
5	SHG	55	2	2	0.85	30	2	2	0.49	5.93
6	UG	70	2	2	1.19	40	2	2	0.69	7.39
7	WC	40	2	2	0.34	12	2	2	0.20	3.29
	Total				4.92				3.28	32.77

# CHAPTER -7 PHASING OF PROGRAMME & BUDGETING

# FINANCIAL BREAKUP OF VARIOUS COMPONENT IN TERMS OF % OF IWMP-XI, DISTRICT-CHITRAKOOT

Amount in Lacs

S. No.	Micro Watershed Code	Name of Project	Project Area	Proposed Amount	Administrative 10%	EPA 4%	Institution and CB 5%	DPR 1%	Watershed development work 56%	Livelihood for asset less 9%	Production system and Microenterprises 10%	Monitoring 1%	Evaluation 1%	Consolidation 3%	Total 100%
1	2C1A2a3d	Chhiolaha-I	546	65.52	6.55	2.62	3.28	0.66	36.69	5.90	6.55	0.66	0.66	1.97	65.52
2	2C1A2a3e	Chhiolaha-II	508	60.96	6.10	2.44	3.05	0.61	34.14	5.49	6.10	0.61	0.61	1.83	60.96
3	2C1A2c1e	Sakhaunha	510	61.20	6.12	2.45	3.06	0.61	34.27	5.51	6.12	0.61	0.61	1.84	61.20
4	2C1A2b2c	Sikraun	671	80.52	8.05	3.22	4.03	0.81	45.09	7.25	8.05	0.81	0.81	2.42	80.52
5	2C1A2b3c	Mankunwar- I	367	44.04	4.40	1.76	2.20	0.44	24.66	3.96	4.40	0.44	0.44	1.32	44.04
6	2C1A2a3a	Kotra Khambha	730	87.60	8.76	3.50	4.38	0.88	49.06	7.88	8.76	0.88	0.88	2.63	87.60
7	2C1A2a2d	Garhwa- I	250	30.00	3.00	1.20	1.50	0.30	16.80	2.70	3.00	0.30	0.30	0.90	30.00
8	2C1A2a3h	Garhwa- II	160	19.20	1.92	0.77	0.96	0.19	10.75	1.73	1.92	0.19	0.19	0.58	19.20
9	2C1A2b3b	Mankunwar- II	335	40.20	4.02	1.61	2.01	0.40	22.51	3.62	4.02	0.40	0.40	1.21	40.20
10	2C1A2b2a	Mandaur	658	78.96	7.90	3.16	3.95	0.79	44.22	7.11	7.90	0.79	0.79	2.37	78.96
11	2C1A2b1b	Sesa Subhkara- I	352	42.24	4.22	1.69	2.11	0.42	23.65	3.80	4.22	0.42	0.42	1.27	42.24
12	2C1A2b1a	Sesa Subhkara- II	375	45.00	4.50	1.80	2.25	0.45	25.20	4.05	4.50	0.45	0.45	1.35	45.00
		Total	5462	655.44	65.54	26.22	32.77	6.55	367.05	58.99	65.54	6.55	6.55	19.66	655.44

#### Note-

- 1. Micro Watershed code no. 2C1A2a3g has been cancelled. It was covered by hills, forest area & work executed by Gram Panchayat.
- 2. Sanctioned by P.P.R.- IWMP-IX
  - a) Proposed area- 5935 ha.
  - b) Project cost 712.20 Lakh

# MICRO CODE WISE/ACTIVITIES WISE PHYSICAL & FINANCIAL BREAKUP YEAR- 2011-12 TO 2014-15

Code No. - I.W.M.P. - 9

#### Name of P.I.A.- B.S.A. (ag) Chitrakoot

#### **Distt- Chitrakoot**

S.	MWS	Name	Con Bu (C.	nd	P.B/M		Check (R.C		Wor	cca k (SP. ay)	Total	56%	Manage ment	Prepar atory	Produc tion	Livelih	Consolid ation	Tot	Grand	Total
N o.	Code No.	of Project	Are a (ha. )	Am. (La kh)	Area (ha.)	Am. (La kh)	Area (ha.)	Am. (La kh)	No.	Am. (La kh)	Area (ha.)	Am. (La kh)	Compo nent 12%	Phase 10%	Syste m 10%	ood 9%	Phase 3%	al 44%	Area (ha.)	Am. (La kh)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	2C1A2 a3d	Chhiola ha-I	46.6 6	1.31	167. 34	7.50	332. 00	17.3 9	6.0 0	10.5 0	546. 00	36.6 9	7.87	6.55	6.55	5.90	1.96	28.8 3	546. 00	65.5 2
2	2C1A2 a3e	Chhiola ha-II	43.4 3	1.22	155. 67	6.97	308. 90	12.8 1	8.0 0	13.1 3	508. 00	34.1 4	7.32	6.10	6.10	5.49	1.83	26.8 2	508. 00	60.9 6
3	2C1A2 c1e	Sakhau nha	0.00	0.00	115. 12	3.30	394. 88	7.31	12. 00	23.6 8	510. 00	34.2 8	7.34	6.12	6.12	5.50	1.85	61.2 0	510. 00	61.2 0
4	2C1A2 b2c	Sikraun	124. 77	5.40	78.4 0	3.92	467. 83	1.74	15. 00	34.0 3	671. 00	45.0 9	9.66	8.05	8.05	7.25	2.42	35.4 3	671. 00	80.5 2
5	2C1A2 b3c	Mankun war-I	44.0 0	1.23	147. 00	7.10	176. 00	10.1 2	4.0 0	6.21	367. 00	24.6 6	5.29	4.40	4.40	3.97	1.32	19.3 8	367. 00	44.0 4
6	2C1A2 a3a	Kotra Khamb ha	34.5 0	0.75	166. 10	6.07	529. 40	20.2	13. 00	22.0 2	730. 00	49.0 6	10.51	8.76	8.76	7.88	2.63	38.5 4	730. 00	87.6 0
7	2C1A2 a2d	Garhwa - I	13.4 0	0.37	141. 81	5.45	94.7 9	4.05	7.0 0	6.92	250. 00	16.8 0	3.60	3.00	3.00	2.70	0.90	13.2 0	250. 00	30.0 0
8	2C1A2 a3h	Garhwa - II	0.00	0.00	125. 60	5.68	34.4 0	2.75	2.0 0	2.37	160. 00	10.7 5	2.30	1.92	1.92	1.73	0.58	8.45	160. 00	19.2 0
9	2C1A2 b3b	Mankun war-II	21.7 0	0.62	28.9 0	1.95	284. 40	6.61	11. 00	13.3 3	335. 00	22.5 1	4.82	4.02	4.02	3.62	1.21	17.6 9	335. 00	40.2 0
10	2C1A2 a3d	Mandau r	20.2 5	1.20	322. 39	17.6 6	315. 36	20.4	7.0 0	4.91	658. 00	44.1 9	9.47	7.89	7.89	7.11	2.37	34.7 3	658. 00	78.9 2
11	2C1A2 b1b	Sesa Subhka ra- I	7.10	0.35	110. 00	7.03	234. 90	8.15	5.0 0	8.12	352. 00	23.6 5	5.07	4.22	4.22	3.80	1.27	18.5 9	352. 00	42.2 4
12	2C1A2 b1a	Sesa Subhka ra- II	0.00	0.00	80.4 2	4.84	294. 58	8.75	4.0 0	11.6 1	375. 00	25.2 0	5.40	4.50	4.50	4.05	1.35	19.8 0	375. 00	45.0 0
	Total		355. 81	12.4 5	1638 .75	77.4 6	3467 .44	120. 33	94. 00	156. 84	5462 .00	367. 02	78.65	65.54	65.54	58.98	19.68	322. 66	5462 .00	655. 44

# YEARWISE PHYSICAL AND FINANCIAL BREAK UP OF WORK COMPONENT OF IWMP- 9, DISTRICT-CHITRAKOOT YEAR- 2011-12 TO 2014-15

Name of P.I.A.- B.S.A. (ag) Chitrakoot

Area in ha, amount in lacs

S.	MWS Code	Name of	Propos D.P	-	2011 20°		2012 25°	_	2013 25°		2014 30 <sup>9</sup>	-15	Tot 100	
No.	No.	Project	Area	Amt.	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	6	7	8	9	10	11	12	13	14	15	16	17
1	2C1A2a3d	Chhiolaha-I	546.00	65.52	109.20	13.10	136.50	16.38	136.50	16.38	163.80	19.66	546.00	65.52
2	2C1A2a3e	Chhiolaha-II	508.00	60.96	101.60	12.19	127.00	15.24	127.00	15.24	152.40	18.29	508.00	60.96
3	2C1A2c1e	Sakhaunha	510.00	61.20	102.00	12.24	127.50	15.30	127.50	15.30	153.00	18.36	510.00	61.20
4	2C1A2b2c	Sikraun	671.00	80.52	134.20	16.10	167.75	20.13	167.75	20.13	201.30	24.16	671.00	80.52
5	2C1A2b3c	Mankunwar- I	367.00	44.04	73.40	8.81	91.25	11.01	91.25	11.01	110.10	13.21	367.00	44.04
6	2C1A2a3a	Kotra Khambha	730.00	87.60	146.00	17.52	182.50	21.90	182.50	21.90	219.00	26.28	730.00	87.60
7	2C1A2a2d	Garhwa- I	250.00	30.00	50.00	6.00	62.50	7.50	62.50	7.50	75.00	9.00	250.00	30.00
8	2C1A2a3h	Garhwa- II	160.00	19.20	32.00	3.84	40.00	4.80	40.00	4.80	48.00	5.76	160.00	19.20
9	2C1A2b3b	Man kunwar-II	335.00	40.20	67.00	8.04	83.75	10.05	83.75	10.05	100.50	12.06	335.00	40.20
10	2C1A2a3d	Mandaur	658.00	78.92	131.60	15.78	164.50	19.73	164.50	19.73	197.40	23.68	658.00	78.92
11	2C1A2b1b	Sesasu Bhkara- I	352.00	42.24	70.40	8.45	88.00	10.56	88.00	10.56	105.60	12.67	352.00	42.24
12	2C1A2b1a	Sesasu Bhkara- II	375.00	45.00	75.00	9.00	93.75	11.25	93.75	11.25	113.50	13.50	375.00	45.00
	Total		5462.00	655.44	1092.40	131.08	1365.00	163.85	1365.00	163.85	1639.60	196.62	5462.00	655.44

# GRAM PANCHAYIT WISE/ACTIVITIES WISE PHYSICAL & FINANCIAL BREAKUP YEAR- 2011-12 TO 2014-15

# Code No. - I.W.M.P. - 9 Name of Project- Chhiolaha- I Micro Watershed Code No- 2C1A2a3d Name of P.I.A.- B.S.A. (ag) Chitrakoot Distt- Chitrakoot

S. No.	Name of Project	MWS Code No	Covered Gram Panchayat		(C.B.)		(P.	.B/M.B/	S.B)	(C.D	/R.C.D./\	W.H.S.)	Work	cca ( (SP. ay)		Total	
			Tanchayac	No.	Area	Am.	No.	Area	Am.	No.	Area	Am.	No.	Am.	No.	Area	Am.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1			Kotara Khambha	6	7.45	0.208	18	42.54	1.905	12	65.16	3.823	1	1.65	37	115.15	7.586
2	Ch hi alah a		Tilauli	7	7.32	0.204	10	20.22	0.902	9	27.72	2.328	0	0	26	55.26	3.434
3	Chhiolaha- I	2C1A2a3d	Bhitari	11	15.49	0.433	15	36.12	1.618	26	97.04	6.501	1	1.65	53	148.65	10.202
4			Bamburi	9	10.19	0.285	1	2.73	0.122	1	2.23	0.187	0	0	11	15.15	0.594
5			Chhiolaha	4	6.21	0.176	26	65.73	2.95	20	139.85	4.549	4	7.20	54	211.79	14.875
·	Total			37	46.66	1.31	70	167.3	7.49	68	332.00	17.38	6	10.5	181.0	546.00	36.69

#### **Other Component**

S. No.	Covered Gram	Management	Prepatory Phase	Production System	Livelihood	Consolidation	Total	Grand Total			
	Panchayat	Component 12%	10%	10%	9%	Phase 3%		No.	Area	Am.	
1	2	19	20	21	22	23	24	25	26	27	
1	Kotara Khambha	1.660	1.381 1.381		1.244	0.415	6.081	37	115.15	13.667	
2	Tilauli	0.798	0.663	0.663 0.663		0.200	2.921	26	55.26	6.355	
3	Bhitari	2.141	1.784	1.784	1.605	0.540	7.854	53	148.65	18.056	
4	Bamburi	0.218	0.182	0.182	0.164	0.054	0.800	11	15.15	1.394	
5	Chhiolaha	3.050	2.541	2.541	2.287	0.754	11.173	54	211.79	26.048	
	Total	7.867	6.551 6.551		5.897	1.963	28.82	181	546.0	65.520	

## GRAM PANCHAYIT WISE/ACTIVITIES WISE PHYSICAL & FINANCIAL BREAKUP YEAR- 2011-12 TO 2014-15

Code No. - I.W.M.P. - 9 Name of Project- Chhiolaha - II Micro Watershed - 2C1A2a3e Name of P.I.A.- B.S.A. (ag) Chitrakoot Distt- Chitrakoot

S. No.	Name of	MWS	Covered Gram		(C.B.)		(	P.B/M.B/S	S.B)	(C.D	(C.D/R.C.D./W.H.S.)			Pucca Work (SP. Way)		Total		
No.	Project	Code No	Panchayat	No.	Area	Am.	No.	Area	Am.	No.	Area	Am.	No.	Am.	No.	Area	Am.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1	- Chhiolaha- II	2C1A2a3e	Kotara Khambha (Tecana)	0	0	0	1	3.22	0.153	2	6.21	0.522	0	0.00	3	9.43	0.675	
2	- Cililiolatia- II		Chhiolaha	24	43.43	1.216	54	133.28	5.963	56	294.66	11.617	8	13.134	142	471.37	31.93	
3			Chhitaini Mafi	0	0	0	10	19.17	0.858	3	8.03	0.674	0	0	13	27.20	1.532	
	Total	Total		24	43.4 3	1.216	65	155.67	6.97 4	61	308.90	12.813	8	13.134	158.00	508.0 0	34.137	

#### **Other Component**

	Covered	Management	Prepatory	Production   Livelinood   Consolidation				G	Grand Total		
S. No.	Gram Panchayat	Component 12%	Phase 10%	System 10%	9%	Phase 3%	Total	No.	Area	Am.	
1	4	19	20	21	22	23	24	25	26	27	
1	Kotara Khambha (Tecana)	0.136	0.068	0.113	0.102	0.034	0.498	3	9.43	1.173	
2	Chhiolaha	6.789	5.838	5.657	5.091	1.71	24.90	142	471.37	56.830	
3	Chhitaini Mafi	0.390	0.190	0.326	0.293	0.090	1.425	13	27.20	2.957	
_	Total	7.315	6.096	6.096	5.486	1.830	26.823	158	508.00	60.960	

# GRAM PANCHAYIT WISE/ACTIVITIES WISE PHYSICAL & FINANCIAL BREAKUP YEAR- 2011-12 TO 2014-15

Code No. - I.W.M.P. - 9 Name of Project- Sakhaunha
Name of P.I.A.- B.S.A. (ag) Chitrakoot

Micro Watershed Code No- 2C1A2c1e Distt- Chitrakoot

S.	Name of	MWS Code	Covered Gram	(C.B.)			(1	P.B/M.B/	S.B)	(C.E	D/R.C.D./W	.H.S.)	Pucca Work (SP. Way)			Total	
No.	Project	No	Panchayat	No.	Area	Am.	No.	Area	Am.	No.	Area	Am.	No.	Am.	No.	Area	Am.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1		2C1A2c1e	Sakhaunha	0	0	0	4	60.62	0.762	6	156.00	3.798	6	10.000	10	216.62	14.560
2	Sakhaunha		Mandaur	0	0	0	0	0	0	3	113.180	2.255	3	5.355	3	113.18	7.610
3			Biyawal	0	0	0	6	54.50	2.535	2	125.70	1.252	3	8.320	9	180.20	12.107
	Total			0	0	0	10	115.12	3.30	11	394.880	7.31	12	23.675	22.00	510.0	34.277
							Ot	her Comp	onent								
_	Covered	vered Management Prepatory					_					Grand Total					
S.	Gram	Compo		hase	PI	roducti		Liveliho	ood		solidation		Total				

#### No. System 10% 9% Phase 3% No. Panchayat 10% Area Am. 12% 2 19 23 24 27 1 20 21 22 25 26 Sakhaunha 2.600 2.600 0.780 216.620 26.00 3.120 2.340 26.00 10 3 180.200 Mandaur 1.350 1.624 1.350 0.431 13.58 13.58 1.215 9 Biyawal 2.162 2.598 2.162 1.944 0.647 21.62 113.180 21.62 6.112 7.342 6.112 5.499 1.858 61.20 22 510.00 61.20 Total

# GRAM PANCHAYIT WISE/ACTIVITIES WISE PHYSICAL & FINANCIAL BREAKUP YEAR- 2011-12 TO 2014-15

#### Code No. - I.W.M.P. - 9 Name of Project- Sikraun

### Micro Watershed No- 2C1A2b2c Distt- Chitrakoot

Name of P.I.A.- B.S.A. (ag) Chitrakoot

S.	Name of	MWS	Covered Gram	(C.B.) (P.B/M.B/S.B) (C.D/R.G				(C.D/R.C.D./W.H.S.)			Pucca Work (SP. Way)		Total				
No.	Project	Code No	Panchayat	No.	Area	Am.	No.	Area	Am.	No.	Area	Am.	No.	Am.	No.	Area	Am.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1			Sikraun	10	55.87	2.493	0	0	0	1	12.33	0.329	1	1.762	11	68.20	4.584
2		2C1A2b2c	Sakhaunha	0	0	0	0	0	0	1	19.80	0	1	1.330	1	19.80	1.330
3			Konpa	8	42.00	1.722	0	0.00	0	0	0.00	0	3	1.100	8	42.00	2.822
4	Sikraun		Mandaur, Dhendhaura, Bambura	5	26.90	1.187	14	78.40	3.920	9	377.70	1.411	8	25.939	28	483.00	32.457
5			Mau Mustakil, Dhawada	0	0	0	0	0	0	2	58.00	0	2	3.897	2	58.00	3.897
	Total			23	124.77	5.40	14	78.40	3.92	13	467.830	1.74	15	34.028	50.00	671.0	45.09

#### **Other Component**

s.	Covered Gram	Management Component	Prepatory Phase	Production	Livelihood	Consolidation	Total		Grand Total		
No.	Panchayat	12%	10%	System 10%	9%	Phase 3%	lotai	No.	Area	Am.	
1	4	19	20	21	22	23	24	25	26	27	
1	Sikraun	0.818	1.274	0.818	0.736	0.245	3.891	11	68.20	8.475	
2	Sakhaunha	0.238	0.191	0.238	0.214	0.075	0.956	1	19.80	2.286	
3	Konpa	0.505	0.402	0.505	0.453	0.152	2.017	8	42.00	4.839	
4	Mandaur, Dhendhaura, Bambura	5.796	6.957	5.796	5.216	1.738	25.503	28	483.00	57.960	
5	Mau Mustakil, Dhawada	0.696	0.836	0.696	0.626	0.209	3.063	2	58.00	6.960	
	Total	8.053	9.660	8.053	7.245	2.419	35.430	50	671.00	80.520	

## GRAM PANCHAYIT WISE/ACTIVITIES WISE PHYSICAL & FINANCIAL BREAKUP YEAR- 2011-12 TO 2014-15

Code No. - I.W.M.P. - 9 Name of Project- Man Kunwar- II

Name of P.I.A.- B.S.A. (ag) Chitrakoot

2

4

Tilauli

Man Kunwar

Tikra

Total

1.009

3.677

0.392

5.29

0.837

3.064

0.326

4.403

0.837

3.064

0.326

4.403

Micro Watershed No- 2C1A2b3c Distt- Chitrakoot

			Maille	5 OI P.J	A L	(	ay) \	Cilitian	oot		Distt-	Cilitia	KOOL				
S. No.	Name of Project	MWS Code No	Covered Gram		(C.B.	C.B.) (P.B/M.B/S.B) (C.		(C.	D/R.C.D./V	V.H.S.)	Wo	ucca rk (SP. Vay)		Total			
			Panchaya	No.	Area	Am.	No.	Area	Am.	No.	Area	Am.	No.	Am.	No.	Area	Am.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1			Sesa Subhkara	0	0	0	0	0	0	3	14.70	0.800	0	0.000	3	14.70	0.800
2	Man	20112	Tilauli	3	8.72	0.244	7	23.96	1.161	7	37.10	2.089	0	0	17	69.78	3.494
3	Kunwar- II	nwar- II 2C1A2b3c	Man Kunwar	6	16.10	0.451	29	115.04	5.537	22	124.20	7.227	4	6.213	61	255.3 4	19.428
			Tikra	6	19.18	0.537	2	8.00	0.403	0	0.00	0	0	0	8	27.18	0.940
	Total			15	44.00	1.232	38	147.00	7.101	32	176.000	10.116	4	6.213	89.00	367.0 0	24.662
							Oth	ner Compo	onent		•					•	
	Covered	Manag	ement	Prepator	v										Gı	rand Tota	l
S. No.	Gram Panchaya	Compo	onent	Phase 10%	·   P	roduction stem 109	-	Livelihood 9%		Consolidation Phase 3%		Т	otal	N	lo.	o. Area	
1	2	19	9	20		21		22			23		24		25	26	27
1	Sesa Subhkara	0.2	12	0.176		0.176		0.159		0.053		0	0.776		3	14.70	1.576
	1							·			·	1				-	·

0.754

2.758

0.294

3.965

0.251

0.919

0.098

1.321

3.688

13.482

1.435

19.381

17

61

8

89

69.78

255.34

27.18

367.00

7.182

32.910

2.376

44.044

# Code No. - I.W.M.P. - 9 Name of Project- Kotra Khambha Micro Watershed Code No- 2C1A2a3a Name of P.I.A.- B.S.A. (ag) Chitrakoot Distt- Chitrakoot

S. No	Name of Project	MWS Code	Covered Gram		(C.B.	)	(1	P.B/M.B/	S.B)	(C.	D/R.C.D./V	V.H.S.)		a Work . Way)		Total	
	Project	No	Panchayat	No.	Area	Am.	No.	Area	Am.	No.	Area	Am.	No.	Am.	No.	Area	Am.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1			Kotra Khambha	8	20.00	0.394	11	65.00	1.757	36	355.00	16.92 6	5	10.491	60	440.0 0	29.568
2	Kotra Khambh	2C1A2a 3a	Purab Pata	6	10.50	0.235	8	45.10	1.986	5	114.40	2.008	3	7.195	22	170.0 0	11.424
3	a		Garhwa	4	4.00	0.116	7	21.00	1.110	2	60.00	1.288	2	3.198	15	85.00	5.712
4			Tikra				9	35.00	1.21	0	0.00	0	3	1.138	12	35.00	2.352
	Total			18	34.5 0	0.745	35	166.1 0	6.06 7	43	529.40 0	20.22	13	22.02	109.0 0	730.0 0	49.05 6
							O	ther Com	ponent								
S.	Covered		nagement	Prepat	- 1	Product	ion	Livelih	ood	Co	nsolidatio	n			G	rand Tota	I
No.	Gram Panchaya		mponent 12%	Phas 10%	_	System 1	_	9%	5		Phase 3%		Total		No.	Area	Am.
1	4		19	20		21		22			23		24		25	26	27
1	Kotra Khambh	a	6.336	5.28	3	4.752	2	5.28	80		1.584		23.232	2	60	440.00	52.800
2	Purab Pat	tai	2.448	2.04	ı	1.836	5	2.04	10		0.612		8.976		22	170.00	20.400
3	Garhwa	1	1.224	1.02	2	0.918	3	1.02	20		0.306		4.488	1	15	85.00	10.200
4	Tikra		0.504	0.42	2	0.378	3	0.42	20		0.126		1.848	1	12	35.00	4.200
	Total		10.512	8.76	0	7.884	, <u> </u>	8.76	50		2.628		38.54	4	109	730.00	87.600

# Code No. - I.W.M.P. - 9 Name of Project- Garhwa- II Micro Watershed Code No- 2C1A2a3h Name of P.I.A.- B.S.A. (ag) Chitrakoot Distt- Chitrakoot

S.	Name of	MWS	Covere Gram	-	(C.B.	)	(P	P.B/M.B/S	.В)	(C.D	/R.C.D./V	V.H.S.)	Woi	ucca rk (SP. /ay)		Total	
No.	Project	Code No	Panchay	No.	Area	Am.	No.	Area	Am.	No	Area	Am.	No	Am.	No.	Area	Am.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Garhwa - II	2C1A2a3 h	Garhwa	a 0	0.00	0	36	125.6 0	5.67 8	6	34.40	2.75 3	2	2.37 1	44	160.0 0	10.75 2
	Total			0	0.00	0	36	125.6 0	5.67 8	6	34.40 0	2.75 3	2	2.37 1	44.0 0	160.0 0	10.75 2
			•	•		•	Other (	Compone	nt		•		•				
S.	Covered		gement	Prepator Phase	y Pi	oduction	L	ivelihood		Consol	idation	_	otal		G	rand Tota	ıl
No.	Panchaya	•	onent 2%	10%	Sy	stem 10%	•	9%		Phas	se 3%	'	Otai	N	о.	Area	Am.
1	2	1	.9	20		21		22		2	23		24	2	:5	26	27
1	Garhwa	2.3	304	1.920		1.920		1.728		0.5	576	8	.448	4	4	160.00	19.200

1.728

0.576

8.448

160.00

19.200

Total

2.304

1.920

1.92

#### Code No. - I.W.M.P. - 9 Name of Project- Garhwa - I Micro Watershed Code No- 2C1A2a2d Name of P.I.A.- B.S.A. (ag) Chitrakoot

# **Distt- Chitrakoot**

S. No.	Name of	MWS Code No	Covere Gram			(C.B.)		(P	.B/M.B/S	.в)	(C.D	/R.C.D./V	V.H.S.)	Wor	ucca rk (SP. /ay)		Total	
NO.	Project	Code No	Panchay	yat	No.	Area	Am.	No.	Area	Am.	No ·	Area	Am.	No ·	Am.	No.	Area	Am.
1	2	3	4		5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Carlana	2C1A2a2	Garhw	⁄a	8	11.00	0.308	37	134.2 1	5.11 3	9	94.79	4.05 4	7	6.92 3	61	240.00	16.39
2	· Garhwa - I	d	Purab Pa	atai	1	2.40	0.062	2	7.60	0.34	0	0.00	0	0	0	3	10.00	0.402
	Total				9	13.4	0.370	39	141.8 1	5.45	9	94.79 0	4.05	7	6.92 3	64.0 0	250.0	16.80 0
		•	•					Other (	Componer	nt						•	•	•
	Covered					Pro	oduction		.ivelihood		Conso	lidation				G	Grand Tota	ıl
S. No	o. Gram Panchaya	Comp at 12		nent Phase			stem 10%		9%			se 3%	٦	Γotal	N	lo.	Area	Am.
1	2	1	9		20		21		22		:	23		24	2	25	26	27
1	Garhwa	3.4	.60	2	.882		2.882		2.595		0.	864	1	2.683	6	51	240.00	28.824
2					0.118		0.105		0.	036	(	).517		3	10.00	1.176		
	Total	3.6	000	3	0.118			2.700		0.	900	1	3.200	(	64	250.00	30.000	

# Code No. - I.W.M.P. - 9 Name of Project- Man Kunwar- I Micro Watershed Code No- 2C1A2b3b Name of P.I.A.- B.S.A. (ag) Chitrakoot Distt- Chitrakoot

S.	Name of	MWS	Covered		(C.B.)		(P.	B/M.B/S	S.B)	(C.D.	/R.C.D./V	V.H.S.)		a Work . Way)		Total	
No.	Project	Code No	Gram Panchayat	No.	Area	Am.	No.	Area	Am.	No	Area	Am.	No ·	Am.	No ·	Area	Am.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1			Kotra Khambha	0	0.00	0	0	0.00	0	2	48.00	0.65 3	2	2.573	2	48.00	3.226
2			Tilauli	0	0.00	0	6	8.60	0.58 3	2	36.40	0.94	1	1.501	8	45.00	3.024
3	Man Kunwar- I	2C1A2b3 b	Tikra	10	18.20	0.501	11	8.80	0.59 9	5	71.00	1.48 2	4	4.003	26	98.00	6.585
4			Man Kunwar	3	3.50	0.122	4	5.50	0.37 2	6	120.0 0	2.92 5	4	5.250	13	129.00	8.669
5			Purab Patai	0	0	0	3	6.0	0.39 6	2	9.00	0.61 2	0	0	5	15.00	1.008
	Total			13	21.70	0.623	24	28.9 0	1.95	17	284.4 0	6.61	11	13.32 7	54	335.0	22.51

#### Other Component

S. No.	Covered Gram	Management	Prepatory Phase	Production	Livelihood	Consolidation	Total		<b>Grand Tot</b>	al
3. NO.	Panchayat	Component 12%	10%	System 10%	9%	Phase 3%	iotai	No.	Area	Am.
1	2	19	20	21	22	23	24	25	26	27
1	Kotra Khambha	0.691	0.576	0.576	0.518	0.173	2.534	2	48.00	5.760
2	Tilauli	0.648	0.540	0.540	0.486	0.1620	2.376	8	45.00	5.400
3	Tikra	1.411	1.176	1.176	1.058	0.353	5.175	26	98.00	11.760
4	Man Kunwar	1.858	1.5480	1.548	1.393	0.465	6.811	13	129.00	15.480
5	Purab Patai	0.2160	0.180	0.180	0.162	0.054	0.792	5	15.00	1.800
	Total	4.824	4.020	4.020	3.618	1.207	17.688	54	335.00	40.200

#### Code No. - I.W.M.P. - 9 Name of Project- Mandaur Name of P.I.A.- B.S.A. (ag) Chitrakoot

1.576

2.548

3.767

7.891

1.892

3.057

4.521

9.470

1.576

2.548

3.767

7.891

1

2

Mandaur

Mawai Kalan

Mau Mustkil

Total

# Micro Watershed Code No- 2C1A2b2a Distt- Chitrakoot

131.40

212.36

313.99

657.75

31

56

66

153

14.843

26.010

38.069

78.922

S. No.	Name of Project	MWS Code No	Covered Gram		(С.В.	)		(P.B/M.B/	S.B)	(C.I	D/R.C.D./\	V.H.S.)	Wo	ucca rk (SP. /ay)		Total	
			Panchaya	No.	Area	Am.	No.	Area	Am.	No.	Area	Am.	No.	Am.	No.	Area	Am.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1			Mandaur	4	7.55	0.456	17	82.67	3.576	8	41.18	2.674	2	1.200	31	131.4	7.906
2	Mandaur	2C1A2b2a	Mawai Kalan	6	12.70	0.748	32	133.77	8.326	16	65.89	4.724	2	1.000	56	212.36	14.798
3			Mau Mustkil	0	0	0	40	105.7	5.755	23	208.29	13.024	3	2.711	66	313.99	21.49
	Total			10	20.2 5	1.204	89	322.14	17.657	47	315.36	20.42	7	4.911	153.00	657.7 5	44.194
						•	01	ther Comp	onent								•
S.	Covered		gement	Prepato Phase	-	Productio	n	Liveliho	od	Cons	olidation		Total		Gr	and Total	
No.	Panchaya		2%	10%	•	ystem 10	)%	9%		Ph	ase 3%		iotai		No.	Area	Am.
1	2	1	.9	20		21		22			23		24		25	26	27

1.420

2.295

3.394

7.109

0.473

0.764

1.130

2.367

6.937

11.212

16.579

34.728

# I.W.M.P.- 9 Name of Project- Sesa Subhkara- I Micro Watershed Code No- 2C1A2b1b Name of P.I.A.- B.S.A. (ag) Chitrakoot Distt- Chitrakoot

		Naı	ne of P.I	.A	B.S.A	. (ag)	Chi	trako	ot		Dist	t- Ch	itra	koot			
S.	Name of	MWS	Covered Gram		(C.B.)		(P	.B/M.B/S	.в)	(C.D	/R.C.D./W	/.H.S.)		a Work Way)		Total	
No.	Project	Code No	Panchayat	No.	Area	Am.	No.	Area	Am.	No.	Area	Am.	No.	Am.	No.	Area	Am.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1			Mau Mustkil	1	2.60	0.131	0	0	0	0	0	0	0	0.000	1	2.60	0.131
2	Sesa	264 4 2 4 4 4	Sesa Subhkara	3	4.50	0.219	23	47.93	3.287	19	177.39	7.014	3	5.000	45	229.82	15.520
3	Subhkara	2C1A2b1b	Tilauli	0	0	0	0	2.56	0.154	0	25.00	0	1	2.000	1	27.56	2.154
			Man Kunwar	0	0	0	27	59.51	3.590	7	32.51	1.139	1	1.119	34	92.02	5.848
	Total			4	7.10	0.35	50	110.00	7.03 1	26	234.90	8.153	5	8.119	81.00	352.0 0	23.653
							Other	Compone	nt								
	Covered Manag		ement Pre	patory		_					_				Gra	and Total	
S. No.	Gram Componer	nent P	hase L0%		duction em 10%	Liv	velihood 9%	Con	solidati 3%	ion Phase	To	otal	No	o. ,	Area	Am.	

	Covered	Management	Prepatory						<b>Grand Tota</b>	al
S. No.	Gram Panchayat	Component 12%	Phase 10%	Production System 10%	Livelihood 9%	Consolidation Phase 3%	Total	No.	Area	Am.
1	2	19	20	21	22	23	24	25	26	27
1	Mau Mustkil	1.987	1.656	1.656	1.490	0.497	7.286	1	2.60	7.417
2	Sesa Subhkara	1.964	1.637	1.637	1.473	0.491	7.202	45	229.82	22.722
3	Tilauli	0.239	0.199	0.199	0.179	0.060	0.876	1	27.56	3.030
	Man Kunwar	0.878	0.732	0.732	0.659	0.22	3.221	34	92.02	9.069
	Total	5.068	4.224	4.224	3.801	1.268	18.585	81	352.00	42.238

#### I.W.M.P. - 9 Name of Project- Sesa Subhkara- II Micro Watershed Code No- 2C1A2b1a Name of P.I.A.- B.S.A. (ag) Chitrakoot Distt- Chitrakoot

S.	Name of	MWS	Covered Gram		(C.B.)	)	(P	.B/M.B/	S.B)	(C.D/	R.C.D./W	.H.S.)		a Work . Way)		Tota	I
No.	Project	Code No	Panchayat	No.	Area	Am.	No.	Area	Am.	No.	Area	Am.	No.	Am.	No.	Area	Am.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Sesa	2C1A2b1a	Mau Mustkil	0	0	0	9	23.80	1.439	0	0	0	0	0.000	9	23.80	1.439
2	Subhkara- II		Sesa Subhkara	0	0.00	0	22	56.62	3.396	22	294.58	8.752	4	11.613	48	351.2	23.761
	Total			0	0	0	31	80.42	4.835	22	294.58	8.752	4	11.613	57	375.0	25.200
		<u>'</u>	1		ı	O	ther (	Compo	nent				ı				
S. Covered		Manage	ment Prep	atory	Des	duction		.ivelihoo	a	Consoli	dation				Gr	and Tota	
S. No.	Gram	Compo	nent Ph	ase		duction tem 10%		.iveiinoo 9%	a	Phase		To	tal			_	_

	Covered	Management	Prepatory	Duodustion	Livelihood	Consolidation			<b>Grand Tota</b>	al
S. No.	Gram Panchayat	Component 12%	Phase 10%	Production System 10%	9%	Phase 3%	Total	No.	Area	Am.
1	2	19	20	21	22	23	24	25	26	27
1	Mau Mustkil	1.572	1.310	1.310	1.179	0.393	5.764	9	23.800	7.203
2	Sesa Subhkara	3.828	3.190	3.190	2.871	0.957	14.036	48	351.200	37.797
	Total	5.400	4.500	4.500	4.050	1.350	19.800	57	375.00	45.000

#### **ANNUAL ACTION PLAN of Budget Components of IWMP-IX CHITRAKOOT**

_	51 1 1 1 5 1 5 1 1		Ist \	⁄ear	line	d Year	Illro	l Year	IVth	Year	T-4	-1
S.	Physical And Financial	Unit	201	1-12	20:	12-13	20:	13-14	201	4-15	Tot	aı
No.	Target (Fin in lacs)		Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy
1	Administration		13.11		18.02		18.02		16.39		65.54	
2	Monitoring		1.31		1.80		1.80		1.64		6.55	
3	Evaluation		1.97		1.47		1.47		1.64		6.55	
4					Er	ntry Point A	tivities					
	Planned											
	No. of Activities	No.	26.22	23							26.22	
	No. of Beneficiaries	No.		276								
	Executed											
	No. of Activities	No.	26.22	23							26.22	
	No. of Beneficiaries	No.		276								
5					Institut	ional & Capa	city Buildi	ng				
	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		55		55		30		215
	User Groups	No.		100		70		70		40		280
	WC Level	No.		50		40		40		12		142
		Total		259		193		193		105		750
	No. of Total Persons Trained											
	SLNA Level	1	1.44		0.39		0.39		0.66		2.88	
	District Level	No. of	3.28		1.11		1.11		0.66		6.16	
	PIA	stake	2.99	210	0.68	69	0.68	69	0.39	38	4.75	386
	WDT Level	holder	1.49	48	0.34	20	0.34	20	0.20	16	2.37	104
	SHG	1	3.74	525	0.85	110	0.85	110	0.49	60	5.93	805
	User Groups	1	4.48	700	1.02	140	1.19	140	0.69	80	7.39	1060
	WC Level	1	2.24	300	0.51	80	0.34	80	0.20	24	3.29	484
	Sub Total		19.66	1783	4.92	419	4.92	419	3.28	218	32.77	2839
6	DPR Preparation		6.55								6.55	

_	SI : 14 15: : 1		lst \	/ear	llno	d Year	IIIro	l Year	IVth	Year	T	_1
S. No.	Physical And Financial Target (Fin in lacs)	Unit	201	1-12	20:	12-13	20:	13-14	201	4-15	Tot	aı
NO.	raiget (Fill III lacs)		Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy
7					Waters	hed Develop	ment Wor	ks				
	Land Development											
	Afforestation (on wasteland)	ha										
	Afforestation (on total land)	ha										
	Horticulture (on wasteland)	ha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Soil And Moisture Conservation											
	1. Field Bund	ha										
	2. Contour Bund	ha	1.67	53.37	2.72	83.62	2.72	83.62	5.34	135.21	12.45	355.81
	3. Marginal Bund/ Peripheral Bunds	ha	6.92	163.88	11.30	256.74	11.30	256.74	22.13	415.15	51.64	1092.50
	4. Sub Marginal Bund	ha	3.46	81.94	5.65	128.37	5.65	128.37	11.07	207.58	25.82	546.25
	Others/ Ponds	ha										
	Sub Total		12.04	299.18	19.67	468.72	19.67	468.72	38.53	757.93	89.91	1994.56
	Water Harvesting Structure ( New Created)											
	Farm Ponds	nos										
	Check Dams	ha	5.37	173.37	8.77	271.62	8.77	271.62	17.19	439.21	40.11	1155.81
	Water Harvesting Bund / Recharging Check Dams	ha	31.74	346.74	51.85	543.23	51.85	543.23	101.59	878.42	237.03	2311.63
	Loose Boulders	ha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Ground water recharge structures	nos										
	Others	nos										
	Sub Total		37.12	520.12	60.62	814.85	60.62	814.85	118.78	1317.63	277.14	3467.44
	Grand Total		49.16	819.30	80.29	1283.57	80.29	1283.57	157.31	2075.56	367.05	5462.00

S. No.	Physical And Financial Target (Fin in lacs)		Ist Year 2011-12		lind	Year	IIIrd	IIIrd Year		Year	Total	
		Unit			2012-13		2013-14		2014-15		Total	
			Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy
8	Livelihood Activities Through SHGs											
	General Merchant Shop											
	a) No. of SHG's		1.00	4	4.50	18	4.50	18	0.00	0	10.00	40
	b) No. of Member's											
	Goat Keeping											
	a) No. of SHG's		0.88	4	3.96	18	3.96	18	0.00	0	8.80	40
	b) No. of Member's											
	Poultry											
	a) No. of SHG's		0.60	4	2.10	14	2.10	14	0.00	0	4.80	32
	b) No. of Member's											
	Dairy											
	a) No. of SHG's		1.25	5	3.50	14	3.50	14	0.00	0	8.25	33
	b) No. of Member's											
	Sewing											
	a) No. of SHG's		0.60	3	2.80	14	2.60	13	0.00	0	6.00	30
	b) No. of Member's											
	Dona Pattla											
	a) No. of SHG's		0.45	3	1.95	13	2.10	14	0.00	0	4.50	30
	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											
	Carpentry											
	a) No. of SHG's		0.45	3	1.95	13	2.10	14	0.00	0	4.50	30
	b) No. of Member's											
	Others (Revolving Fund)		0.87		3.66		3.41		0.00		7.94	
	Sub Total		6.55	29	26.22	116	26.22	118	0.00	0	58.99	263

_	Physical And Financial Target (Fin in lacs)		lst \	/ear	llno	d Year	Illro	IIIrd Year		Year	Total	
S. No.		Unit	2011-12		2012-13		2013-14		2014-15		Total	
NO.			Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy
9	9 Production System & Micro – Enterprices											
	Agriculture											
	a) Crop											
	Demonstration											
	1. No. of Demo.	nos	3.64	37	18.16	180	18.10	180	0.00	0	39.91	397
	2. Area	ha		14.80		72.00		72.00		0.00		158.80
	b) Horticulture		0.45	3	1.35	9	1.05	7	0.00	0	2.85	19
	c) Nursery		0.66	3	1.98	9	1.54	7	0.00	0	4.18	19
	d) Animal Husbandry		0.60	3	1.80	9	1.80	9	0.00	0	4.20	21
	e) Mini Dal / Mini Flour Mill		0.80	2	4.40	11	5.20	13	0.00	0	10.40	26
	f) Seed Distribution		0.40	2	1.80	9	1.80	9	0.00	0	4.00	20
	Sub Total		2.91	13	11.33	47	11.39	45	0.00	0	25.63	105
	Total		6.55		29.49		29.49		0.00		65.54	
10	Consolidation & Withdrawal Phase Activities								19.66		19.66	
	Grand Total		131.09	819.30	162.22	1283.57	162.22	1283.57	199.91	2075.56	655.44	5462.00

# 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 I.W.M.P.-IX Chitrakoot watershed, proper blending of bio engineering measures will be applied on 60% 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.

**Ratio of Cost and Profit** 

S. No.	Name of Cereal	Area in ha	Production /ha in q	Invest Cost/ha	Rate/q	Net profit/ha	Total Net profit
1	Paddy	422.20	16.77	4000	1000	12770	5391494.00
2	Arhar	836.40	7.87	2300	4500	33115	27697386.00
3	Urd/Mung	241.30	5.08	3300	800	764	184353.20
4	Wheat	1435.00	22.06	4200	1000	17860	25629100.00
5	Mustard	696.30	4.26	2600	2000	5920	4122096.00
	Total	3631.20					63024429.20

#### **Status After Work:**

S. No.	Name of Cereal	Area in hectare	Production /ha in q	Invest Cost/ha	Rate/q	Net profit/ha	Total Net profit
1	Paddy	450.50	20.00	4000	1000	16000	7208000.00
2	Arhar	875.00	8.50	2300	4500	35950	31456250.00
3	Urd/Mung	280.00	7.50	3600	800	2400	672000.00
4	Wheat	1525.00	26.05	4200	1000	21850	33321250.00
5	Mustard	725.00	7.56	2600	2000	12520	9077000.00
	Total	3855.50					81734500.00

after the treatment of Land

before the treatment of Land

Net Profit

Ratio of cost and profit

81734500.00

63024429.20

18710070.80

1.30

The above ratio clearly indicated that the conservation of land is extremely profitable.

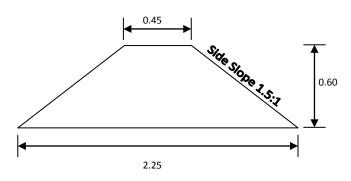
#### **SUMMARY OF EXPECTED /ESTIMATED OUTCOMES OF IWMP-IX of District- Chitrakoot (2011-2012)**

S. No.	Name of the District	Item	Unit of Measurement	Pre-project Status	Expected Post- project Status
1	2	3	4	5	6
1	Chitrakoot	Status of water table	Meter	16.00-17.00	14.00-15.00
2		Grand water structure repaired/ rejuvenated	-	-	-
3		Quality of drinking water	Good	Good	Good
4		Availability of drinking water	Meter	10 months	12 Months
5		Increase in irrigation potential			
		Change in cropping/land use pattern	-	Jowar, Til	Double Cropping
6		Area under agriculture crop	ha	4386.77	4586.70
		i- Area under single crop	ha	1180	1652
		ii- Area under double crop	ha	1914	2400
		iii- Area under multiple crop	ha	-	50
		iv-Cropping Intensity	%	119.11	129.20
7		Increase in area under vegetation	ha	175	250
8		Increase in area under horticulture	ha	165	300
9		Increase in area under fuel & fodder	ha	3.50	9.0
10		Increase in milk production	%	3	4
11		No. of SHGs	No.	16	25
12		Increase in no. of livelihoods	No.	-	54
13		Migration	No.	260	150
14		SHG Federation formed	No.	-	-
15		Credit Linkage with banks	-	-	-

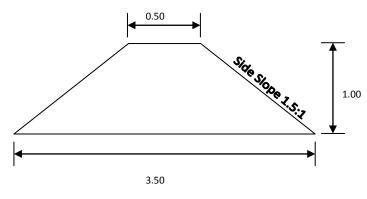
# Chapter-10 COST NORMS & DESIGN OF STRUCTURE PROPOSED

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

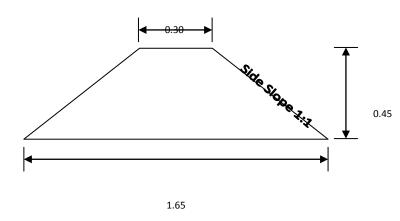
(Not to Scale)



(C.B., Cross-Section –  $1.081 \text{ m}^2$ )



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

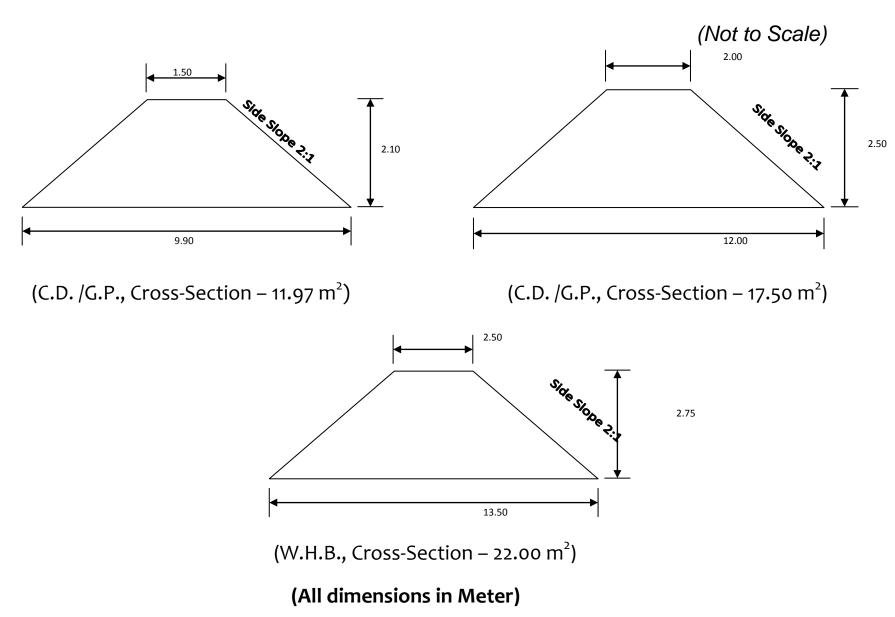


1.35 4.35

(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



#### **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 m

Horizontal Interval (HI) =  $100 \times V.l/s$ 

 $= 100 \times 0.7/1$ 

Height of bund h =  $\sqrt{(\text{Re x VI})/50}$  Re=maximum rainfall in cm

 $=\sqrt{(10 \times 0.7)/50}$ 

 $= \sqrt{0.37}$ = **0.40** 

Say 0.60 m

Free board =15% of height minimum -20 cm

Height = 0.60 + 0.10= 0.60 m

Taking top width of bund 0.50 m and side slope 1.5:1

Then base of Bund =  $0.45 + (1.50 \text{ d}) \times 2$ 

= 2.60 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 x 1 / 0.70 =142.85 m/ha

Say 150 m/ha

Earth work/ha = 150x1.085

= 162.75 cum

Cost Rs. / ha = 162.75 x 39.16 = 6373.29

Say 6375.00

#### **DESIGN OF SUBMERGENCE BUND**

Types of soil – -Loam, Sandy Loam

Rainfall intensity for 24 hrs – 10cm

Field slope 3%

V.I.=[s/3+2]x0.30

=0.90 m

Horizontal Interval = (100xV.I.)/s

=(100x0.90)/3

=30 m

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

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

Free board 20% of height minimum 20cm

**Total Height** 

=0.90m

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

Bottom of bund

= 0.70+2 x 1.5d

= 0.70+2.70

= 3.40

Cross Section of Submergence Bund

= (0.50+3.40) x 1.00 / 2

 $= 2.00 \text{m}^2$ 

Length of bund

= 100 s / V.I.

 $= (100 \times 3) / 0.90$ 

= 333 m

Feasible length 100 + 25 + 25

= 150 m

Earth work/ha

=150 x 1.845

.

=276.75 =276.75 x 39.16

Cost per ha

=10,837.53

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)x0.50/2 = 0.50 m<sup>2</sup>

Length per hectare = 200 m

Earthwork = 200 x 0.50 = 100 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)x1.30/2

 $= 3.60 \text{ m}^2$ 

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 m<sup>2</sup>

Cost /meter = Rs. 839.12

#### **TYPICAL SECTION OF W.H.B**

Top width = 2.50 m

Side slope = 2:1

Height  $= 2.75 \,\mathrm{m}$ 

Bottom Width = 13.50 m

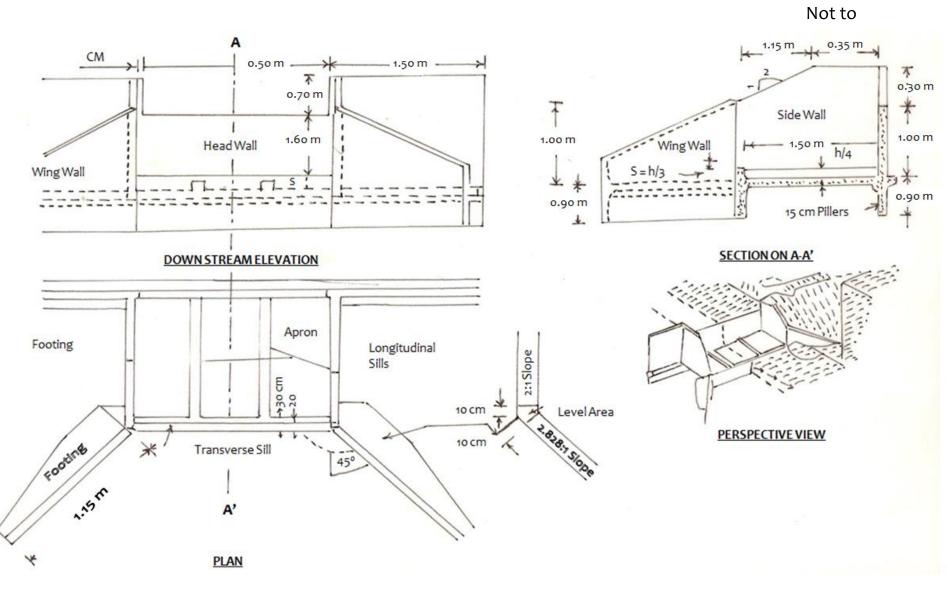
Cross section =  $(2.50 + 13.50) \times 2.75 / 2$ 

 $= 22.00 \text{ m}^2$ 

Per meter cost = Rs. 1085.92

#### DRAWING OF SPILLWAY OF CREST LENGTH 0.5 m

#### **All Dimensions in Metre**



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 (m<sup>3</sup>/s) for the watershed from Rational formula is

given as:

Q = C.I.A. = 
$$0.3x120x1.00 = 36/360 = 0.10 \text{ cum/second}$$
  
360 = 36/360 = 0.10 cum/second

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

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

To find suitable value of L& H

Let us assume L = 0.50 m (since width of gulley is 1.00 m)

$$0.10 = 1.711 L H^{3/2} = 1.711 L H^{3/2}$$

$$(1.10+0.01\times0.5) = (1.105)$$

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

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

H = 
$$(0.128)^{2/3}$$
 = 0.25 m  
Test: L/h =  $0.50$  = 2.0 \ge 2.0 hence O.K.  
0.25  
h/f =  $0.25$  = 0.50 \le 0.5 hence O.K.  
0.50

#### 3. Structural design -

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

$$E = 3x0.5 + 0.6$$
 or  $1.5x0.50$ 

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

Adopted 2.10 m

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

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

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

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

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

= 1.0 or 0.425  
adopt J = 1.00 m  
5- 
$$M = 2 (f + 1.33 h - J) = 2 (0.50 + 1.33 \times 0.25 - 1.00)$$
  
=  $2 \times (-0.167) = -0.335$  m  
6-  $K = (L_B + 0.1) - M = (1.37 + 0.1) - 0.335$   
= 1.47 - 0.335  
= 1.135 m

Toe and cut off walls

Normal scour depth (N S D) = 
$$0.473 \times (Q/f)^{1/3}$$
  
=  $0.473 \times (0.1/1)^{1/3}$   
=  $0.473 \times 0.464$   
=  $0.219$   
Maximum Scour depth (M S D) =  $1.5 \times N \times D$   
=  $1.5 \times 0.219$   
=  $0.328 \text{ m}$   
says  $0.35 \text{ m}$   
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	Thickne	ess 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

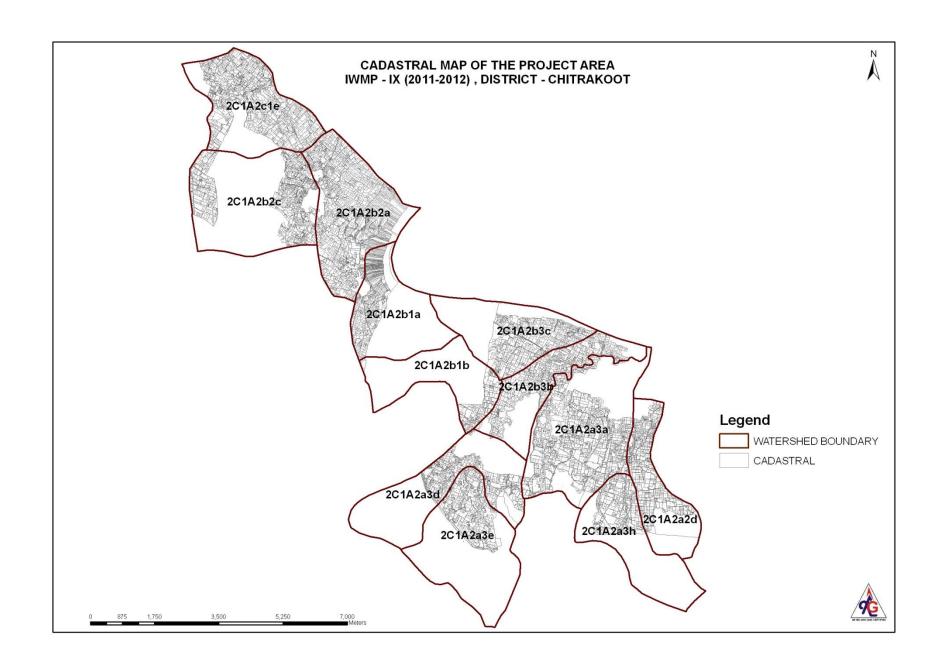
# CHAPTER -11 MAPS

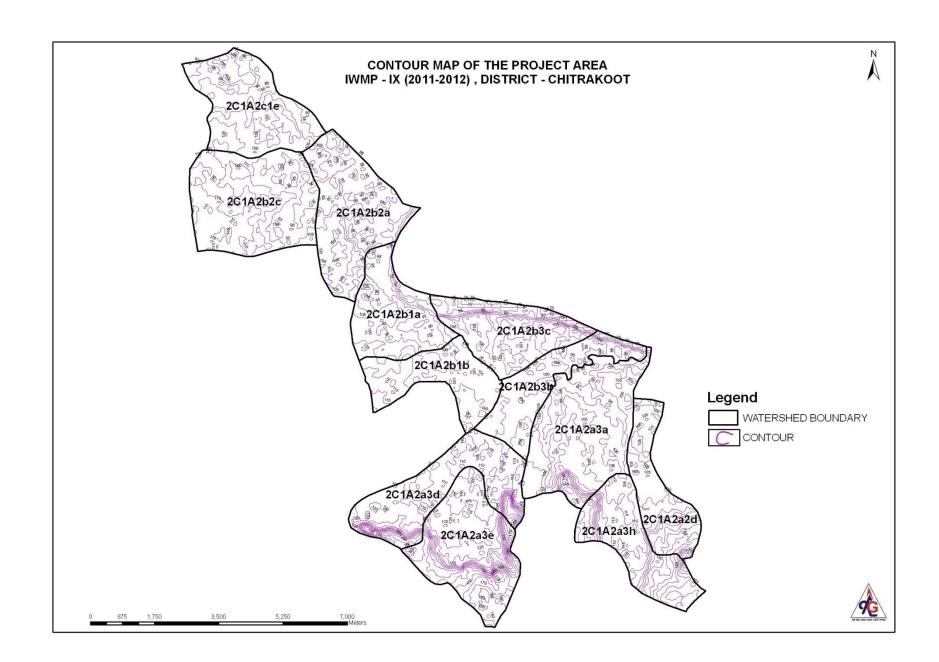
### **MAPS**

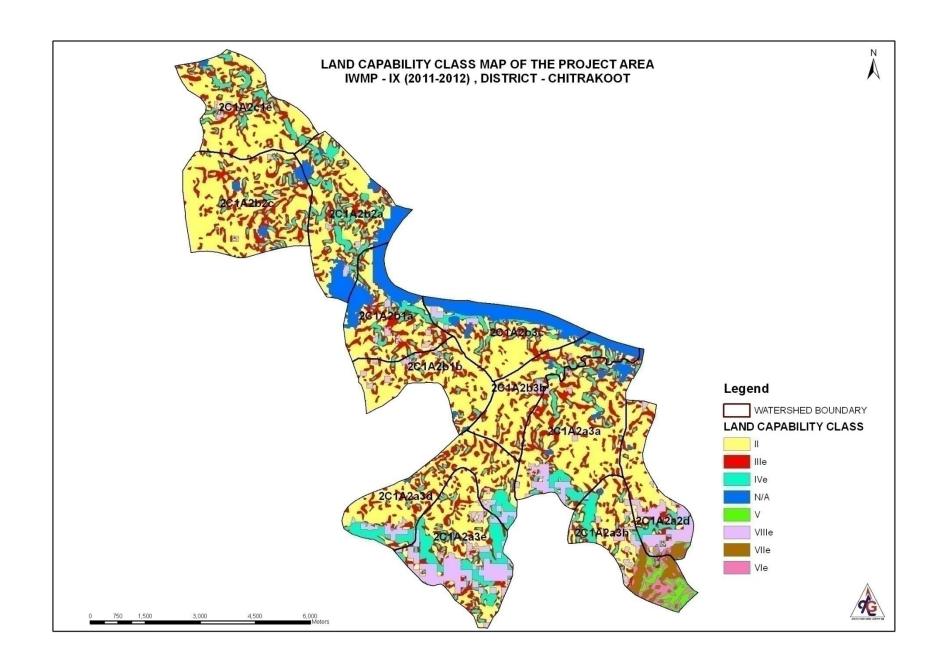
An attempt has been to map the surface details of the project area, as per the instruction of the common Guide lines-2008, All the thematic maps of the study area have been prepared through using remote sensing and geographical information system(G.I.S.) technique, following the fundamental norms of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

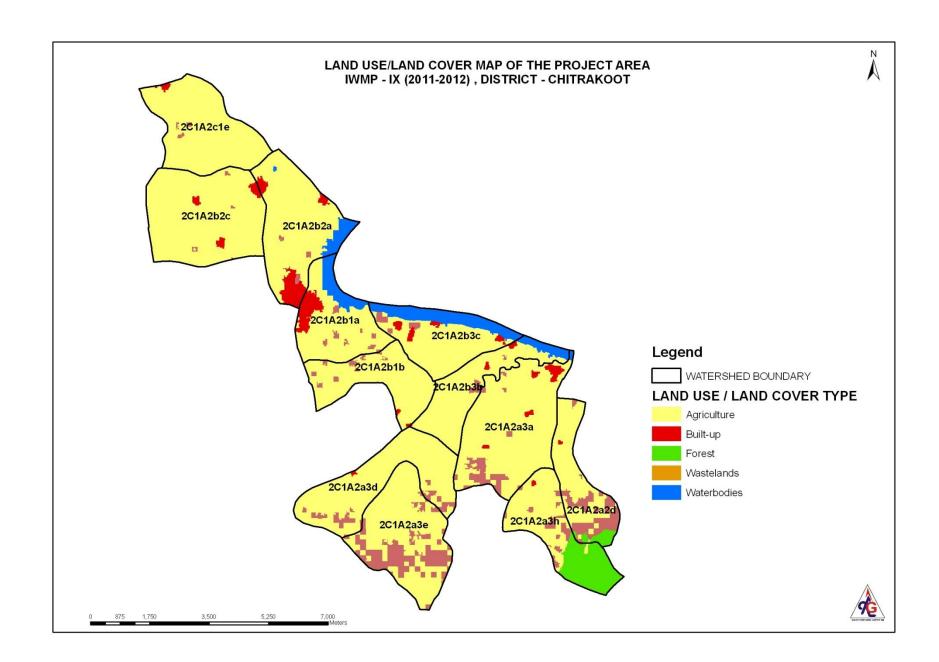
- 1. Cadastral Map
- 2. Countor Map
- 3. Drainage Map
- 4. LCC Map
- 5. Land use/ Land cover Map
- 6. Slope Map
- 7. Soil Depth Map
- 8. Soil Erosion Map
- 9. Action Plan 2C1A2a3d (Chhiolaha-I), 2C1A2a3e (Chhiolaha-II), 2C1A2c1e (Sakhaunha), 2C1A2b2c (Sikraun), 2C1A2b3c (Mankunwar-I), 2C1A2a3a (Kotra Khambha), 2C1A2a2d (Garhwa- I), 2C1A2a3h (Garhwa- II), 2C1A2b3b (Mankunwar-II), 2C1A2b2a (Mandaur), 2C1A2b1b (Sesa Subhkara- I), 2C1A2b1a (Sesa Subhkara- II)

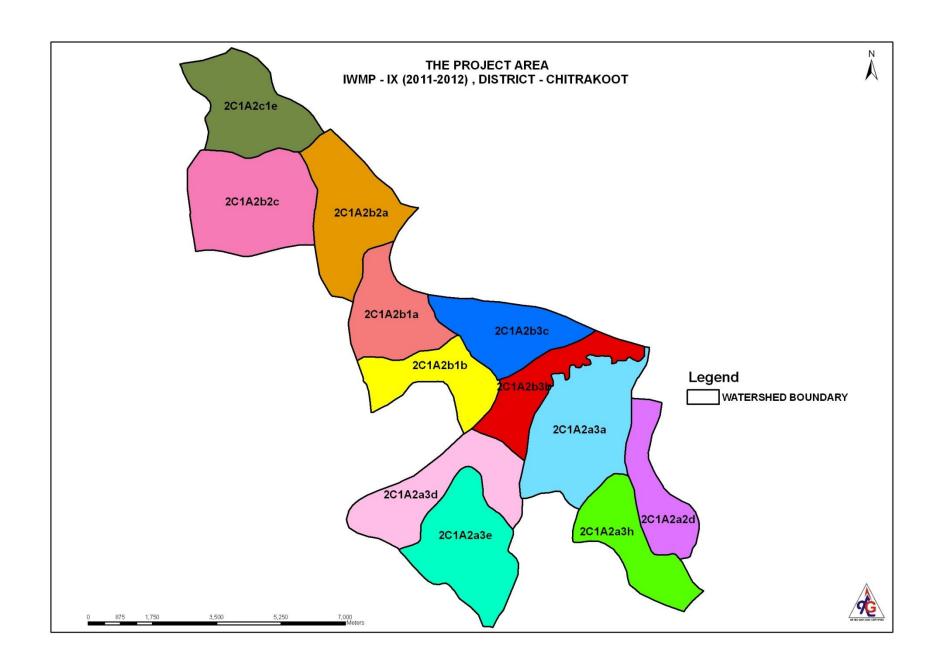
Action Plan- These maps were interpreted from the high resolution satellite dada freely available on internet.

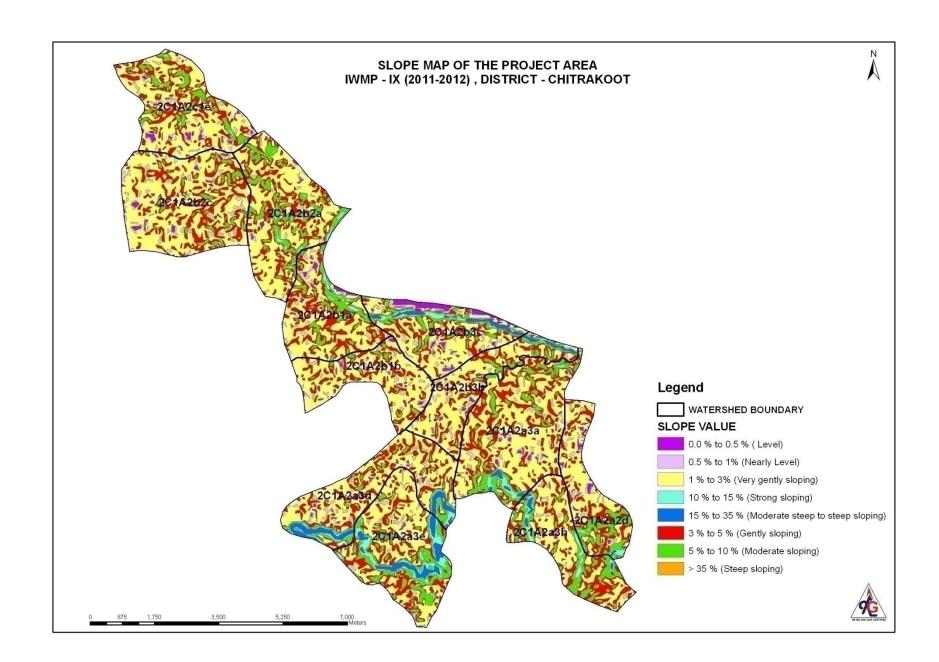


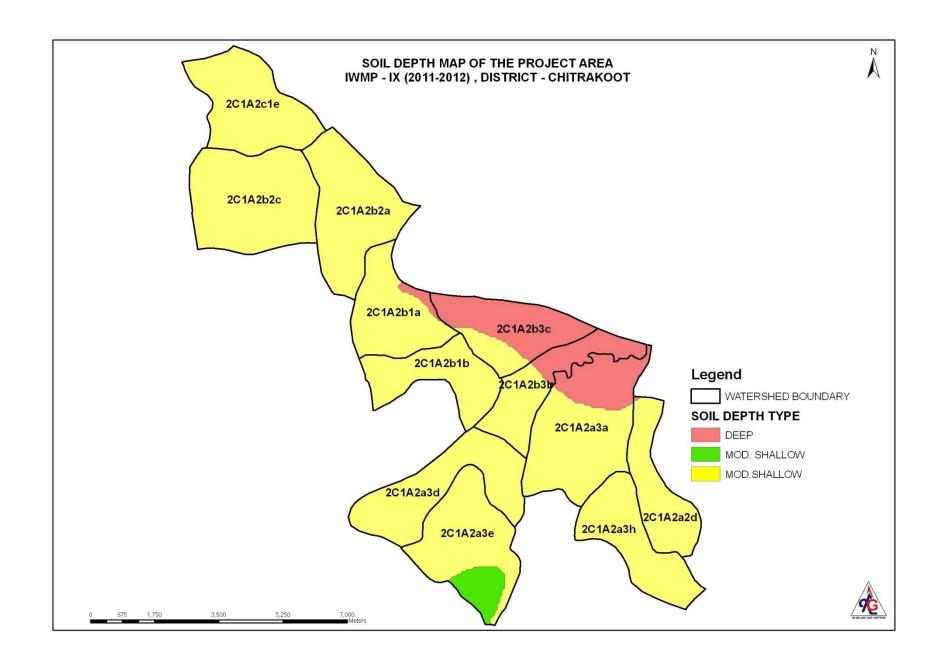


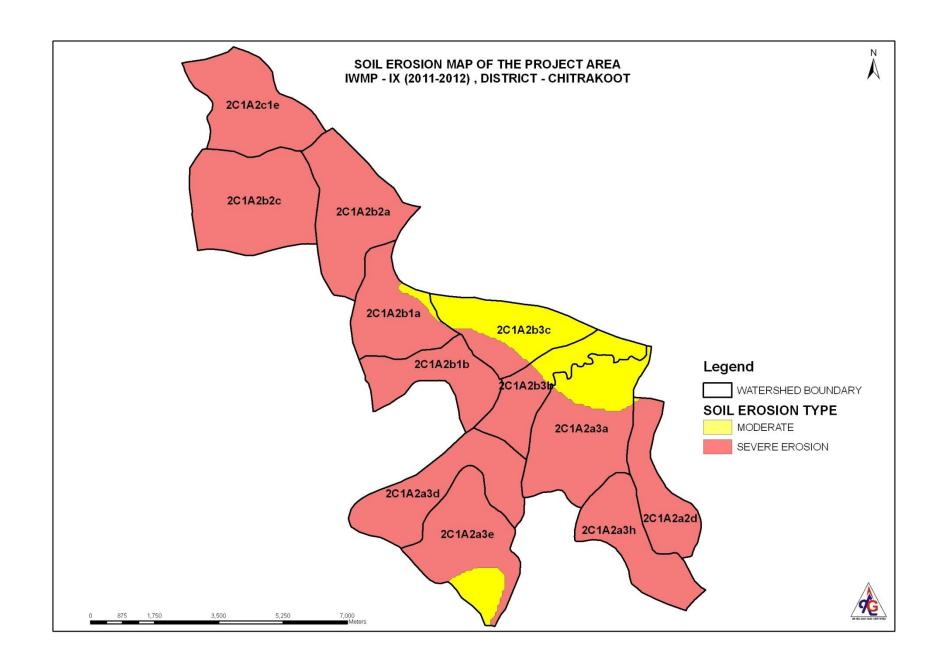


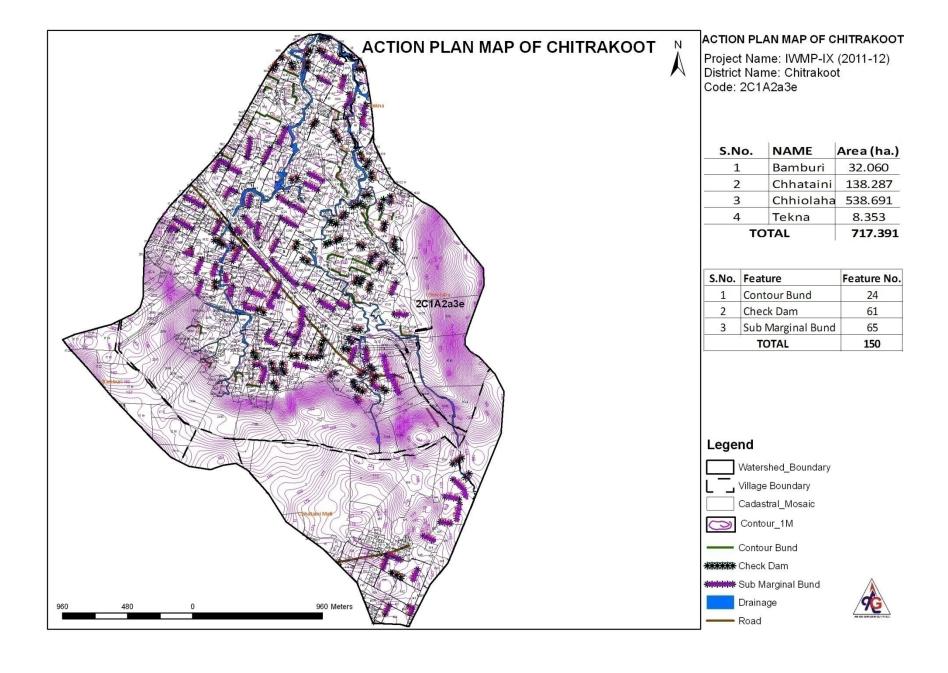


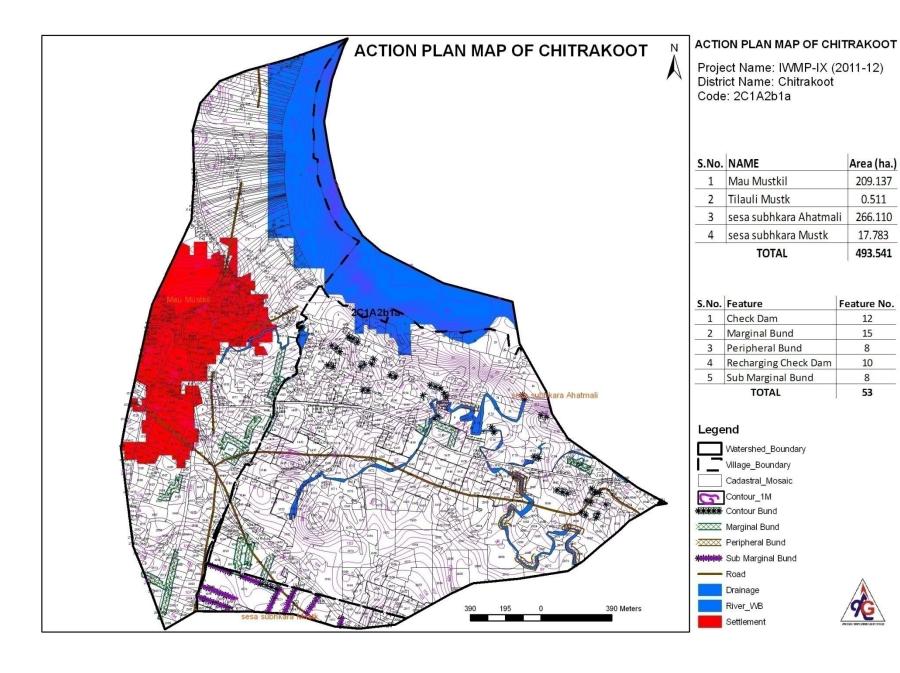












Area (ha.)

209.137

0.511

266.110

17.783

493.541

12

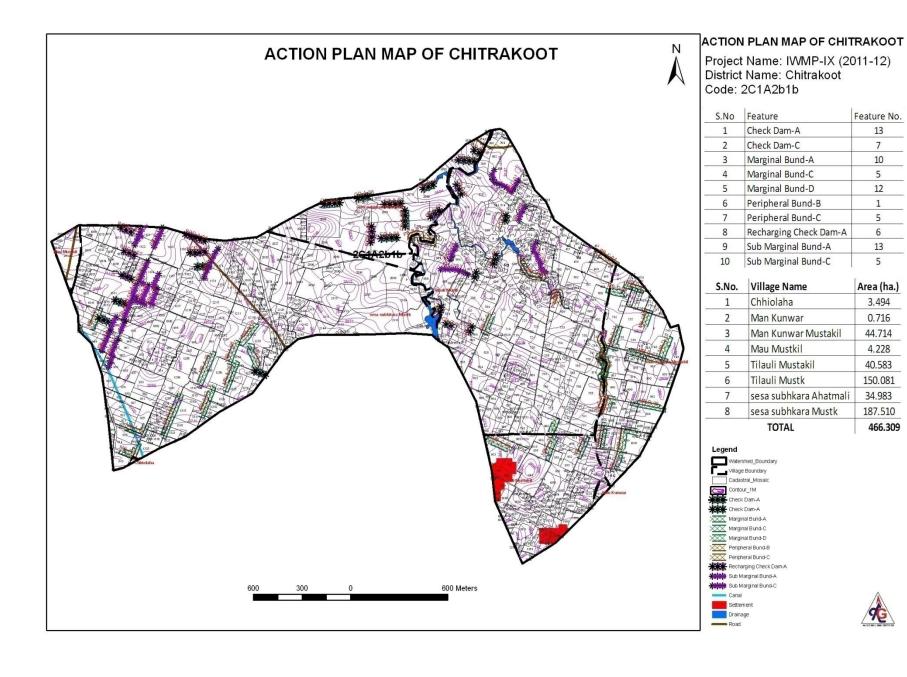
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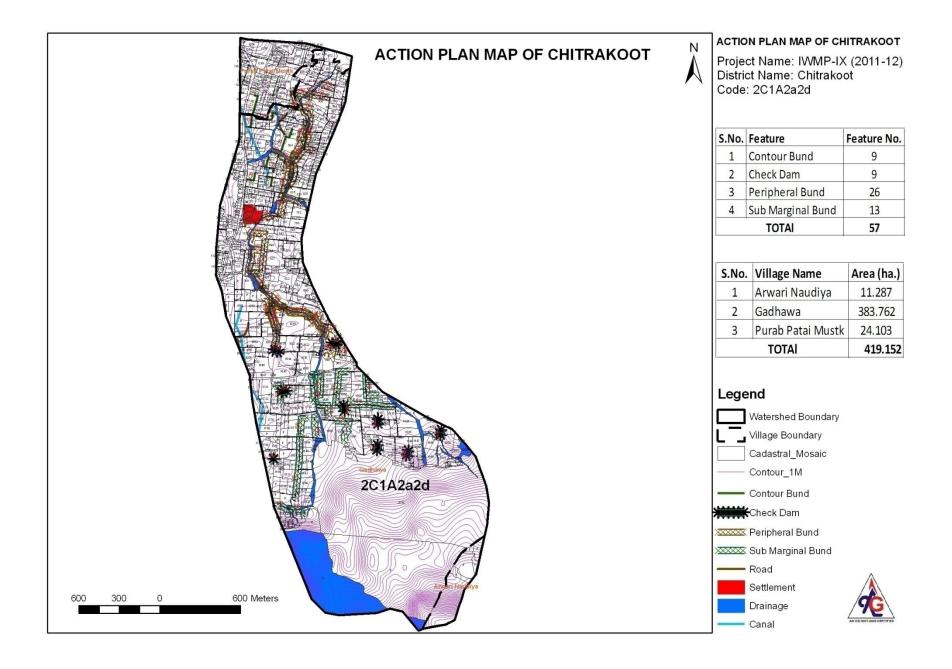
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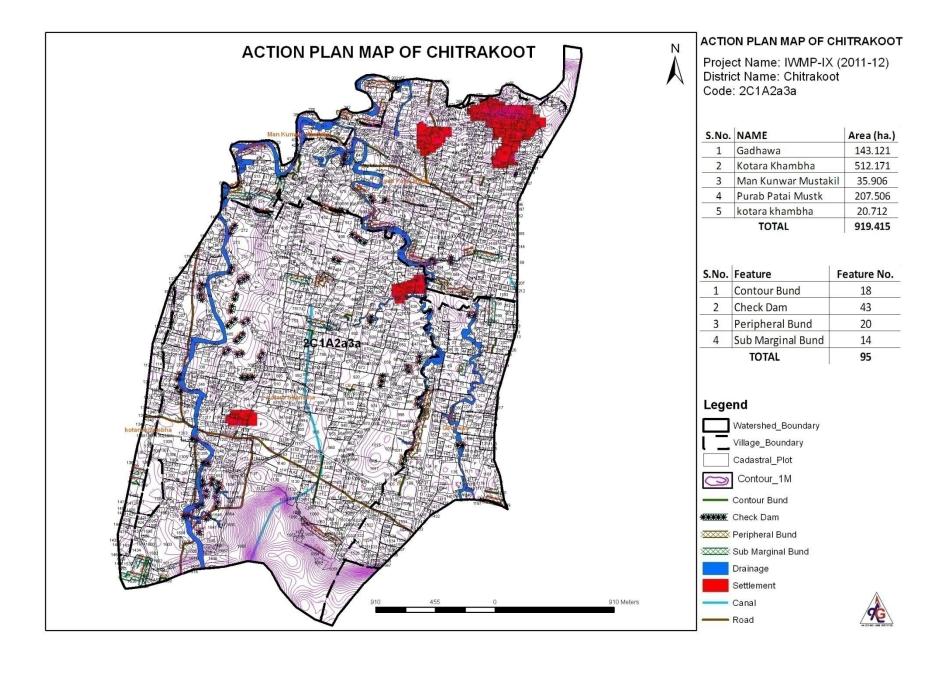
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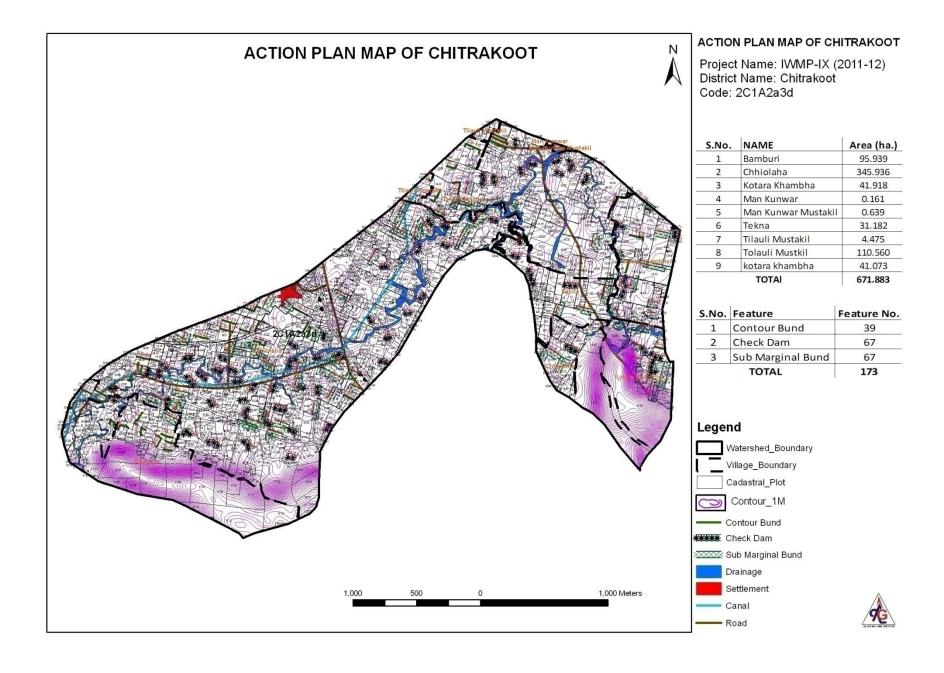
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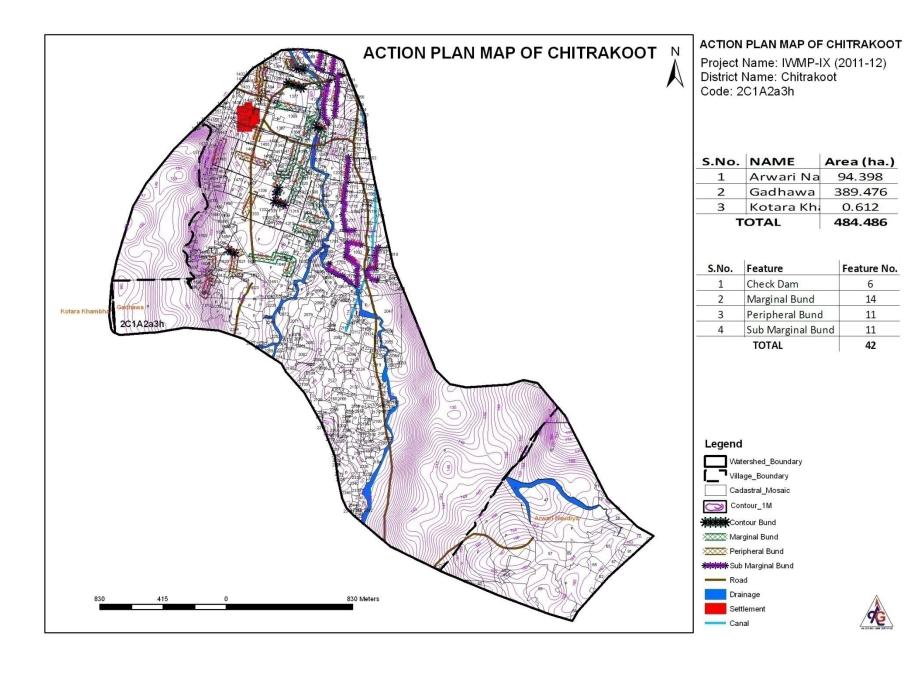
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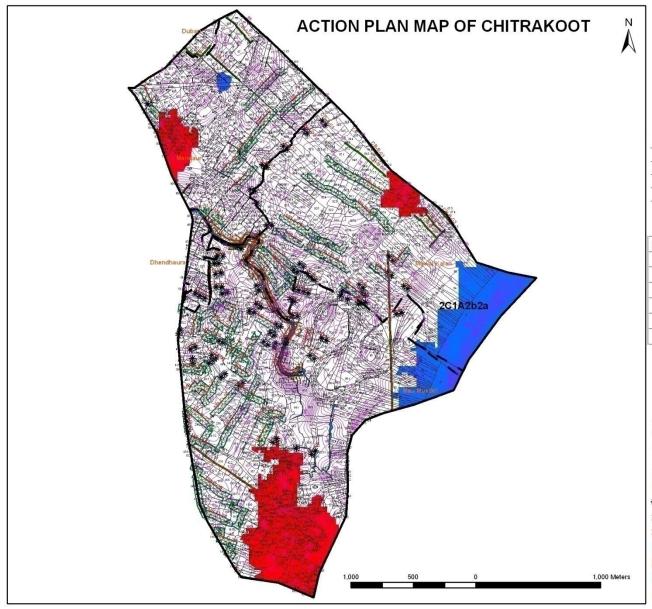












#### **ACTION PLAN MAP OF CHITRAKOOT**

Project Name: IWMP-IX (2011-12)

District Name: Chitrakoot

Code: 2C1A2b2a

S.No.	Feature	Feature No.
1	Contour Bund	9
2	Check Dam 54	
3	Marginal Bund	57
4	Peripheral Bund	23
	TOTAL	143

S.No.	Village Name	Area (ha.)
1	Dhendhaura	13.671
2	Dubari	4.539
3	Mandaur	152.098
4 Mau Mustkil		349.810
5	Mawai Kalan	225.102
	TOTAL	745.219

## Legend

Watershed\_Boundary
Village Boundary

Cadastral\_Mosaic

Contour\_1M

Contour Bund

\*Check Dam

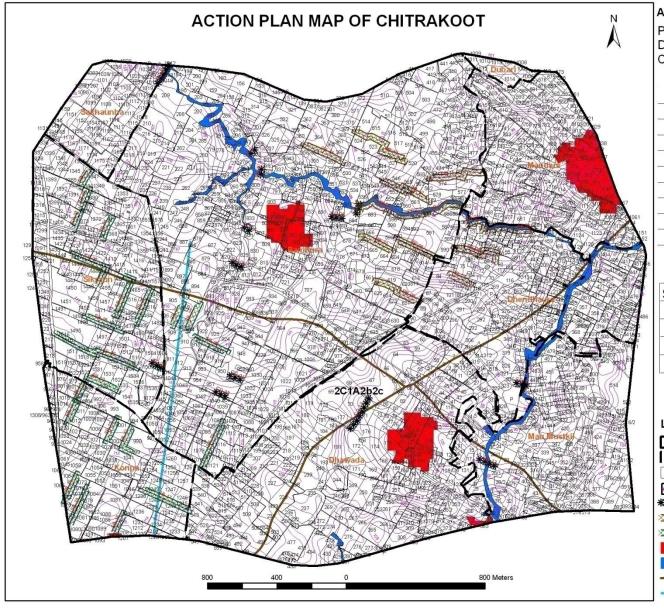
Marginal Bund

Peripheral Bund
River\_WB

Settlement
Drainage

Road





#### ACTION PLAN MAP OF CHITRAKOOT

Project Name: IWMP-IX (2011-12)

District Name: Chitrakoot

Code: 2C1A2b2c

S.No.	Village Name	Area (ha.)
1	Bambura	332.862
2	Dhawada	151.016
3	Dhendhaura	86.035
4	Dubari	3.835
5	Konpa	56.456
6	Mandaur	66.056
7	Mau Mustkil	76.228
8	Sakhaunha	26.217
9	Sikraun	90.133
	TOTAL	888.838

S.No.	Feature	Feature No
1	Check Dam	13
2	Peripheral Bund	14
3	Sub Marginal Bund	22
TOTAL		49

### Legend

Watershed\_Boundary
Village Boundary

Cadastral\_Mosaic

Contour\_1M

Check Dam

Peripheral Bund

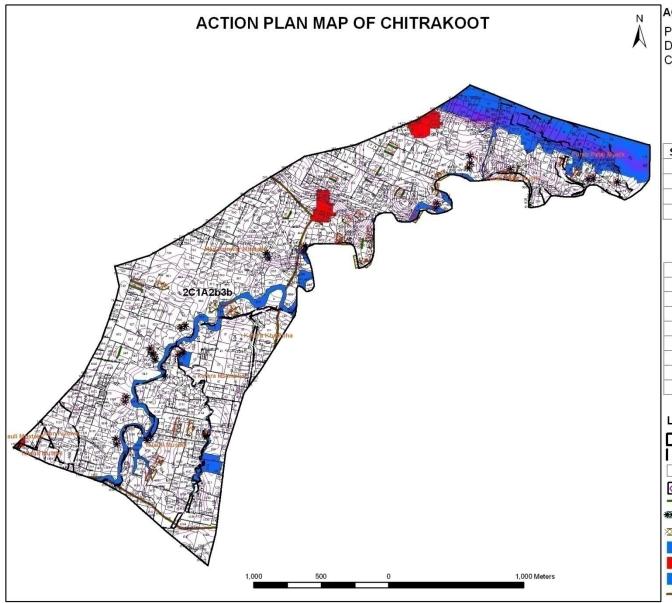
Sub Marginal Bund

Settlement

Drainage

Road
Canal





#### ACTION PLAN MAP OF CHITRAKOOT

Project Name: IWMP-IX (2011-12) District Name: Chitrakoot

Code: 2C1A2b3b

S.No	Feature	Feature No.
1	Contour Bund	13
2	Check Dam	17
3	Peripheral Bund	22
TOTAL		52

S.No.	NAME	Area (ha.)
1	Kotara Khambha	15.064
2	Man Kunwar	7.708
3	Man Kunwar Mustakil	286.778
4	Purab Patai Mustk	20.218
5	Tilauli Mustakil 1.817	
6	Tolauli Mustkil	57.012
7	kotara khambha	51.514
	TOTAL	440.111

#### Legend

Watershed\_Boundary

Village Boundary

Cadastral\_Mosaic

Contour\_1M Contour Bund

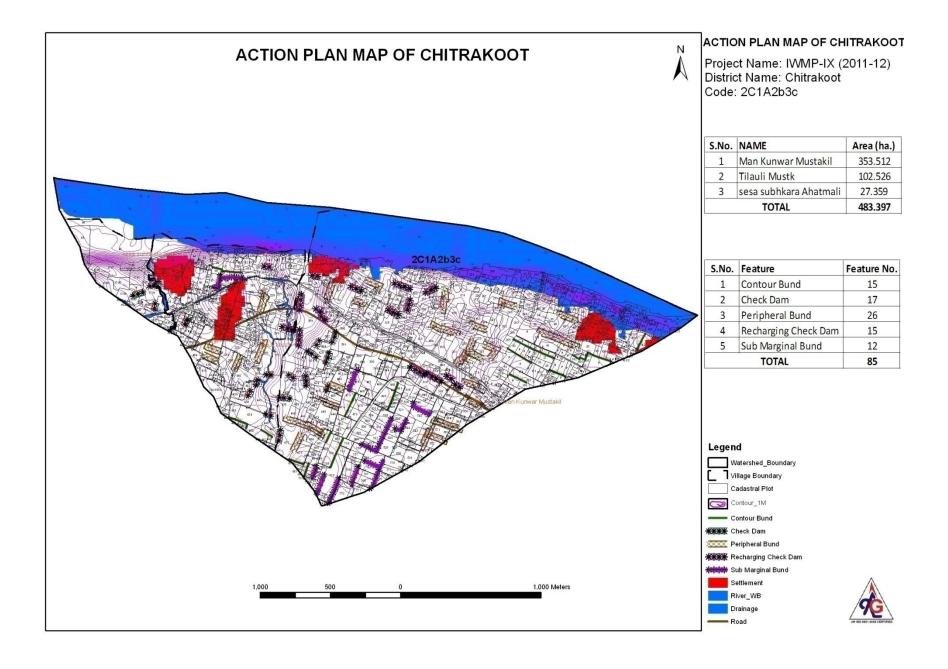
\*CHECK Dam

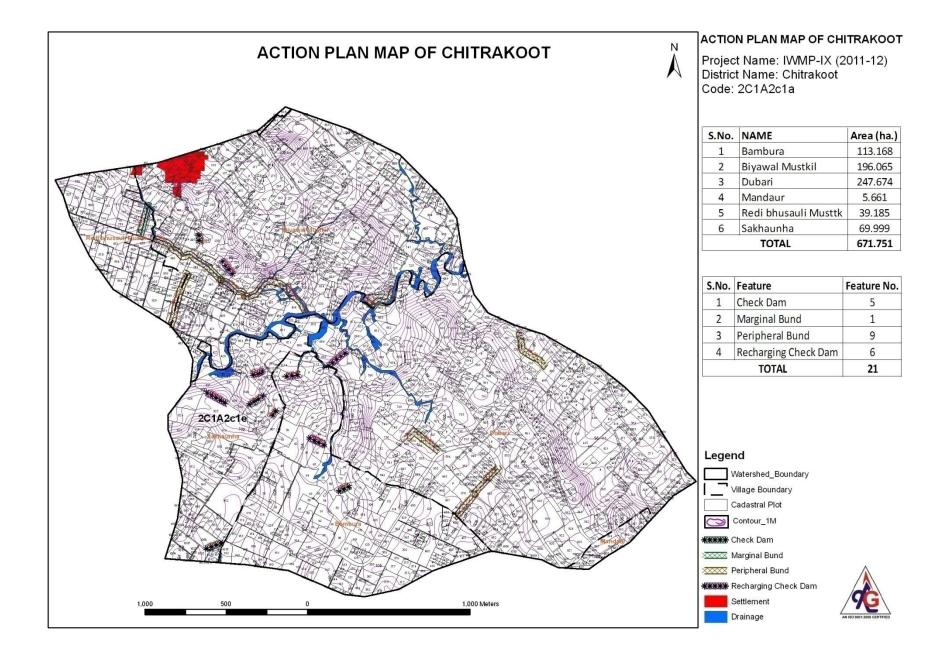
Peripheral Bund

River\_WB Settlement

> Drainage Road







# CHAPTER -12 ABBRIVIATIONS/ REFERENCES

## LIST OF ABBRIVIATIONS/REFERENCES

**AG** Department of Agriculture

**DOLR** Department of Land Resources

**IWMP** Integrated Watershed Management Programme

**SLNA** State Level Nodal Agency

**CGL** Common Guidelines

**PIA** Project Implementing Agency

**BSA** Bhoomi Sangrakshan Adhikari

**WDT** Watershed Development Team

**WC** Watershed Committee

**UC** User Group

**SHG** Self Help Group

**CB** Contour Bund

MB Marginal Bund

**PFB** Peripheral Bund

#### **REFERENCES**

- Common Guideline of watershed development-2008.
- Jila Sankhikiya Patrika
- Census 2001
- www.Chitrakoot.nic.in

## **Preparation of DPR**

Detail Project Report of Integrated Watershed Management Programme IWMP-IX 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	Shri M.S. Anjum	B. S. A.
2	Shri Prabhakar Shukla	Junior Engineer
3	Shri Munna Lal	Accountant
4	Shri R.M. Tripathi	Sr. Clerk
5	Shri Prashant Kumar	Jr. Clerk
6	Shri Sunil Kumar	Jr. Clerk
7	Shri Pacchai Pal	Draftman
8	Shri Pacchai Pal	Traser
9	Shri Har Prakash Nayak	S.C.I.
10	Shri Hari Ram Batham	S.C.I.
11	Shri Ramesh Chandra Verma	S.C.I.
12	Sri A. K. Srivastava	MD, Kalyani Geospatial, Lucknow
13	Dr. A. K. Kulshestra	Consultant, Kalyani Geospatial, Lucknow
14	Sri Sandeep Kumar Singh	Consultant (RS & GIS), Kalyani Geospatial, Lucknow
14	Sri Dipendra Kumar Sharma	Statistical Analyst, Kalyani Geospatial, Lucknow
15	Ku. Sunita	GIS Analyst, Kalyani Geospatial, Lucknow
16	Ku. Manju Lata	GIS Analyst, Kalyani Geospatial, Lucknow
17	Sri Rahul Sharma	Cad Expert, Kalyani Geospatial, Lucknow