

# CHAPTER - 1

## INTRODUCTION AND BACKGROUND

Status of watershed programme and approved plan by Steering committee, Govt. of India and status of previous Detailed Project Reports for Mahoba district, Deptt. of Agriculture, Uttar Pradesh is given in following Tables 1.1 and 1.2.

**Table 1.1: Status of watershed programme**

**District- Mahoba**

<b>Details</b>	<b>No.</b>	<b>Area ( ha.)</b>
Total Micro watersheds in the district	445	288400
Workable Micro Watersheds	61	23535
Micro Watersheds already treated (partially) by Deptt of Agriculture, Dist.- Mahoba Uttar Pradesh	384	264865
Micro Watersheds (MWS) available for treatment (begning IWMP in the district)	87	26253

**Table 1.2: Approved plan (PPRs) by Steering Committee (SC)/Govt. of India,**

**District- Mahoba**

<b>Year</b>	<b>Project</b>	<b>MWS</b>	<b>Area (Treatable) (ha)</b>	<b>Project Cost (Rs. Lakh)</b>	<b>Name of PIA</b>	<b>Date of Sanction by S.C. Govt. of India</b>
2011-12	IWMP-XVI	12	4375.00	525.00	BSA (Agri), Mahoba	26.09.2011
2011-12	IWMP-XVIII	18	5483.00	657.96	BSA (Agri), Mahoba	-do-
2011-12	IWMP-XIX	23	9617.00	781.92	BSA (Agri), Charkhari	-do-
2011-12	IWMP-XX	13	4589.00	550.68	BSA (Agri), Charkhari	-do-
2011-12	IWMP-XXIII	21	5440.90	652.90	BSA (Agri), Kulpahar	-do-
<b>Total</b>		<b>87</b>	<b>29504.90</b>	<b>3168.46</b>		

## 1.1 Project Background

Integrated Watershed Management Programme-XIX comprises twenty three micro-watersheds namely Bragpur (2C1B3d1a), Bamhauri Kala (2C1B3d1b), Kurara Dang (2C1B3d1c), Maharajpura (2C1B3d3a), Karhara Kala (2C1B3d3b), Supa (2C1B3d3c), Bagraun (2C1B3d3d), Bamrara (2C1B3d2a), Sohjana (2C1B3d2b), Itawa (2C1B3d2c), Majhol (2C1B3d2d), Nathupura (2C1B3d2f), Imaliya Dang (2C1B3d2g), Jarauli (2C1A3p2b), Anghaura (2C1A3p2c), Guda-I (2C1A3p2d), Guda-II (2C1A3p2e), Akthauonha (2C1A3p2f), Asthaun (2C1A3p2g), Asthaun (2C1A3n1a), Luhari (2C1A3w1a), Rampura Kadeem (2C1A3w1b) and Ghutwai (2C1A3n2e). Watershed project is situated in Charkhari block of district Mahoba and spread over in 38 villages of 16 gram panchayat. The total geographical area of the IWMP-XIX is 18763.66 ha. However treatable area is 6516.00 ha under Integrated Watershed Management Programme (IWMP-XIX).

**Table 1.3: Details of IWMP-XIX for which this DPR is Prepared**

Watershed project	Micro Watersheds (MWS) detail	Micro watersheds code	Treatable Area (ha)	Already treated area (ha)	Name of Watershed in which MWS is falling (River / Nala name)
IWMP-XIX	Bragpur	2C1B3d1a	191.00	564.65	Ken River
	Bamhauri kala	2C1B3d1b	291.00	420.70	Ken River
	Kurara dang	2C1B3d1c	130.00	573.60	Ken River
	Maharajpura	2C1B3d3a	370.00	438.63	Ken River
	Karhara kala	2C1B3d3b	197.00	485.06	Ken River
	Supa	2C1B3d3c	410.00	537.22	Ken River
	Bagraun	2C1B3d3d	270.00	323.03	Ken River
	Bamrara	2C1B3d2a	290.00	460.10	Ken River
	Sohjana	2C1B3d2b	256.00	293.49	Ken River
	Itawa	2C1B3d2c	200.00	400.76	Ken River
	Majhol	2C1B3d2d	204.00	211.54	Ken River
	Nathupura	2C1B3d2f	216.00	313.31	Ken River
	Imaliya dang	2C1B3d2g	390.00	247.95	Ken River
	Jarauli	2C2A3p2b	497.00	191.79	Betwa River
	Anghaura	2C2A3p2c	410.00	56.28	Betwa River
	Guda-I	2C2A3p2d	249.00	201.57	Betwa River
	Guda-II	2C2A3p2e	346.00	300.98	Betwa River
	Akthauonha	2C2A3p2f	250.00	258.18	Betwa River

	Asthaun	2C2A3p2g	441.00	502.25	Betwa River
	Asthaun	2C2A3n1a	63.00	126.48	Betwa River
	Luhari	2C2A3w1a	208.00	295.47	Betwa River
	Rampura Kadeem	2C2A3w1b	90.00	123.13	Betwa River
	Ghutwai	2C2A3n2e	547.00	195.69	Betwa River
<b>Total</b>			<b>6516.00</b>	<b>7521.86</b>	

*Source: Participatory rural appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)*

## 1.2 Need and Scope for Watershed Development

Bundelkhand region had been in a grip of severe drought continuously from 2004 to 2007. In the region, more than 85 per cent of open wells were dried up due to deficit rainfall during drought. Cattle were abandoned due to shortage of water and fodder. Most part of the region was dependent on drinking water supply through tanker. Therefore, management of natural resources on watershed basis is urgent need of the region. Watershed project was selected with following long term objectives:

- To optimize productivity of the land
- To restore ecological balance in degraded and fragile eco-system
- To narrow down the disparity between rainfed and irrigated areas
- To create sustained employment opportunities

## 1.3 Weightage for selection of Watershed

Watershed project was selected on the basis of criteria mentioned in Table 1.4. Weights were assigned for each criteria/ parameter during site visit of micro-watershed by PIA and overall weightage was estimated for the project. The seventeen criteria were taken with total of 205 weightage points. The criterion taken are availability of drinking water, irrigation water availability, degree of soil erosion, water holding capacity, area under rainfed agriculture, status of field bund/contour bund / graded bund, presence of hard rock below the land, options for livelihood, percentage of small and marginal farmers, degraded land, ground water status, status of technical knowledge for improved farming systems, weather conditions, poverty index, virginity of land, productivity potential of land and soil organic carbon status. The weightage for project is about 86.59 per cent (Table 1.5).

**Table 1.4: Criteria and weightage for selection of watershed**

S. No.	Criteria	Maximum Score	Range & Score			
			Very poor	Poor	Good	Very Good
1	Drinking water	15	Dependence on water supply through tanker (15)	Partial availability within the periphery of 3-4 km (10)	Round the year availability within the periphery of 3-4 km (5)	Round the year availability in watershed (0)
2	Irrigation	10	No irrigation (10)	Life saving irrigation (7.5)	Partial life saving irrigation (5)	Fully covered (0)
3	Degree of soil erosion	10	Severe (10)	Medium (7.5)	Low (5)	No erosion (0)
4	Water holding capacity	10	Very poor (10)	Poor (7.5)	Good (5)	Very Good (0)
5	Area under rainfed agriculture	15	More than 90% (15)	80 to 90 % (10)	70 to 80 % (5)	Below 70% (Reject) (0)
6	Status of field bund/contour bund / graded bund	10	Below 20 % (10)	50 to 20 % (7.5)	80 to 50 (5)	Above 80% (2.5)
7	Presence of hard rock below the land	15	Hard rock starts from 5 to 20 feet (15)	Hard rock starts from 21 to 50 feet (10)	Hard rock starts from 51 to 100 feet (5)	Deep soil depth (0)
8	Options for livelihood	10	Very poor (10)	Poor (7.5)	Good (5)	Very Good (0)
9	% of small and marginal farmers	10	More than 80% (10)	50 to 80 % (5)	Less than 50% (3)	
10	Degraded land	15	High above 50% (15)	Medium 25 to 50% (10)	Low less than 10 – 25 % (5)	Very low Less than 10% (0)
11	Ground water status	10	Very poor (10)	Poor (7.5)	Good (5)	Very Good (0)

12	Status of Technical Knowledge for improved farming systems	10	Very poor (10)	Poor (7.5)	Good (5)	Very Good (0)
13	Weather condition	15	Uncertain weather condition / Continuous drought for three years (15)	Drought comes one in five years (10)	Drought comes one in ten years (5)	Normal weather condition (0)
14	Poverty index (% of poor population)	10	Above 80% (10)	80 to 50 (7.5)	50 to 20 % (5)	Below 20 % (2.5)
15	Virginity (No treatment /intervention in last five years)	10	Above 80% (10)	80 to 50 (7.5)	50 to 20 % (5)	Below 20 % (2.5)
16	Productivity potential of land	15	Lands with low production & where productivity can be significantly enhanced with reasonable efforts (15)	Lands with moderate production & where productivity can be enhanced with reasonable efforts (10)	Lands with high production & where productivity can be marginally enhanced with reasonable efforts (5)	-
17	Organic carbon status	15	Very low (15)	Low (10)	Medium (5)	Normal (0)

**Table 1.5: Weightage of the project**

S. No.	Criteria	Weightage points
1	Drinking water	10
2	Irrigation	10
3	Degree of soil erosion	10
4	Water holding capacity	10
5	Area under rainfed agriculture	10
6	Status of field bund/contour bund / graded bund	10
7	Presence of hard rock below the land	10
8	Options for livelihood	10
9	% of small and marginal farmers	10
10	Degraded land	15
11	Ground water status	10
12	Status of Technical Knowledge for improved farming systems	7.5
13	Weather condition	10
14	Poverty index (% of poor population)	10
15	Virginity	10
16	Productivity potential of land	10
17	Organic carbon status	15
	<b>Total Weightage (Out of total 205)</b>	<b>177.5</b>
	<b>Weightage Percentage</b>	<b>86.59</b>

Source: Participatory rural appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

#### 1.4 Details of Ongoing Watershed Programme

Presently, no watershed development programme is going on in the micro-watershed.

## CHAPTER - 2

### GENERAL DESCRIPTION OF PROJECT AREA

#### 2.1 Location:

The micro-watersheds of IWMP-XIX are located in Charkhari block of Mahoba district. It is about 35 km. from Mahoba on Mahoba to Charkhari road. Villages and its geographical area for each micro-watershed are depicted in Table 2.1. Total area of the project is 18763.66 ha, out of which 6516.00 ha is treatable. The geographical area of micro-watershed varied in the range of 532.74 to 1214.39 ha.

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

Sl. No.	Name of micro watershed with Code	Names of villages	Longitude	Latitude	Name of Block	Area of village included in MWS(Geographical)	Details of important /approach road with distance km
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijpur	79° 51' 0.0"- 79° 54' 0.0"	25° 25' 0.0"- 25° 27' 30.0"	Charkhari	968.79	Mahoba to Charkhari road
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhaurikala	79° 49' 0.0"- 79° 51' 30.0"	25° 23' 30.0"- 25° 25' 0.0"	Charkhari	912.44	-do-
3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol	79° 47' 0.0"- 79° 55' 0.0"	25° 22' 30.0"- 25° 24' 0.0"	Charkhari	902.05	-do-
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura, Chikharam Imaliya	79° 49' 30.0"- 79° 53' 0.0"	25° 22' 0.0"- 25° 25' 0.0"	Charkhari	1036.71	-do-
5	Karhara kala (2C1B3d3b)	Dayalpura, Milten Gang, Karhara kala,	79° 47' 30.0"- 79° 55' 0.0"	25° 21' 0.0"- 25° 23' 0.0"	Charkhari	874.43	-do-

		Bagren					
6	Supa (2C1B3d3c)	Milten gang, Jordan Gang, Supa	79° 45' 30.0"- 79° 48' 0.0"	25° 20' 0.0"- 25° 22' 30.0"	Charkhari	1214.39	-do-
7	Bagraun (2C1B3d3d)	Bagraun, Chikhara, Nathupura	79° 48' 30.0"- 79° 51' 0.0"	25° 20' 30.0"- 25° 23' 0.0"	Charkhari	760.30	-do-
8	Bamrara (2C1B3d2a)	Bamhauri kala, Bamrara, Imaliya	79° 49' 30.0"- 79° 52' 0.0"	25° 25' 30.0"- 25° 27' 30.0"	Charkhari	961.67	-do-
9	Sohjana (2C1B3d2b)	Bamrara, Sohjana	79° 47' 30.0"- 79° 01' 30.0"	25° 25' 30.0"- 25° 27' 0.0"	Charkhari	704.47	-do-
10	Itawa (2C1B3d2c)	Itawa, Berikhera, Sohjana, Nathupura	79° 46' 0.0"- 79° 48' 30.0"	25° 24' 0.0"- 25° 26' 0.0"	Charkhari	770.20	-do-
11	Majhol (2C1B3d2d)	Itawa, Nathupura, Majhol	79° 45' 0.0"- 79° 47' 30.0"	25° 23' 0.0"- 25° 25' 0.0"	Charkhari	532.74	-do-
12	Nathupura (2C1B3d2f)	Nathupura, Majhol, Kurara dang	79° 46' 0.0"- 79° 48' 30.0"	25° 22' 30.0"- 25° 24' 30.0"	Charkhari	678.61	-do-
13	Imaliya dang (2C1B3d2g)	Roshanpura, Imaliya, Nathupura, Bamrara, Sohjana	79° 48' 0.0"- 79° 50' 30.0"	25° 24' 0.0"- 25° 26' 30.0"	Charkhari	817.89	-do-
14	Jarauli 2C1A3p2b	Jarauli, Andhaura, Tisauni	79° 39'0" E – 79° 42'0" E	25° 29'0" N – 25° 31'30" N	Charkhari	883.06	-do-
15	Anghaura 2C1A3p2c	Pratistha, Andhaura,	79° 39'30" E – 79° 41'30" E	25° 27'30" N – 25° 29'30" N	Charkhari	597.79	-do-

		Ragaul					
16	Guda-I 2C1A3p2d	Guda, Lhipuri	79° 40'0" E – 79° 42'0" E	25° 26'0" N – 25° 28'30" N	Charkhari	577.66	-do-
17	Guda-II 2C1A3p2e	Guda, Lhipuri	79° 40'0" E – 79° 42'30" E	25° 25'30" N- 25° 27'30" N	Charkhari	829.46	-do-
18	Akthauonha 2C1A3p2f	Akthauha, Guda	79° 39'30" E – 79° 42'30" E	25° 24'30" N – 25° 26'30" N	Charkhari	651.51	-do-
19	Asthaun 2C1A3p2g	Akthauha, Rainpur, Asthaun, Charkhari	79° 31'30" E –79° 44'0" E	25° 23'0" N – 25° 25'30" N	Charkhari	1209.30	-do-
20	Asthaun 2C2A3n1a	Asthaun, Akthauha, Chedimau	79° 39'30" E – 79° 42'0" E	25° 23'0" N – 25° 25'30" N	Charkhari	699.56	-do-
21	Luhari 2C1A3w1a	Luhari, Akthauha, Chedimau	79° 39'0" E – 79° 41'0" E	25° 23'0" N – 25° 26'0" N	Charkhari	645.47	-do-
22	Rampura Kadeem 2C1A3w1b	Chhedimau, Rampura Kadeem	79° 38'30" E – 79° 40'0" E	25° 22'0" N – 25° 24'30" N	Charkhari	578.21	-do-
23	Ghutwai 2C1A3n2e	Rainpur, Akthauha, Udayapura, Lhipuri, Ghutwai	79° 42'0" E – 79° 44'30" E	25° 24'30" N – 25° 27'30" N	Charkhari	956.95	-do-
	<b>Total</b>					<b>18763.66</b>	

Source: Participatory rural appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

### LOCATION MAP

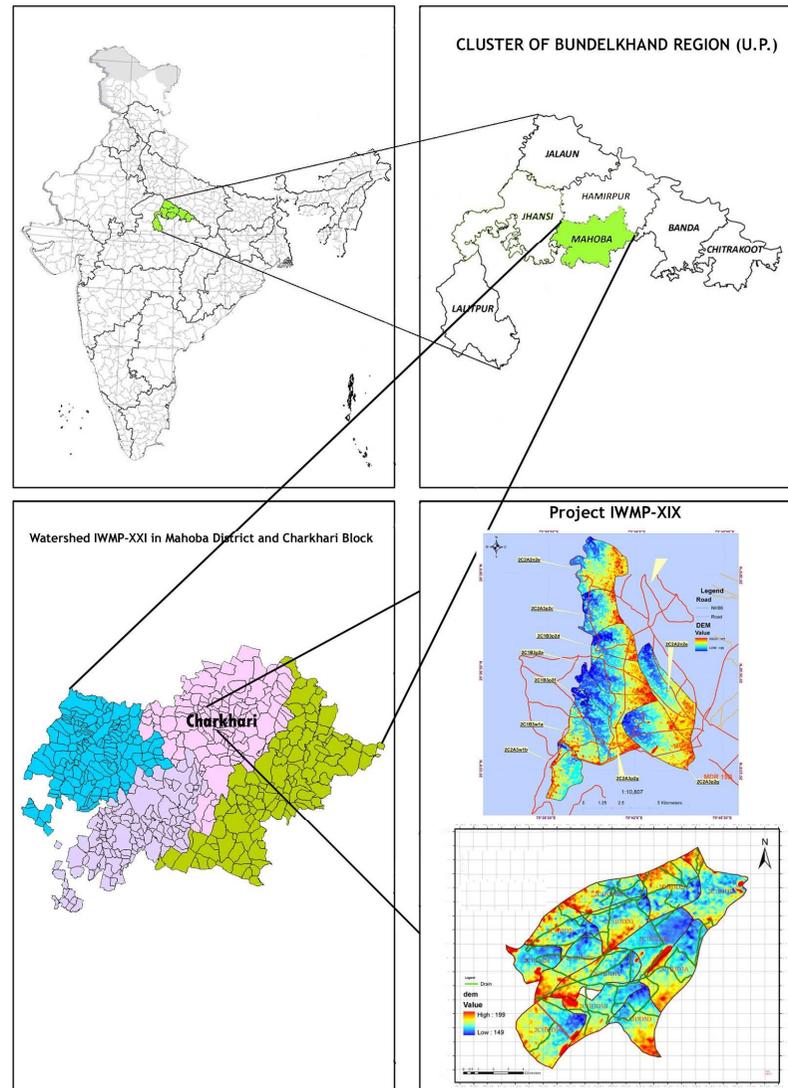


Fig 1: Location map of the Project

**2.2 Area and Landuse:** Each micro-watershed covers partially or fully lands of many village. Details of various categories of land were estimated on the basis of villages, MWS area, PRA meetings and other source such as village meetings. Village wise detailed information on type of land is depicted in Table 2.2. The total culturable land of the project is 14037.88 ha, out of which 2273.45 (16.19%) ha land is under life saving irrigation mainly by means of open shallow dug wells. The cultivable rainfed, temporary and permanent wastelands are about 76.63, 5.45 and 1.73 per cent, respectively, of culturable land of the project.

**Table 2.2: Details of land resources in IWMP-XIX of Mahoba district**

Sl. No.	Name of MWS with code	Name of Village	Cultivated rainfed area	Cultivated irrigated area	Uncultivated wasteland/fallow		Submerged area	Pvt. Agri. Land				Forest Land	Community land	Others (Habitat, Road, Etc.)	Total area (ha) (Geographical)
					Temp .	Permanent		Gen	SC	OBC	Total				
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijpur	578.08	120.90	41.56	15.11	0.00	166.24	128.46	460.95	755.66	0.00	92.04	121.10	968.79
2	Bamhaulika (2C1B3d1b)	Imaliya, Bamhaurikala	544.45	113.87	39.14	14.23	0.00	156.57	120.99	434.14	711.70	0.00	86.68	114.06	912.44
3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol	538.25	112.58	38.70	14.07	0.00	154.79	119.61	429.20	703.60	0.00	85.69	112.76	902.05
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura, Chikharam Imaliya	618.60	129.38	44.47	16.17	0.00	177.90	137.47	493.27	808.63	0.00	98.49	129.59	1036.71
5	Karhara kala (2C1B3d3)	Dayalpura, Milten Gang,	521.77	109.13	37.51	13.64	0.00	150.05	115.95	416.05	682.06	0.00	83.07	109.30	874.43

	b)	Karhara kala, Bagren													
6	Supa (2C1B3d3 c)	Miltan gang, Jordan Gang, Supa	724.63	151.56	52.10	18.94	0.00	208.39	161.03	577.81	947.22	0.00	115.37	151.80	1214.39
7	Bagraun (2C1B3d3 d)	Bagraun, Chikhara, Nathupura	453.67	94.89	32.62	11.86	0.00	130.47	100.82	361.75	593.03	0.00	72.23	95.04	760.30
8	Bamrara (2C1B3d2 a)	Bamhauri kala, Bamrara, Imaliya	573.83	120.02	41.26	15.00	0.00	165.02	127.52	457.56	750.10	0.00	91.36	120.21	961.67
9	Sohjana (2C1B3d2 b)	Bamrara, Sohjana	420.36	87.92	30.22	10.99	0.00	120.89	93.41	335.19	549.49	0.00	66.92	88.06	704.47
10	Itawa (2C1B3d2 c)	Itawa, Berikhera, Sohjana, Nathupura	459.58	96.12	33.04	12.02	0.00	132.17	102.13	366.46	600.76	0.00	73.17	96.27	770.20
11	Majhol (2C1B3d2 d)	Itawa, Nathupura, Majhol	317.89	66.49	22.85	8.31	0.00	91.42	70.64	253.48	415.54	0.00	50.61	66.59	532.74
12	Nathupura (2C1B3d2 f)	Nathupura, Majhol, Kurara dang	404.93	84.69	29.11	10.59	0.00	116.45	89.98	322.88	529.32	0.00	64.47	84.83	678.61
13	Imaliya dang (2C1B3d2 g)	Roshanpura, Imaliya, Nathupura, Bamrara, Sohjana	488.03	102.07	35.09	12.76	0.00	140.35	108.45	389.15	637.95	0.00	77.70	102.24	817.89
14	Jarauli 2C1A3p2 b	Jarauli, Andhaua, Tisauni	530.37	113.65	36.16	8.61	0.00	120.54	127.43	440.82	688.79	0.00	61.81	132.46	883.06

15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul	359.03	76.94	24.48	5.83	0.00	81.60	86.26	298.42	466.28	0.00	41.85	89.67	597.79
16	Guda-I 2C1A3p2 d	Guda, Lhipuri	346.94	74.34	23.66	5.63	0.00	78.85	83.36	288.37	450.57	0.00	40.44	86.65	577.66
17	Guda-II 2C1A3p2e	Guda, Lhipuri	498.17	106.75	33.97	8.09	0.00	113.22	119.69	414.07	646.98	0.00	58.06	124.42	829.46
18	Akthauon ha 2C1A3p2f	Akthauha Guda	391.30	83.85	26.68	6.35	0.00	88.93	94.01	325.23	508.18	0.00	45.61	97.73	651.51
19	Asthaun 2C1A3p2 g	Akthauha,R ainpur, AsthaunCha rkhari	726.31	155.64	49.52	11.79	0.00	165.07	174.50	603.68	943.25	0.00	84.65	181.40	1209.30
20	Asthaun 2C2A3n1a	Asthaun, AkthauhaCh edimu	145.90	31.26	9.95	2.37	398.15	33.16	35.05	121.27	189.48	0.00	48.97	62.96	699.56
21	Luhari 2C1A3w1 a	Luhari, Akthauha Chedimu	387.67	83.07	26.43	6.29	0.00	88.11	93.14	322.22	503.47	0.00	45.18	96.82	645.47
22	Rampura Kadeem 2C1A3w1 b	Chhedimau, Rampura,Ka deem	164.11	35.17	11.19	2.66	272.57	37.30	39.43	136.40	213.13	0.00	40.47	52.04	578.21
23	Ghutwai 2C1A3n2e	Rainpur,Akt hauhaUdaya pura, Lhipuri, Ghutwai	563.55	123.16	44.79	11.20	0.00	118.83	141.11	482.75	742.69	0.00	57.42	156.84	956.95
	<b>Grand Total</b>		<b>10757.41</b>	<b>2273.45</b>	<b>764.49</b>	<b>242.51</b>	<b>670.72</b>	<b>2836.31</b>	<b>2470.44</b>	<b>8731.12</b>	<b>14037.87</b>	<b>0.00</b>	<b>1582.26</b>	<b>2472.83</b>	<b>18763.66</b>

Source: Participatory rural appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

### 2.3 Physiography

The micro-watersheds of IWMP-XIX is situated at an elevation of some 134 to 256 m above mean sea level and has relief from 25 to 118 m. General topography of the watershed is mild to gentle.

Name of MWS	Minimum (m)	Maximum (m)	Relief (m)
Bragpur (2C1B3d1a)	134	194	60
Bamhauri kala (2C1B3d1b)	138	256	118
Kurara dang (2C1B3d1c)	149	199	50
Maharajpura (2C1B3d3a)	139	164	25
Karhara kala (2C1B3d3b)	145	177	32
Supa (2C1B3d3c)	149	177	28
Bagraun (2C1B3d3d)	155	232	77
Bamrara (2C1B3d2a)	149	211	62
Sohjana (2C1B3d2b)	143	185	42
Itawa (2C1B3d2c)	134	216	82
Majhol (2C1B3d2d)	150	219	69
Nathupura (2C1B3d2f)	162	241	79
Imaliya dang (2C1B3d2g)	154	191	37
Jarauli 2C1A3p2b	138	173	35
Anghaura 2C1A3p2c	146	177	31
Guda-I 2C1A3p2d	149	177	28
Guda-II 2C1A3p2e	150	188	38
Akthauonha 2C1A3p2f	150	187	37
Asthaun 2C1A3p2g	162	226	64
Asthaun 2C2A3n1a	150	182	32
Luhari 2C1A3w1a	150	177	27
Rampura Kadeem 2C1A3w1b	157	222	65
Ghutwai 2C1A3n2e	162	204	42

Source: Aster 30m DEM

**Slope:** Spatial distribution of different slope classes was prepared using Arc GIS. Slope was divided into five classes' viz. 0-0.5, 0.5-1.0, 1-3, 3-5, and more than 5 per cent. The dominant slope category in the project were 1-3 per cent (62%) followed by 3-5 per cent (19%).

## 2.4 Climate

The annual rainfall of the Mahoba district varies from 454 to 1009.10 mm, about 92% of which is received during South-West monsoon starting from June, July and August. The total rainy days/year vary from 35-50 in the district with an average of 38. The distribution of rainfall is very erratic. Low rainfall and drought are common features. Long dry spells during rainy season are also experienced often, which adversely affect the crops. The climate of Mahoba is characterized by a hot dry summer and cold winter and is marked for high variability of rainfall year to year. There are primarily four seasons: – Dry Summer season – from March to May i.e. before advent of monsoon, moist summer season – from June to September (Monsoon) transition period - in October and November, which is the post monsoon period, and winter season – from December to February The coldest months in the year are December and January. Average monthly rainfall and temperature is presented in Table 2.3.

**Table 2.3: Average monthly rainfall and Temperature at IWMP-XIX, Mahoba, Mahoba, U.P.**

Month	Average Annual Rainfall (mm)					Average Temperature °c	
	2006	2007	2008	2009	2010	Max.	Min.
January	0	0	0	2.8	2.2	16.8	4.5
February	0	57.8	0	1.8	22.1	24.2	12.6
March	10.7	7.1	0	2.0	0	31.8	21.6
April	0	0	0	5.2	0	37.4	29.7
May	13.2	0.7	2.2	31.2	0.5	44.4	34.2
June	43.3	56.9	219.5	10.7	14.2	46.2	35.1
July	228.2	115.2	431.0	179.4	148.8	47.4	33.6
August	87.5	155.8	229.3	204.4	166.9	42.3	30.7
September	55.7	60.4	109.9	135.1	139.0	37.4	20.20
October	7.3	1.1	5.8	86.4	25.0	34.7	28.5
November	8.1	0	11.4	17.2	20.7	31.4	18.8
December	0	3.3	0	6.8	0.5	24.4	10.3
<b>Total</b>	<b>454.00</b>	<b>458.30</b>	<b>1009.1</b>	<b>683.0</b>	<b>539.9</b>		

Source: <http://www.imd.gov.in/section/hydro/distrainfall/webrain/up>

The open pan evaporation varied in the range of 0.5 to 23 mm/day during the year with average of about 5 mm/day. Average relative humidity varied in the range of 25 to 98 per cent, however the range of wind speed is 0.9 to 16 kmph. The details of flood and drought in the project area are showed in Table 2.5.

**Table 2.5: Details of flood and drought in the project area (IWMP-XIX, Mahoba)Project IWMP- XIX**

Name of Micro Watershed	Particulars	Villages	Periodicity		Not affected
			Annual	Any other (please specify)	
Bragpur, Bamhauri kala, Kurara dang, Maharajpura, Karhara kala, Supa, Bagraun, Bamrara, Sohjana, Itawa, Majhol, Nathupura, Imaliya dang, Jarauli, Anghaura, Guda-I, Guda-II, Akthauonha, Asthaun, Asthaun, Luhari, Rampura Kadeem, Ghutwai	Flood	No. of villages:38	NA	NA	NA
		Name(s) of villages	NA	NA	NA
	Drought	<b>No. of villages- 38</b> <b>Name of Village:</b> Bamhauri kala, Siyor, Brijpur, Nathupura, Imaliya, Kurara Dang, Gopalpura, Maharajpura, Chikharam, Dayalpura, Milten Gang, Karhara kala, Jordan Gang, Supa, Bagraun, Itawa, Berikhera, Sohjana, Majhol, Roshanpura, Bamrara, Jarauli, Andhauara, Tisauni, Pratistha, Ragaul, Guda, Lhipuri, Akthauha, Rainpur, Asthaun,Charkhari, Asthaun, Chedimu, Luhari, Rampura kadeem, Udayapura and Ghutwai	<b>twice in 5 years</b> however, the region experienced severe drought during 2004-2007 and 2009 & 2010 were deficit by about 17 to 20 per cent		

Source: Participatory rural appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

## CHAPTER – 3

### BASELINE SURVEY AND PARTICIPATORY RURAL APPRAISAL

Participatory rural appraisal (PRA) is a tool to appraise the socio-economic conditions along with all kind of resources available in the watershed through the active participation of the villagers. There are several tools and techniques of PRA. The PRA including house hold survey of Bragpur, Bamhauri kala, Kurara dang, Maharajpura, Karhara kala, Supa, Bagraun, Bamrara, Sohjana, Itawa, Majhol, Nathupura, Imaliya dang, Jarauli, Anghaura, Guda-I, Guda-II, Akthauonha, Asthaun, Asthaun, Luhari, Rampura Kadeem and Ghutwai micro-watershed was conducted by PIA and described in the subsequent sections.

#### 3.1. Social-Economic Analysis

About 19 per cent of the population is scheduled caste. Population details of the IWMP-XIX are given in Table 3.1. In general 8.0 per cent population migrate from the project area due to drought and earn livelihood, however, migration was more than 50 per cent during 2007-08 due to continuous drought from 2004 to 2007 in the region. Majority of population migrate to New Delhi, Haryana and Punjab during drought year. The scenario of migration, infrastructure and common properties resources available in the project was analyzed through house hold survey and is presented in Table 3.2, 3.3 and 3.4, respectively.

**Table 3.1: Demographic Features in the project area (IWMP-XIX, Mahoba)**

Sr. No.	Name of Micro Watershed	Name of village	Total Population			Population of SC/ST		
			Total	Male	Female	Total	Male	Female
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijpur	1875	975	900	356	185	171
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhaurikala	1850	962	888	350	182	168
3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol	1800	936	864	341	177	164
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura,	1925	1001	924	365	190	175

		Chikharam Imaliya						
5	Karhara kala (2C1B3d3b)	Dayalpura, Milten Gang, Karhara kala, Bagren	1700	884	816	322	167	155
6	Supa (2C1B3d3c)	Milten gang, Jordan Gang, Supa	2375	1235	1140	450	234	216
7	Bagraun (2C1B3d3d)	Bagraun, Chikhara, Nathupura	1500	780	720	284	148	136
8	Bamrara (2C1B3d2a)	Bamhauri kala, Bamrara, Imaliya	1825	949	876	346	180	166
9	Sohjana (2C1B3d2b)	Bamrara, Sohjana	1400	728	672	265	138	127
10	Itawa (2C1B3d2c)	Itawa, Berikhera, Sohjana, Nathupura	1575	819	756	298	155	143
11	Majhol (2C1B3d2d)	Itawa, Nathupura, Majhol	1075	559	516	204	106	98.
12	Nathupura (2C1B3d2f)	Nathupura, Majhol, Kurara dang	1325	689	636	250	130	120
13	Imaliya dang (2C1B3d2g)	Roshanpura, Imaliya, Nathupura, Bamrara, Sohjana	1600	832	768	303	158	145
14	Jarauli 2C1A3p2b	Jarauli, Andhaua, Tisauni	1725	897	828	327	170	157
15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul	1225	637	588	232	121	111
16	Guda-I 2C1A3p2d	Guda, Lhipuri	1475	767	708	279	145	134
17	Guda-II 2C1A3p2e	Guda, Lhipuri	1975	1027	948	375	195	180
18	Akthauonha 2C1A3p2f	Akthauha, Guda	1625	845	780	308	160	148
19	Asthaun 2C1A3p2g	Akthauha, Rainpur, Asthaun, Charkhari	3025	1573	1452	573	298	275
20	Asthaun 2C2A3n1a	Asthaun, Akthauha, Chedimu	1775	923	852	336	175	161

21	Luhari 2C1A3w1a	Luhari, Akthauha, Chedimu	1575	819	756	298	155	143
22	Rampura Kadeem 2C1A3w1b	Chhedimau, Rampura Kadeem	1475	767	708	279	145	134
23	Ghutwai 2C1A3n2e	Rainpur, Akthauha, Udayapura, Lhipuri, Ghutwai	500	260	240	94	49	45
	<b>Total (MWS) Area</b>		<b>38200</b>	<b>19864</b>	<b>18336</b>	<b>7235</b>	<b>3763</b>	<b>3472</b>

Source: Participatory rural appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Table 3.2: Details of land holding pattern in IWMP-XIX, Mahoba**

Sr No	Names MWS with code	Name of Village	Type of Farmer	No. of househol ds	No. of BPL househol ds	Land holding (ha)		
						Irrigated	Rainfed	Total
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijpur	(i) Big (above 4 ha.)	28	-	60.45	96.35	156.80
			(ii) Medium (2-4 ha.)	110	-	36.27	315.73	352.00
			(iii) Small (1-2 ha.)	130	15	24.18	170.82	195.00
			(iv) Marginal (0-1ha.)	98	83	-	51.86	51.86
			(v) Landless	9	9	-	-	-
			<b>Total</b>	<b>375</b>	<b>107</b>	<b>120.90</b>	<b>634.76</b>	<b>755.66</b>
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhaurikala	(i) Big (above 4 ha.)	25	-	56.94	83.06	140.00
			(ii) Medium (2-4 ha.)	105	-	34.16	291.34	325.50
			(iii) Small (1-2 ha.)	125	1	22.77	164.73	187.50
			(iv) Marginal (0-1ha.)	108	91	-	58.70	58.70
			(v) Landless	7	7	-	-	-
			<b>Total</b>	<b>370</b>	<b>99</b>	<b>113.87</b>	<b>597.83</b>	<b>711.70</b>

3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol	(i) Big (above 4 ha.)	24	-	56.29	78.11	134.40
			(ii) Medium (2-4 ha.)	104	-	33.77	288.63	322.40
			(iii) Small (1-2 ha.)	126	1	22.52	172.78	195.30
			(iv) Marginal (0-1ha.)	100	85	-	51.50	51.50
			(v) Landless	6	6	-	-	-
			<b>Total</b>	<b>360</b>	<b>92</b>	<b>112.58</b>	<b>591.02</b>	<b>703.60</b>
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura, Chikharam Imaliya	(i) Big (above 4 ha.)	27	-	64.69	95.96	160.65
			(ii) Medium (2-4 ha.)	110	-	38.81	330.79	369.60
			(iii) Small (1-2 ha.)	123	1	25.88	185.68	211.56
			(iv) Marginal (0-1ha.)	115	97	-	66.82	66.82
			(v) Landless	10	10	-	-	-
			<b>Total</b>	<b>385</b>	<b>108</b>	<b>129.38</b>	<b>679.25</b>	<b>808.63</b>
5	Karhara kala (2C1B3d3b)	Dayalpura, Milten Gang, Karhara kala, Bagren	(i) Big (above 4 ha.)	21	-	54.56	65.14	119.70
			(ii) Medium (2-4 ha.)	101	-	32.74	300.56	333.30
			(iii) Small (1-2 ha.)	115	1	21.83	162.17	184.00
			(iv) Marginal (0-1ha.)	95	80	-	45.06	45.06
			(v) Landless	8	8	-	-	-
			<b>Total</b>	<b>340</b>	<b>89</b>	<b>109.13</b>	<b>572.93</b>	<b>682.06</b>
6	Supa (2C1B3d3c)	Milten gang, Jordan Gang, Supa	(i) Big (above 4 ha.)	30	-	75.78	98.22	174.00
			(ii) Medium (2-4 ha.)	140	-	45.47	402.53	448.00
			(iii) Small (1-2 ha.)	160	1	30.31	217.69	248.00
			(iv) Marginal (0-1ha.)	130	11	-	77.22	77.22
			(v) Landless	15	15	-	-	-
			<b>Total</b>	<b>475</b>	<b>27</b>	<b>151.56</b>	<b>795.66</b>	<b>947.22</b>
7	Bagraun (2C1B3d3d)	Bagraun, Chikhara, Nathupura	(i) Big (above 4 ha.)	19	-	47.44	62.76	110.20
			(ii) Medium (2-4 ha.)	86	-	28.47	246.73	275.20
			(iii) Small (1-2 ha.)	100	1	18.98	141.02	160.00
			(iv) Marginal (0-1ha.)	90	76	-	47.63	47.63
			(v) Landless	5	5	-	-	-
			<b>Total</b>	<b>300</b>	<b>82</b>	<b>94.89</b>	<b>498.14</b>	<b>593.03</b>

8	Bamrara (2C1B3d2a)	Bamhauri kala, Bamrara, Imaliya	(i) Big (above 4 ha.)	21	-	60.01	61.79	121.80
			(ii) Medium (2-4 ha.)	105	-	36.00	310.50	346.50
			(iii) Small (1-2 ha.)	125	1	24.00	188.50	212.50
			(iv) Marginal (0-1ha.)	105	89	-	69.30	69.30
			(v) Landless	9	9	-	-	-
			<b>Total</b>	<b>365</b>	<b>99</b>	<b>120.02</b>	<b>630.08</b>	<b>750.10</b>
9	Sohjana (2C1B3d2b)	Bamrara, Sohjana	(i) Big (above 4 ha.)	18	-	43.96	58.64	102.60
			(ii) Medium (2-4 ha.)	75	-	26.38	213.62	240.00
			(iii) Small (1-2 ha.)	99	11	17.58	140.82	158.40
			(iv) Marginal (0-1ha.)	80	68	-	48.49	48.49
			(v) Landless	8	8	-	-	-
			<b>Total</b>	<b>280</b>	<b>87</b>	<b>87.92</b>	<b>461.57</b>	<b>549.49</b>
10	Itawa (2C1B3d2c)	Itawa, Berikhera, Sohjana, Nathupura	(i) Big (above 4 ha.)	21	-	48.06	69.54	117.60
			(ii) Medium (2-4 ha.)	87	-	28.84	240.86	269.70
			(iii) Small (1-2 ha.)	110	13	19.22	145.78	165.00
			(iv) Marginal (0-1ha.)	90	76	-	48.46	48.46
			(v) Landless	7	7	-	-	-
			<b>Total</b>	<b>315</b>	<b>96</b>	<b>96.12</b>	<b>504.64</b>	<b>600.76</b>
11	Majhol (2C1B3d2d)	Itawa, Nathupura, Majhol	(i) Big (above 4 ha.)	14	-	33.24	47.96	81.20
			(ii) Medium (2-4 ha.)	55	-	19.95	161.55	181.50
			(iii) Small (1-2 ha.)	75	9	13.30	114.20	127.50
			(iv) Marginal (0-1ha.)	66	56	-	25.34	25.34
			(v) Landless	5	5	-	-	-
			<b>Total</b>	<b>215</b>	<b>70</b>	<b>66.49</b>	<b>349.05</b>	<b>415.54</b>
12	Nathupura (2C1B3d2f)	Nathupura, Majhol, Kurara dang	(i) Big (above 4 ha.)	18	-	42.35	62.05	104.40
			(ii) Medium (2-4 ha.)	74	-	25.41	218.79	244.20
			(iii) Small (1-2 ha.)	90	10	16.94	127.06	144.00
			(iv) Marginal (0-1ha.)	75	63	-	36.72	36.72
			(v) Landless	8	8	-	-	-
			<b>Total</b>	<b>265</b>	<b>81</b>	<b>84.69</b>	<b>444.63</b>	<b>529.32</b>
13	Imaliya dang	Roshanpura,	(i) Big (above 4 ha.)	19	-	51.04	59.16	110.20

	(2C1B3d2g)	Imaliya, Nathupura, Bamrara, Sohjana	(ii) Medium (2-4 ha.)	90	-	30.62	266.38	297.00
			(iii) Small (1-2 ha.)	110	13	20.41	155.59	176.00
			(iv) Marginal (0-1ha.)	95	80	-	54.75	54.75
			(v) Landless	6	6	-	-	-
			<b>Total</b>	<b>320</b>	<b>99</b>	<b>102.07</b>	<b>535.88</b>	<b>637.95</b>
14	Jarauli 2C1A3p2b	Jarauli, Andhaua, Tisauni	(i) Big (above 4 ha.)	20	-	56.82	63.18	120.00
			(ii) Medium (2-4 ha.)	110	-	34.09	295.91	330.00
			(iii) Small (1-2 ha.)	120	14	22.73	169.27	192.00
			(iv) Marginal (0-1ha.)	85	72	-	46.79	46.79
			(v) Landless	10	10	-	-	-
		<b>Total</b>	<b>345</b>	<b>96</b>	<b>113.65</b>	<b>575.14</b>	<b>688.79</b>	
15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul	(i) Big (above 4 ha.)	16	-	38.47	53.69	92.16
			(ii) Medium (2-4 ha.)	75	-	23.08	186.92	210.00
			(iii) Small (1-2 ha.)	85	10	15.39	121.46	136.85
			(iv) Marginal (0-1ha.)	60	51	-	27.27	27.27
			(v) Landless	9	9	-	-	-
		<b>Total</b>	<b>245</b>	<b>70</b>	<b>76.94</b>	<b>389.34</b>	<b>466.28</b>	
16	Guda-I 2C2A3p2d	Guda, Lhipuri	(i) Big (above 4 ha.)	15	-	37.17	55.83	93.00
			(ii) Medium (2-4 ha.)	85	-	22.30	258.20	280.50
			(iii) Small (1-2 ha.)	100	12	14.87	155.13	170.00
			(iv) Marginal (0-1ha.)	85	72	-	34.16	34.16
			(v) Landless	10	10	-	-	-
		<b>Total</b>	<b>295</b>	<b>94</b>	<b>74.34</b>	<b>503.32</b>	<b>577.66</b>	
17	Guda-II 2C2A3p2e	Guda, Lhipuri	(i) Big (above 4 ha.)	28	-	53.38	120.22	173.60
			(ii) Medium (2-4 ha.)	120	-	32.03	351.97	384.00
			(iii) Small (1-2 ha.)	140	16	21.35	202.65	224.00
			(iv) Marginal (0-1ha.)	95	80	-	47.86	47.86
			(v) Landless	12	12	-	-	-
		<b>Total</b>	<b>395</b>	<b>108</b>	<b>106.75</b>	<b>722.71</b>	<b>829.46</b>	
18	Akthauonha 2C2A3p2f	Akthauha, Guda	(i) Big (above 4 ha.)	22	-	41.92	94.48	136.40
			(ii) Medium (2-4 ha.)	100	-	25.15	274.85	300.00

			(iii) Small (1-2 ha.)	110	13	16.77	159.23	176.00
			(iv) Marginal (0-1ha.)	85	72	-	39.11	39.11
			(v) Landless	8	8	-	-	-
			<b>Total</b>	<b>325</b>	<b>93</b>	<b>83.85</b>	<b>567.66</b>	<b>651.51</b>
19	Asthaun 2C2A3p2g	Akthauha, Rainpur, Asthaun, Charkhari	(i) Big (above 4 ha.)	43	-	77.82	166.42	244.24
			(ii) Medium (2-4 ha.)	190	-	46.69	523.31	570.00
			(iii) Small (1-2 ha.)	205	24	31.13	294.82	325.95
			(iv) Marginal (0-1ha.)	150	12	-	69.11	69.11
			(v) Landless	17	17	-	-	-
			<b>Total</b>	<b>605</b>	<b>53</b>	<b>155.64</b>	<b>1053.66</b>	<b>1209.30</b>
20	Asthaun 2C2A3n1a	Asthaun, Akthauha, Chedimu	(i) Big (above 4 ha.)	26	-	45.02	90.96	135.98
			(ii) Medium (2-4 ha.)	110	-	27.01	278.79	305.80
			(iii) Small (1-2 ha.)	120	14	18.01	193.19	211.20
			(iv) Marginal (0-1ha.)	90	76	-	46.58	46.58
			(v) Landless	9	9	-	-	-
			<b>Total</b>	<b>355</b>	<b>99</b>	<b>90.03</b>	<b>609.53</b>	<b>699.56</b>
21	Luhari 2C2A3w1a	Luhari, Akthauha, Chedimu	(i) Big (above 4 ha.)	22	-	41.54	81.66	123.20
			(ii) Medium (2-4 ha.)	100	-	24.92	285.08	310.00
			(iii) Small (1-2 ha.)	108	12	16.61	156.19	172.80
			(iv) Marginal (0-1ha.)	78	66	-	39.47	39.47
			(v) Landless	7	7	-	-	-
			<b>Total</b>	<b>315</b>	<b>85</b>	<b>83.07</b>	<b>562.40</b>	<b>645.47</b>
22	Rampura Kadeem 2C2A3w1b	Chhedimau, Rampura Kadeem	(i) Big (above 4 ha.)	23	-	37.21	93.66	130.87
			(ii) Medium (2-4 ha.)	90	-	22.32	254.88	277.20
			(iii) Small (1-2 ha.)	100	12	14.88	125.12	140.00
			(iv) Marginal (0-1ha.)	75	63	-	30.14	30.14
			(v) Landless	7	7	-	-	-
			<b>Total</b>	<b>295</b>	<b>82</b>	<b>74.42</b>	<b>503.79</b>	<b>578.21</b>
23	Ghutwai 2C1A3n2e	Rainpur, Akthauha, Udayapura,	(i) Big (above 4 ha.)	40	-	63.45	128.55	192.00
			(ii) Medium (2-4 ha.)	150	-	38.07	411.93	450.00
			(iii) Small (1-2 ha.)	165	19	25.38	238.62	264.00

		Lhipuri, Ghutwai	(iv) Marginal (0-1ha.)	130	11	-	50.95	50.95
			(v) Landless	15	15	-	-	-
			<b>Total</b>	<b>500</b>	<b>45</b>	<b>126.89</b>	<b>830.06</b>	<b>956.95</b>
	<b>Total</b>		<b>Grand Total</b>	<b>8040</b>	<b>1961</b>	<b>2375.20</b>	<b>13613.05</b>	<b>15988.25</b>

*Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)*

**Table 3.3: Details of migration from Project area (IWMP-XIX, Mahoba): Pre-project status**

Sl. No.	Names of Watershed	Name of village	No. of persons migrating	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	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijpur	150	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhaurikala	148	120-180	-do-	500-1100 Km	Labour	0.25-0.40
3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol	144	120-180	-do-	500-1100 Km	Labour	0.25-0.40
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura, Chikharam Imaliya	154	120-180	-do-	500-1100 Km	Labour	0.25-0.40
5	Karhara kala (2C1B3d3b)	Dayalpura, Milten Gang, Karhara kala, Bagren	136					
6	Supa (2C1B3d3c)	Milten gang, Jordan Gang, Supa	190	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
7	Bagraun (2C1B3d3d)	Bagraun, Chikhara, Nathupura	120	120-180	-do-	500-1100 Km	Labour	0.25-0.40
8	Bamrara (2C1B3d2a)	Bamhauri kala, Bamrara, Imaliya	146	120-180	-do-	500-1100 Km	Labour	0.25-0.40
9	Sohjana (2C1B3d2b)	Bamrara, Sohjana	112	120-180	-do-	500-1100 Km	Labour	0.25-0.40
10	Itawa (2C1B3d2c)	Itawa, Berikhera, Sohjana, Nathupura	126	120-180	-do-	500-1100 Km	Labour	0.25-0.40
11	Majhol (2C1B3d2d)	Itawa, Nathupura, Majhol	86	120-180	-do-	500-1100 Km	Labour	0.25-0.40
12	Nathupura	Nathupura, Majhol,	106	120-180	-do-	500-1100 Km	Labour	0.25-0.40

	(2C1B3d2f)	Kurara dang						
13	Imaliya dang (2C1B3d2g)	Roshanpura, Imaliya, Nathupura, Bamrara, Sohjana	128	120-180	-do-	500-1100 Km	Labour	0.25-0.40
14	Jarauli 2C1A3p2b	Jarauli, Andhaua, Tisauni	138	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul	98	120-180	-do-	500-1100 Km	Labour	0.25-0.40
16	Guda-I 2C1A3p2d	Guda, Lhipuri	118	120-180	-do-	500-1100 Km	Labour	0.25-0.40
17	Guda-II 2C1A3p2e	Guda, Lhipuri	158	120-180	-do-	500-1100 Km	Labour	0.25-0.40
18	Akthauonha 2C1A3p2f	Akthauha, Guda	130	120-180	-do-	500-1100 Km	Labour	0.25-0.40
19	Asthaun 2C1A3p2g	Akthauha, Rainpur, Asthaun, Charkhari	242	120-180	-do-	500-1100 Km	Labour	0.25-0.40
20	Asthaun 2C2A3n1a	Asthaun, Akthauha, Chedimu	142	120-180	-do-	500-1100 Km	Labour	0.25-0.40
21	Luhari 2C1A3w1a	Luhari, Akthauha, Chedimu	126	120-180	-do-	500-1100 Km	Labour	0.25-0.40
22	Rampura Kadeem 2C1A3w1b	Chhedimau, Rampura Kadeem	118	120-180	-do-	500-1100 Km	Labour	0.25-0.40
23	Ghutwai 2C1A3n2e	Rainpur, Akthauha, Udayapura, Lhipuri, Ghutwai	42	120-180	-do-	500-1100 Km	Labour	0.25-0.40
	<b>Total</b>		<b>3058</b>					

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Table 3.4: Details of infrastructure in IWMP-XIX, Mahoba**

Sr. No.	Name of Project	Parameters		Status			
1	IWMP-XIX	(i)	Name of villages connected to the main road by an all-weather road	Mahoba to Charkhari road			
		(ii)	Villages Name provided with electricity	All villages			
		(iii)	No. of households without access to drinking water	About- 5 to 10 per cent households depends on others' source of drinking water			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 30	(S) 03	(HS) 01	(VI) -
		(v)	Names of villages with access to Primary Health Centre	NA			
		(vi)	Names of villages with access to Veterinary Dispensary	01			
		(vii)	Names of villages with access to Post Office	02			
		(viii)	Names of villages with access to Banks	01			
		(ix)	Names of villages with access to Markets/ mandis	01			
		(x)	Names of villages with access to Agro-industries	N.A			
		(xi)	Total quantity of surplus milk/ deficit	-			
		(xii)	No. of milk collection centers (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 04
		(xiii)	Name of villages with access to Anganwadi Centre	At each Gram Panchayat			
		(xiv)	Community centre, Panchayat Ghar	Available			

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Note: Micro-watershed wise information is kept in project file

**Table 3.5: Details of common property resources In IWMP-XIX, Mahoba**

Names of Project	CPR Particulars	Total Area (ha) Area owned/ In possession of				Area available for treatment (ha)			
		Pvt. persons	Govt. Revenue	PRI	Any other (Pl. Specify)	Pvt. persons	Govt. (specify dept.)	PRI	Any other (Pl. Specify)
<b>IWMP-XIX</b>	(i) Wasteland/ degraded land	938.36	-	128.63	-	938.36	-	128.63	-
	(ii) Pastures	-	-	-	-	-	-	-	-
	(iii) Orchards	-	-	-	-	-	-	-	-
	(iv) Village Woodlot	89.57	-	55.86	-	89.57	-	55.86	-
	(v) Forest	-	-	-	-	-	-	-	-
	(vi) Village Ponds/ Tanks	-	-	17.82	-	-	-	-	-
	(vii) Community Buildings	-	-	84.16	-	-	-	-	-
	(viii) Weekly Markets	-	-	-	-	-	-	-	-
	(ix) Permanent markets	-	-	-	-	-	-	-	-
	(x) Temples/ Places of worship	-	-	35.86	-	-	-	-	-
	(xi) Habitat, Chakmarg, Sector, Road etc	-	807.36	-	-	-	-	-	-
<b>Total</b>		<b>1027.93</b>	<b>807.36</b>	<b>322.33</b>	<b>-</b>	<b>1027.93</b>	<b>-</b>	<b>184.49</b>	<b>-</b>

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

### 3.2 Soil and Land Holding Pattern

Major soils of the project are light and medium textured soil (sandy loam, loam and silty loam). Area details of each micro watershed are given in Table 3.6.

**Table 3.6: Details of Soil texture in IWMP-XIX, Mahoba**

Sr. No.	MWS Project	Area in different Soil Group (ha)			Details
		Light textured soil (sand, loamy sand)	Medium textured soil (Sandy loam, loam, silt loam)	Heavy textured soil (Clayey)	
1	Bragpur (2C1B3d1a)	203.45	494.08	271.26	Purwa, Mar+kabar
2	Bamhauri kala (2C1B3d1b)	228.11	465.34	218.99	Purwa, Mar+kabar
3	Kurara dang (2C1B3d1c)	162.37	469.07	270.62	Purwa, Mar+kabar
4	Maharajpura (2C1B3d3a)	248.81	570.19	217.71	Purwa, Mar+kabar
5	Karhara kala (2C1B3d3b)	157.40	419.73	297.31	Purwa, Mar+kabar
6	Supa (2C1B3d3c)	242.88	680.06	291.45	Purwa, Mar+kabar
7	Bagraun (2C1B3d3d)	167.27	440.97	152.06	Purwa, Mar+kabar
8	Bamrara (2C1B3d2a)	187.53	548.15	225.99	Purwa, Mar+kabar
9	Sohjana (2C1B3d2b)	144.42	373.37	186.68	Purwa, Mar+kabar
10	Itawa (2C1B3d2c)	157.89	408.21	204.10	Purwa, Mar+kabar
11	Majhol (2C1B3d2d)	109.21	282.35	141.18	Purwa, Mar+kabar
12	Nathupura (2C1B3d2f)	139.12	359.66	179.83	Purwa, Mar+kabar
13	Imaliya dang (2C1B3d2g)	167.67	433.48	216.74	Purwa, Mar+kabar
14	Jarauli 2C1A3p2b	185.44	450.36	247.26	Purwa, Mar+kabar
15	Anghaura 2C1A3p2c	125.54	304.87	167.38	Purwa, Mar+kabar
16	Guda-I 2C1A3p2d	121.31	294.61	161.74	Purwa, Mar+kabar
17	Guda-II 2C1A3p2e	174.19	423.02	232.25	Purwa, Mar+kabar
18	Akthauonha 2C1A3p2f	136.82	332.27	182.42	Purwa, Mar+kabar
19	Asthaun 2C1A3p2g	253.95	616.74	338.60	Purwa, Mar+kabar
20	Asthaun 2C2A3n1a	146.91	356.78	195.88	Purwa, Mar+kabar
21	Luhari 2C1A3w1a	135.55	329.19	180.73	Purwa, Mar+kabar
22	Rampura Kadeem 2C1A3w1b	121.42	294.89	161.90	Purwa, Mar+kabar
23	Ghutwai 2C1A3n2e	200.96	488.04	267.95	Purwa, Mar+kabar
	<b>Total (MWS) Area</b>	<b>3918.22</b>	<b>9835.43</b>	<b>5010.03</b>	

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

### 3.3 Major Crops, its Productivity and Production

Micro-watershed wise grown crops, their productivity and production under irrigated and rainfed condition is given in Table 3.5. As far as productivity of cereals is concerned, it is significantly lower than the state and national average. Micro-watershed wise cropping intensity varied from 101.67 to 122.05 per cent with 109.44 per cent for the project.

**Table 3.7: Micro-watershed wise details of Crops, their Productivity and Production in IWMP-XIX, Mahoba Bragpur (2C1B3d1a)**

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/Other Product.	
						Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	90.52	0.00	2.80	0.00	253.45	0.00	506.91
2	Moong	0.00	84.65	0.00	2.60	0.00	220.09	0.00	396.16
3	Arhar	0.00	36.15	0.00	4.70	0.00	169.91	0.00	28.88
4	Sorghum	0.00	25.48	0.00	5.60	0.00	142.69	0.00	656.36
5	Til	0.00	76.48	0.00	1.70	0.00	130.02	0.00	247.03
	<b>Total</b>		<b>313.28</b>				<b>916.15</b>		<b>1835.35</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	120.90	11.32	20.10	11.20	2430.19	126.78	2551.70	125.52
2	Masoor	0.00	35.48	0.00	10.30	0.00	365.44	0.00	361.79
3	Gram	0.00	100.35	0.00	4.60	0.00	461.61	0.00	7720.24
4	Pea	0.00	165.26	0.00	5.30	0.00	875.88	0.00	840.84
5	Mustard	0.00	59.64	0.00	6.70	0.00	399.59	0.00	1398.56
	<b>Total</b>	<b>120.90</b>	<b>372.05</b>			<b>2430.19</b>	<b>2229.30</b>	<b>2551.70</b>	<b>10446.95</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>755.66</b>	<b>Cropping Intensity</b>	<b>106.69</b>					

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Bamhauri kala (2C1B3d1b)**

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/Other Product.	
						Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	97.31	0.00	2.80	0.00	272.47	0.00	544.94
2	Moong	0.00	59.46	0.00	2.60	0.00	154.60	0.00	278.27
3	Arhar	0.00	32.34	0.00	4.70	0.00	152.00	0.00	25.84
4	Sorghum	0.00	17.49	0.00	5.60	0.00	97.94	0.00	450.54
5	Til	0.00	75.36	0.00	1.70	0.00	128.11	0.00	243.41
	<b>Total</b>		<b>281.96</b>				<b>805.12</b>		<b>1543.00</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	113.87	13.49	20.10	11.20	2288.84	151.09	2403.28	149.58
2	Masoor	0.00	67.46	0.00	10.30	0.00	694.84	0.00	687.89
3	Gram	0.00	59.48	0.00	4.60	0.00	273.61	0.00	7720.24
4	Pea	0.00	152.36	0.00	5.30	0.00	807.51	0.00	775.21
5	Mustard	0.00	59.35	0.00	6.70	0.00	397.65	0.00	1391.76
	<b>Total</b>	<b>113.87</b>	<b>352.14</b>			<b>2288.84</b>	<b>2324.69</b>	<b>2403.28</b>	<b>10724.67</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>711.70</b>	<b>Cropping Intensity</b>	<b>105.10</b>					

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Kurara dang (2C1B3d1c)**

S.No	Crop	Area (ha.)		Productivity q/ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	64.49	0.00	2.80	0.00	180.57	0.00	361.14
2	Moong	0.00	31.20	0.00	2.60	0.00	81.12	0.00	146.02
3	Arhar	0.00	54.62	0.00	4.70	0.00	256.71	0.00	43.64
4	Sorghum	0.00	57.32	0.00	5.60	0.00	320.99	0.00	1476.56
5	Til	0.00	101.95	0.00	1.70	0.00	173.32	0.00	329.30
	<b>Total</b>		<b>309.58</b>				<b>1012.71</b>		<b>2356.66</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	112.58	12.34	20.10	11.20	2262.77	138.21	2375.91	136.83
2	Masoor	0.00	34.94	0.00	10.30	0.00	359.88	0.00	356.28
3	Gram	0.00	69.48	0.00	4.60	0.00	319.61	0.00	7720.24
4	Pea	0.00	143.26	0.00	5.30	0.00	759.28	0.00	728.91
5	Mustard	0.00	68.34	0.00	6.70	0.00	457.88	0.00	1602.57
	<b>Total</b>	<b>112.58</b>	<b>328.36</b>			<b>2262.77</b>	<b>2034.85</b>	<b>2375.91</b>	<b>10544.83</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>703.60</b>	<b>Cropping Intensity</b>		<b>106.67</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Maharajpura (2C1B3d3a)**

S.No	Crop	Area (ha.)		Productivity q/ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	79.35	0.00	2.80	0.00	222.18	0.00	444.36
2	Moong	0.00	54.36	0.00	2.60	0.00	141.34	0.00	254.40
3	Arhar	0.00	23.26	0.00	4.70	0.00	109.32	0.00	18.58
4	Sorghum	0.00	33.26	0.00	5.60	0.00	186.26	0.00	856.78
5	Til	0.00	48.36	0.00	1.70	0.00	82.21	0.00	156.20
	<b>Total</b>		<b>238.59</b>				<b>741.31</b>		<b>1730.33</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	129.38	35.26	20.10	11.20	2600.57	394.91	2730.59	390.96
2	Masoor	0.00	116.48	0.00	10.30	0.00	1199.74	0.00	1187.75
3	Gram	0.00	75.36	0.00	4.60	0.00	346.66	0.00	7720.24
4	Pea	0.00	198.36	0.00	5.30	0.00	1051.31	0.00	1009.26
5	Mustard	0.00	62.15	0.00	6.70	0.00	416.41	0.00	1457.42
	<b>Total</b>	<b>129.38</b>	<b>487.61</b>			<b>2600.57</b>	<b>3409.03</b>	<b>2730.59</b>	<b>11765.62</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>808.63</b>	<b>Cropping Intensity</b>		<b>105.81</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Karhara kala (2C1B3d3b)**

S.No	Crop	Area (ha.)		Productivity q/ha		Production (q.)			
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/Other Product.	
						Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	89.46	0.00	2.80	0.00	250.49	0.00	500.98
2	Moong	0.00	32.26	0.00	2.60	0.00	83.88	0.00	150.98
3	Arhar	0.00	54.16	0.00	4.70	0.00	254.55	0.00	43.27
4	Sorghum	0.00	31.26	0.00	5.60	0.00	175.06	0.00	805.26
5	Til	0.00	61.34	0.00	1.70	0.00	104.28	0.00	198.13
	<b>Total</b>		<b>268.48</b>				<b>868.25</b>		<b>1698.61</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	109.13	16.49	20.10	11.20	2193.49	184.69	2303.16	182.84
2	Masoor	0.00	84.36	0.00	10.30	0.00	868.91	0.00	860.22
3	Gram	0.00	94.69	0.00	4.60	0.00	435.56	0.00	7720.24
4	Pea	0.00	138.35	0.00	5.30	0.00	733.26	0.00	703.92
5	Mustard	0.00	31.58	0.00	6.70	0.00	211.59	0.00	740.55
	<b>Total</b>	<b>109.13</b>	<b>365.47</b>			<b>2193.49</b>	<b>2434.00</b>	<b>2303.16</b>	<b>10207.78</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>682.06</b>	<b>Cropping Intensity</b>		<b>108.95</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Supa (2C1B3d3c)

S.No	Crop	Area (ha.)		Productivity q/ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	87.26	0.00	2.80	0.00	244.33	0.00	488.66
2	Moong	0.00	75.36	0.00	2.60	0.00	195.94	0.00	352.68
3	Arhar	0.00	59.07	0.00	4.70	0.00	277.65	0.00	47.20
4	Sorghum	0.00	48.35	0.00	5.60	0.00	270.76	0.00	1245.50
5	Til	0.00	124.25	0.00	1.70	0.00	211.23	0.00	401.33
	<b>Total</b>		<b>394.29</b>				<b>1199.90</b>		<b>2535.36</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	151.56	39.58	20.10	11.20	3046.27	443.30	3198.59	438.86
2	Masoor	0.00	54.20	0.00	10.30	0.00	558.26	0.00	552.68
3	Gram	0.00	105.60	0.00	4.60	0.00	485.76	0.00	7720.24
4	Pea	0.00	198.30	0.00	5.30	0.00	1050.99	0.00	1008.95
5	Mustard	0.00	65.36	0.00	6.70	0.00	437.91	0.00	1532.69
	<b>Total</b>	<b>151.56</b>	<b>463.04</b>			<b>3046.27</b>	<b>2976.22</b>	<b>3198.59</b>	<b>11253.42</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>947.22</b>	<b>Cropping Intensity</b>		<b>106.51</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Bagraun (2C1B3d3d)**

S.No	Crop	Area (ha.)		Productivity q/ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	69.63	0.00	2.80	0.00	194.96	0.00	389.93
2	Moong	0.00	15.49	0.00	2.60	0.00	40.27	0.00	72.49
3	Arhar	0.00	49.34	0.00	4.70	0.00	231.90	0.00	39.42
4	Sorghum	0.00	34.16	0.00	5.60	0.00	191.30	0.00	879.96
5	Til	0.00	65.38	0.00	1.70	0.00	111.15	0.00	211.18
	<b>Total</b>		<b>234.00</b>				<b>769.58</b>		<b>1592.98</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	94.89	10.68	20.10	11.20	1907.20	119.62	2002.56	118.42
2	Masoor	0.00	76.35	0.00	10.30	0.00	786.41	0.00	778.54
3	Gram	0.00	45.30	0.00	4.60	0.00	208.38	0.00	7720.24
4	Pea	0.00	115.36	0.00	5.30	0.00	611.41	0.00	586.95
5	Mustard	0.00	26.34	0.00	6.70	0.00	176.48	0.00	617.67
	<b>Total</b>	<b>94.89</b>	<b>274.03</b>			<b>1907.20</b>	<b>1902.29</b>	<b>2002.56</b>	<b>9821.83</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>593.03</b>	<b>Cropping Intensity</b>		<b>101.67</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Bamrara (2C1B3d2a)**

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	94.36	0.00	2.80	0.00	264.21	0.00	528.42
2	Moong	0.00	49.35	0.00	2.60	0.00	128.31	0.00	230.96
3	Arhar	0.00	59.39	0.00	4.70	0.00	279.13	0.00	47.45
4	Sorghum	0.00	43.85	0.00	5.60	0.00	245.56	0.00	1129.58
5	Til	0.00	64.97	0.00	1.70	0.00	110.45	0.00	209.85
	<b>Total</b>		<b>311.92</b>				<b>1027.66</b>		<b>2146.26</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	120.02	31.13	20.10	11.20	2412.33	348.66	2532.95	345.17
2	Masoor	0.00	69.48	0.00	10.30	0.00	715.64	0.00	708.49
3	Gram	0.00	74.35	0.00	4.60	0.00	342.01	0.00	7720.24
4	Pea	0.00	154.00	0.00	5.30	0.00	816.20	0.00	783.55
5	Mustard	0.00	56.48	0.00	6.70	0.00	378.42	0.00	1324.46
	<b>Total</b>	<b>120.02</b>	<b>385.44</b>			<b>2412.33</b>	<b>2600.93</b>	<b>2532.95</b>	<b>10881.91</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>750.10</b>	<b>Cropping Intensity</b>		<b>108.97</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Sohjana (2C1B3d2b)**

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/Other Product.	
						Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	56.38	0.00	2.80	0.00	157.86	0.00	315.73
2	Moong	0.00	26.50	0.00	2.60	0.00	68.90	0.00	124.02
3	Arhar	0.00	19.35	0.00	4.70	0.00	90.95	0.00	15.46
4	Sorghum	0.00	38.20	0.00	5.60	0.00	213.92	0.00	984.03
5	Til	0.00	58.67	0.00	1.70	0.00	99.74	0.00	189.50
	<b>Total</b>		<b>199.10</b>				<b>631.37</b>		<b>1628.74</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	87.92	21.35	20.10	11.20	1767.15	239.12	1855.51	236.73
2	Masoor	0.00	58.34	0.00	10.30	0.00	600.90	0.00	594.89
3	Gram	0.00	63.80	0.00	4.60	0.00	293.48	0.00	7720.24
4	Pea	0.00	103.26	0.00	5.30	0.00	547.28	0.00	525.39
5	Mustard	0.00	34.65	0.00	6.70	0.00	232.16	0.00	812.54
	<b>Total</b>	<b>87.92</b>	<b>281.40</b>			<b>1767.15</b>	<b>1912.94</b>	<b>1855.51</b>	<b>9889.79</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>549.49</b>	<b>Cropping Intensity</b>		<b>103.45</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Itawa (2C1B3d2c)**

S.No	Crop	Area (ha.)		Productivity q/ha		Production (q.)			
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/Other Product.	
								Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	93.16	0.00	2.80	0.00	260.85	0.00	521.70
2	Moong	0.00	38.26	0.00	2.60	0.00	99.48	0.00	179.06
3	Arhar	0.00	26.35	0.00	4.70	0.00	123.85	0.00	21.05
4	Sorghum	0.00	59.34	0.00	5.60	0.00	332.30	0.00	1528.60
5	Til	0.00	74.20	0.00	1.70	0.00	126.14	0.00	239.67
	<b>Total</b>		<b>291.31</b>				<b>942.61</b>		<b>2490.07</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	96.12	36.01	20.10	11.20	1932.03	403.31	2028.63	399.28
2	Masoor	0.00	64.97	0.00	10.30	0.00	669.19	0.00	662.50
3	Gram	0.00	110.30	0.00	4.60	0.00	507.38	0.00	7720.24
4	Pea	0.00	163.48	0.00	5.30	0.00	866.44	0.00	831.79
5	Mustard	0.00	34.64	0.00	6.70	0.00	232.09	0.00	812.31
	<b>Total</b>	<b>96.12</b>	<b>409.40</b>			<b>1932.03</b>	<b>2678.42</b>	<b>2028.63</b>	<b>10426.11</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>770.20</b>	<b>Cropping Intensity</b>		<b>103.46</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Majhol (2C1B3d2d)

S.No	Crop	Area (ha.)		Productivity q/ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	59.34	0.00	2.80	0.00	166.15	0.00	332.30
2	Moong	0.00	21.48	0.00	2.60	0.00	55.85	0.00	100.53
3	Arhar	0.00	13.46	0.00	4.70	0.00	63.26	0.00	10.75
4	Sorghum	0.00	26.16	0.00	5.60	0.00	146.50	0.00	673.88
5	Til	0.00	45.36	0.00	1.70	0.00	77.11	0.00	146.51
	<b>Total</b>		<b>165.80</b>				<b>508.87</b>		<b>1263.98</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	66.49	19.34	20.10	11.20	1336.37	216.61	1403.19	214.44
2	Masoor	0.00	28.25	0.00	10.30	0.00	290.98	0.00	288.07
3	Gram	0.00	45.36	0.00	4.60	0.00	208.66	0.00	7720.24
4	Pea	0.00	89.21	0.00	5.30	0.00	472.81	0.00	453.90
5	Mustard	0.00	21.38	0.00	6.70	0.00	143.25	0.00	501.36
	<b>Total</b>	<b>66.49</b>	<b>203.54</b>			<b>1336.37</b>	<b>1332.30</b>	<b>1403.19</b>	<b>9178.01</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>415.54</b>	<b>Cropping Intensity</b>		<b>104.88</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Nathupura (2C1B3d2f)**

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/Other Product.	
						Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	74.18	0.00	2.80	0.00	207.70	0.00	415.41
2	Moong	0.00	21.48	0.00	2.60	0.00	55.85	0.00	100.53
3	Arhar	0.00	31.58	0.00	4.70	0.00	148.43	0.00	25.23
4	Sorghum	0.00	13.67	0.00	5.60	0.00	76.55	0.00	352.14
5	Til	0.00	71.68	0.00	1.70	0.00	121.86	0.00	231.53
	<b>Total</b>		<b>212.59</b>				<b>610.39</b>		<b>1124.83</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	84.69	21.36	20.10	11.20	1702.28	239.23	1787.39	236.84
2	Masoor	0.00	26.34	0.00	10.30	0.00	271.30	0.00	268.59
3	Gram	0.00	74.26	0.00	4.60	0.00	341.60	0.00	7720.24
4	Pea	0.00	125.36	0.00	5.30	0.00	664.41	0.00	637.83
5	Mustard	0.00	23.16	0.00	6.70	0.00	155.17	0.00	543.10
	<b>Total</b>	<b>84.69</b>	<b>270.48</b>			<b>1702.28</b>	<b>1671.71</b>	<b>1787.39</b>	<b>9406.60</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>529.32</b>	<b>Cropping Intensity</b>		<b>107.26</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Imaliya dang (2C1B3d2g)**

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/Other Product.	
						Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	91.91	0.00	2.80	0.00	257.35	0.00	514.70
2	Moong	0.00	21.48	0.00	2.60	0.00	55.85	0.00	100.53
3	Arhar	0.00	31.58	0.00	4.70	0.00	148.43	0.00	25.23
4	Sorghum	0.00	13.67	0.00	5.60	0.00	76.55	0.00	352.14
5	Til	0.00	71.29	0.00	1.70	0.00	121.19	0.00	230.27
	<b>Total</b>		<b>229.93</b>				<b>659.37</b>		<b>1222.87</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	102.07	16.48	20.10	11.20	2051.66	184.58	2154.24	182.73
2	Masoor	0.00	25.61	0.00	10.30	0.00	263.78	0.00	261.15
3	Gram	0.00	63.80	0.00	4.60	0.00	293.48	0.00	7720.24
4	Pea	0.00	213.26	0.00	5.30	0.00	1130.28	0.00	1085.07
5	Mustard	0.00	22.14	0.00	6.70	0.00	148.34	0.00	519.18
	<b>Total</b>	<b>102.07</b>	<b>341.29</b>			<b>2051.66</b>	<b>2020.46</b>	<b>2154.24</b>	<b>9768.37</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>637.95</b>	<b>Cropping Intensity</b>		<b>105.54</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Name of MWS - Jarauli 2C2A3p2b

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/Other Product.	
								Irrigated	Rainfed
A	<b>Kharif</b>								
1	Urd	0.00	90.52	0.00	3.45	0.00	312.29	0.00	624.58
2	Moong	0.00	84.37	0.00	3.48	0.00	293.61	0.00	528.49
3	Arhar	0.00	28.03	0.00	5.62	0.00	157.52	0.00	26.78
4	Sorghum	0.00	11.87	0.00	6.28	0.00	74.54	0.00	342.90
5	Til	0.00	84.99	0.00	1.85	0.00	157.24	0.00	298.75
	<b>Total</b>		<b>299.78</b>				<b>995.20</b>		<b>8001.17</b>
B	<b>Rabi</b>								
1	Wheat	113.65	11.32	23.65	14.14	2687.82	160.06	2822.21	158.46
2	Masoor	0.00	135.47	0.00	13.55	0.00	1835.62	0.00	1817.26
3	Gram	0.00	84.63	0.00	6.45	0.00	545.86	0.00	7720.24
4	Pea	0.00	98.36	0.00	6.00	0.00	590.16	0.00	566.55
5	Mustard	0.00	26.45	0.00	7.60	0.00	201.02	0.00	703.57
	<b>Total</b>	<b>113.65</b>	<b>356.23</b>			<b>2687.82</b>	<b>3332.73</b>	<b>2822.21</b>	<b>10966.09</b>
C	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>688.79</b>	<b>Cropping Intensity</b>		<b>111.74</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Name of MWS - Anghaura 2C1A3p2c

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	59.38	0.00	3.45	0.00	204.86	0.00	409.72
2	Moong	0.00	35.26	0.00	3.48	0.00	122.70	0.00	220.87
3	Arhar	0.00	14.36	0.00	5.62	0.00	80.70	0.00	13.72
4	Sorghum	0.00	16.84	0.00	6.28	0.00	105.76	0.00	486.47
5	Til	0.00	68.31	0.00	1.85	0.00	126.37	0.00	240.11
	<b>Total</b>		<b>194.15</b>				<b>640.40</b>		<b>8001.17</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	76.94	9.35	23.65	14.14	1819.53	132.21	1910.50	130.89
2	Masoor	0.00	98.26	0.00	13.55	0.00	1331.42	0.00	1318.11
3	Gram	0.00	79.36	0.00	6.45	0.00	511.87	0.00	7720.24
4	Pea	0.00	54.36	0.00	6.00	0.00	326.16	0.00	313.11
5	Mustard	0.00	24.78	0.00	7.60	0.00	188.33	0.00	659.15
	<b>Total</b>	<b>76.94</b>	<b>266.11</b>			<b>1819.53</b>	<b>2489.99</b>	<b>1910.50</b>	<b>10141.50</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>466.28</b>	<b>Cropping Intensity</b>	<b>115.21</b>					

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Name of MWS - Guda-I 2C1A3p2d

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/Other Product.	
								Irrigated	Rainfed
A	<b>Kharif</b>								
1	Urd	0.00	65.30	0.00	3.45	0.00	225.29	0.00	450.57
2	Moong	0.00	31.26	0.00	3.48	0.00	108.78	0.00	195.81
3	Arhar	0.00	12.36	0.00	5.62	0.00	69.46	0.00	11.81
4	Sorghum	0.00	13.54	0.00	6.28	0.00	85.03	0.00	391.14
5	Til	0.00	56.31	0.00	1.85	0.00	104.17	0.00	197.93
	<b>Total</b>		<b>178.77</b>				<b>592.74</b>		<b>8001.17</b>
B	<b>Rabi</b>								
1	Wheat	74.34	6.35	23.65	14.14	1758.26	89.79	1846.17	88.89
2	Masoor	0.00	112.13	0.00	13.55	0.00	1519.36	0.00	1504.17
3	Gram	0.00	65.38	0.00	6.45	0.00	421.70	0.00	7720.24
4	Pea	0.00	67.35	0.00	6.00	0.00	404.10	0.00	387.94
5	Mustard	0.00	12.36	0.00	7.60	0.00	93.94	0.00	328.78
	<b>Total</b>	<b>74.34</b>	<b>263.57</b>			<b>1758.26</b>	<b>2528.89</b>	<b>1846.17</b>	<b>10030.01</b>
C	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>450.57</b>	<b>Cropping Intensity</b>		<b>114.67</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Name of MWS - Guda-II 2C1A3p2e

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	83.56	0.00	3.45	0.00	288.27	0.00	576.54
2	Moong	0.00	75.36	0.00	3.48	0.00	262.25	0.00	472.06
3	Arhar	0.00	25.87	0.00	5.62	0.00	145.40	0.00	24.72
4	Sorghum	0.00	12.54	0.00	6.28	0.00	78.75	0.00	362.26
5	Til	0.00	78.46	0.00	1.85	0.00	145.14	0.00	275.77
	<b>Total</b>		<b>275.78</b>				<b>919.82</b>		<b>8001.17</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	106.75	11.16	23.65	14.14	2524.67	157.77	2650.91	156.20
2	Masoor	0.00	136.26	0.00	13.55	0.00	1846.32	0.00	1827.86
3	Gram	0.00	96.32	0.00	6.45	0.00	621.26	0.00	7720.24
4	Pea	0.00	74.39	0.00	6.00	0.00	446.34	0.00	428.49
5	Mustard	0.00	23.36	0.00	7.60	0.00	177.54	0.00	621.38
	<b>Total</b>	<b>106.75</b>	<b>341.49</b>			<b>2524.67</b>	<b>3249.24</b>	<b>2650.91</b>	<b>10754.16</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>646.98</b>	<b>Cropping Intensity</b>		<b>111.91</b>				

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Name of MWS - Akthauonha 2C1A3p2f

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/Other Product.	
								Irrigated	Rainfed
A	<b>Kharif</b>								
1	Urd	0.00	64.28	0.00	3.45	0.00	221.77	0.00	443.53
2	Moong	0.00	54.36	0.00	3.48	0.00	189.17	0.00	340.51
3	Arhar	0.00	28.03	0.00	5.62	0.00	157.52	0.00	26.78
4	Sorghum	0.00	15.84	0.00	6.28	0.00	99.48	0.00	457.59
5	Til	0.00	59.15	0.00	1.85	0.00	109.43	0.00	207.91
	<b>Total</b>		<b>221.66</b>				<b>777.36</b>		<b>8001.17</b>
B	<b>Rabi</b>								
1	Wheat	83.85	9.15	23.65	14.14	1983.04	129.38	2082.19	128.09
2	Masoor	0.00	115.36	0.00	13.55	0.00	1563.13	0.00	1547.50
3	Gram	0.00	60.57	0.00	6.45	0.00	390.68	0.00	7720.24
4	Pea	0.00	78.26	0.00	6.00	0.00	469.56	0.00	450.78
5	Mustard	0.00	24.36	0.00	7.60	0.00	185.14	0.00	647.98
	<b>Total</b>	<b>83.85</b>	<b>287.70</b>			<b>1983.04</b>	<b>2737.88</b>	<b>2082.19</b>	<b>10494.58</b>
C	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>508.18</b>	<b>Cropping Intensity</b>	<b>116.73</b>					

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Name of MWS - Asthaun 2C1A3p2g

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	154.28	0.00	3.45	0.00	532.27	0.00	1064.53
2	Moong	0.00	97.26	0.00	3.48	0.00	338.46	0.00	609.24
3	Arhar	0.00	34.15	0.00	5.62	0.00	191.92	0.00	32.63
4	Sorghum	0.00	25.16	0.00	6.28	0.00	158.00	0.00	726.82
5	Til	0.00	89.57	0.00	1.85	0.00	165.71	0.00	314.84
	<b>Total</b>		<b>400.42</b>				<b>1386.36</b>		<b>8001.17</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	155.64	16.38	23.65	14.14	3680.81	231.61	3864.85	229.30
2	Masoor	0.00	180.23	0.00	13.55	0.00	2442.12	0.00	2417.70
3	Gram	0.00	150.15	0.00	6.45	0.00	968.47	0.00	7720.24
4	Pea	0.00	134.26	0.00	6.00	0.00	805.56	0.00	773.34
5	Mustard	0.00	45.29	0.00	7.60	0.00	344.20	0.00	1204.71
	<b>Total</b>	<b>155.64</b>	<b>526.31</b>			<b>3680.81</b>	<b>4791.96</b>	<b>3864.85</b>	<b>12345.28</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>943.25</b>	<b>Cropping Intensity</b>	<b>114.75</b>					

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Name of MWS - Asthaun 2C1A3n1a

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	42.13	0.00	3.45	0.00	145.35	0.00	290.70
2	Moong	0.00	7.19	0.00	3.48	0.00	25.02	0.00	45.04
3	Arhar	0.00	4.25	0.00	5.62	0.00	23.89	0.00	4.06
4	Sorghum	0.00	9.12	0.00	6.28	0.00	57.27	0.00	263.46
5	Til	0.00	19.34	0.00	1.85	0.00	35.78	0.00	67.98
	<b>Total</b>		<b>82.03</b>				<b>287.31</b>		<b>8001.17</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	31.26	8.16	23.65	14.14	739.40	115.38	776.37	114.23
2	Masoor	0.00	65.13	0.00	13.55	0.00	882.51	0.00	873.69
3	Gram	0.00	15.36	0.00	6.45	0.00	99.07	0.00	7720.24
4	Pea	0.00	5.36	0.00	6.00	0.00	32.16	0.00	30.87
5	Mustard	0.00	8.12	0.00	7.60	0.00	61.71	0.00	215.99
	<b>Total</b>	<b>31.26</b>	<b>102.13</b>			<b>739.40</b>	<b>1190.84</b>	<b>776.37</b>	<b>8955.02</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>189.48</b>	<b>Cropping Intensity</b>	<b>113.69</b>					

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Name of MWS - Luhari 2C1A3w1a

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/Other Product.	
								Irrigated	Rainfed
A	<b>Kharif</b>								
1	Urd	0.00	61.28	0.00	3.45	0.00	211.42	0.00	422.83
2	Moong	0.00	42.36	0.00	3.48	0.00	147.41	0.00	265.34
3	Arhar	0.00	32.16	0.00	5.62	0.00	180.74	0.00	30.73
4	Sorghum	0.00	22.39	0.00	6.28	0.00	140.61	0.00	646.80
5	Til	0.00	54.26	0.00	1.85	0.00	100.38	0.00	190.72
	<b>Total</b>		<b>212.45</b>				<b>780.56</b>		<b>8001.17</b>
B	<b>Rabi</b>								
1	Wheat	83.07	7.19	23.65	14.14	1964.65	101.67	2062.89	100.65
2	Masoor	0.00	120.35	0.00	13.55	0.00	1630.74	0.00	1614.44
3	Gram	0.00	81.26	0.00	6.45	0.00	524.13	0.00	7720.24
4	Pea	0.00	59.14	0.00	6.00	0.00	354.84	0.00	340.65
5	Mustard	0.00	23.18	0.00	7.60	0.00	176.17	0.00	616.59
	<b>Total</b>	<b>83.07</b>	<b>291.12</b>			<b>1964.65</b>	<b>2787.54</b>	<b>2062.89</b>	<b>10392.56</b>
C	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>503.47</b>	<b>Cropping Intensity</b>	<b>116.52</b>					

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Name of MWS - Rampura Kadeem 2C1A3w1b

S.No	Crop	Area (ha.)		Productivity q/ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
<b>A</b>	<b>Kharif</b>								
1	Urd	0.00	53.12	0.00	3.45	0.00	183.26	0.00	366.53
2	Moong	0.00	15.24	0.00	3.48	0.00	53.04	0.00	95.46
3	Arhar	0.00	6.48	0.00	5.62	0.00	36.42	0.00	6.19
4	Sorghum	0.00	3.16	0.00	6.28	0.00	19.84	0.00	91.29
5	Til	0.00	14.26	0.00	1.85	0.00	26.38	0.00	50.12
	<b>Total</b>		<b>92.26</b>				<b>318.94</b>		<b>8001.17</b>
<b>B</b>	<b>Rabi</b>								
1	Wheat	35.17	3.12	23.65	14.14	831.69	44.12	873.27	43.68
2	Masoor	0.00	65.12	0.00	13.55	0.00	882.38	0.00	873.55
3	Gram	0.00	30.26	0.00	6.45	0.00	195.18	0.00	7720.24
4	Pea	0.00	9.36	0.00	6.00	0.00	56.16	0.00	53.91
5	Mustard	0.00	5.23	0.00	7.60	0.00	39.75	0.00	139.12
	<b>Total</b>	<b>35.17</b>	<b>113.09</b>			<b>831.69</b>	<b>1217.58</b>	<b>873.27</b>	<b>8830.50</b>
<b>C</b>	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>213.13</b>	<b>Cropping Intensity</b>	<b>112.85</b>					

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Name of MWS - Ghutwai 2C1A3n2e

S.No	Crop	Area (ha.)		Productivity q./ha		Production (q.)			
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/Other Product.	
								Irrigated	Rainfed
A	<b>Kharif</b>								
1	Urd	0.00	97.15	0.00	3.45	0.00	335.17	0.00	670.34
2	Moong	0.00	64.28	0.00	3.48	0.00	223.69	0.00	402.65
3	Arhar	0.00	31.58	0.00	5.62	0.00	177.48	0.00	30.17
4	Sorghum	0.00	34.18	0.00	6.28	0.00	214.65	0.00	987.39
5	Til	0.00	84.16	0.00	1.85	0.00	155.70	0.00	295.82
	<b>Total</b>		<b>311.35</b>				<b>1106.69</b>		<b>8001.17</b>
B	<b>Rabi</b>								
1	Wheat	123.16	18.24	23.65	14.14	2912.72	257.91	3058.36	255.33
2	Masoor	0.00	163.25	0.00	13.55	0.00	2212.04	0.00	2189.92
3	Gram	0.00	110.32	0.00	6.45	0.00	711.56	0.00	7720.24
4	Pea	0.00	94.18	0.00	6.00	0.00	565.08	0.00	542.48
5	Mustard	0.00	34.15	0.00	7.60	0.00	259.54	0.00	908.39
	<b>Total</b>	<b>123.16</b>	<b>420.14</b>			<b>2912.72</b>	<b>4006.14</b>	<b>3058.36</b>	<b>11616.36</b>
C	<b>Zaid</b>								
	Nil								
	<b>Cultivable Area</b>	<b>746.42</b>	<b>Cropping Intensity</b>	<b>114.50</b>					

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Table 3.8: Food, fodder and fuel production in the project area (IWMP-XIX, District- Mahoba)**

Summary	Unit	Production During Kharif	Production during Rabi	Total Production	Remarks
<b>Food Production (Atlas.)</b>					
Cereals	q	7037.44	53443.73	60481.17	-
Pulses	q	8738.12	47735.65	56473.78	-
Oilseed	q	2723.09	5514.24	8237.33	-
<b>Grand Total</b>	q	18498.65	106693.62	125192.28	-
					-
<b>Fodder Production (Atlas.)</b>					
Dry Fodder	q	373398.67			-
Green Fodder	q				-
<b>Fuel Production</b>					
					-
Arhar+Mustard+Til Plants	q	19899.44			-
<b>Over all Cropping Intensity</b>		109.44			

*Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)*

It was observed that the productivity of wheat, gram, mustard, arhar and linseed was about 66, 37, 33,49 and 26 per cent, respectively, less than the average of last 10 years crop yield (*Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation*). productivity of the state of Uttar Pradesh.

### 3.4 Agroforestry and Horticulture

There is no systematic agroforestry and orchard in the project area, however, few scattered trees of desi ber, aonla, guava, kathal, etc. was found in the micro-watersheds which is consumed locally (Table 3.9).

**Table 3.9: Agroforestry and Horticulture Status in Micro-watershed**

S. N.	Name of micro watershed with code	Name of village	Name of Important horticultural crop						
			Orchard				Scattered Fruit Crop		
			Name	Area ha.	Productivity qtl/ha	Production qtls	No.	Productivity qtl/No.	Production qtls
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijpur	-	-	-	-	32	0.26	8.32
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhaurikala	-	-	-	-	40	0.25	10.00
3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol	-	-	-	-	27	0.23	6.21
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura, Chikharam Imaliya	-	-	-	-	39	0.21	8.19
5	Karhara kala (2C1B3d3b)	Dayalpura, Milten Gang, Karhara kala, Bagren	-	-	-	-	41	0.26	10.66
6	Supa (2C1B3d3c)	Milten gang, Jordan Gang, Supa	-	-	-	-	48	0.28	13.44
7	Bagraun (2C1B3d3d)	Bagraun, Chikhara, Nathupura	-	-	-	-	30	0.31	9.30
8	Bamrara (2C1B3d2a)	Bamhauri kala, Bamrara, Imaliya	-	-	-	-	33	0.28	9.24
9	Sohjana (2C1B3d2b)	Bamrara, Sohjana	-	-	-	-	39	0.24	9.36
10	Itawa (2C1B3d2c)	Itawa, Berikhera, Sohjana, Nathupura	-	-	-	-	36	0.31	11.16
11	Majhol (2C1B3d2d)	Itawa, Nathupura, Majhol	-	-	-	-	38	0.32	12.16
12	Nathupura (2C1B3d2f)	Nathupura, Majhol, Kurara dang	-	-	-	-	29	0.28	8.12

13	Imaliya dang (2C1B3d2g)	Roshanpura, Imaliya, Nathupura, Bamrara, Sohjana	-	-	-	-	41	0.26	10.66
14	Jarauli 2C1A3p2b	Jarauli, Andhaua, Tisauni	-	-	-	-	30	0.26	7.8
15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul	-	-	-	-	38	0.25	9.5
16	Guda-I 2C1A3p2d	Guda, Lhipuri	-	-	-	-	25	0.23	5.75
17	Guda-II 2C1A3p2e	Guda, Lhipuri	-	-	-	-	37	0.21	7.77
18	Akthauonha 2C1A3p2f	Akthauha Guda	-	-	-	-	39	0.26	10.14
19	Asthaun 2C1A3p2g	Akthauha, Rainpur, Asthaun Charkhari	-	-	-	-	46	0.28	12.88
20	Asthaun 2C2A3n1a	Asthaun, Akthauha Chedimu	-	-	-	-	28	0.31	8.68
21	Luhari 2C1A3w1a	Luhari, Akthauha Chedimu	-	-	-	-	31	0.28	8.68
22	Rampura Kadeem 2C1A3w1b	Chhedimau, Rampura, Kad eem	-	-	-	-	37	0.24	8.88
23	Ghutwai 2C1A3n2e	Rainpur, Akthauha Udayap ura, Lhipuri, Ghutwai	-	-	-	-	26	0.25	6.5
<b>Total</b>							<b>810</b>	<b>(Average) 0.26</b>	<b>213.4</b>
( Scattered fruit plant of Papaya, Kathal, Ber, Aonla, Guava, etc)									

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

### 3.5 Livestock and Fisheries

Majorly of the course of breed mostly desi cow are prevalent in the project area. The productivity of livestock in Project area is significantly lower than the average productivity of the state. Livestock and its productivity details are available in Table 3.10 and 3.11, respectively.

**Table 3.10: Livestock Population (no.) in IWMP-XIX, Mahoba**

Sr . N o.	Name of Micro watershed with code	Name of Village	Cow		Buffalo		Ox/ Bull	Goat	She ep	Pigge ries	Poultry		
			Desi	Crossed	Desi	Murrah					Broi ler	Lay ers	Total
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijpur	209	16	142	18	25	720	12	10	-	21	1173
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhaurikala	204	18	142	16	24	710	15	12	-	26	1167
3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol	199	17	138	16	26	691	17	11	-	24	1139
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura, Chikharam Imaliya	212	19	150	15	30	739	15	15	-	23	1218
5	Karhara kala (2C1B3d3b)	Dayalpura, Milten Gang, Karhara kala, Bagren	192	12	127	18	32	652	12	14	-	21	1080
6	Supa (2C1B3d3c)	Milten gang, Jordan Gang, Supa	265	20	186	17	45	912	18	12	-	35	1510
7	Bagraun (2C1B3d3d)	Bagraun, Chikhara, Nathupura	162	18	111	17	12	576	15	10	-	21	942
8	Bamrara (2C1B3d2a)	Bamhauri kala, Bamrara, Imaliya	203	16	137	19	14	700	10	15	-	26	1140
9	Sohjana (2C1B3d2b)	Bamrara, Sohjana	151	17	105	15	23	537	11	10	-	35	904
10	Itawa	Itawa, Berikhera,	175	14	119	16	14	604	14	14	-	24	994

	(2C1B3d2c)	Sohjana, Nathupura											
11	Majhol (2C1B3d2d)	Itawa, Nathupura, Majhol	113	16	75	17	12	412	15	13	-	19	692
12	Nathupura (2C1B3d2f)	Nathupura, Majhol, Kurara dang	147	12	99	14	15	508	13	15	-	26	849
13	Imaliya dang (2C1B3d2g)	Roshanpura, Imaliya, Nathupura, Bamrara, Sohjana	174	18	118	19	20	614	14	14	-	24	1015
14	Jarauli 2C1A3p2b	Jarauli, Andhaua, Tisauni	123	15	55	7	30	621	9	11	-	12	883
15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul	84	14	36	8	25	441	7	13	-	14	642
16	Guda-I 2C1A3p2d	Guda, Lhipuri	106	12	46	7	24	531	6	12	-	12	756
17	Guda-II 2C1A3p2e	Guda, Lhipuri	143	15	65	6	26	711	8	14	-	11	999
18	Akthauonha 2C1A3p2f	Akthauha Guda	116	14	55	4	28	585	9	15	-	15	841
19	Asthaun 2C1A3p2g	Akthauha, Rainpur, Asthaun Charkhari	221	21	102	8	27	108	7	12	-	13	519
20	Asthaun 2C2A3n1a	Asthaun, Akthauha Chedimu	127	15	58	6	26	639	9	11	-	11	902
21	Luhari 2C1A3w1a	Luhari, Akthauha Chedimu	112	14	48	9	25	567	8	10	-	10	803
22	Rampura Kadeem 2C1A3w1b	Chhedimau, Rampura Kadeem	108	10	46	7	23	531	10	14	-	14	763
23	Ghutwai 2C1A3n2e	Rainpur, Akthauha Udayapura, Lhipuri, Ghutwai	180	20	82	8	24	900	9	13	-	12	1248
	<b>Total</b>		<b>3726</b>	<b>363</b>	<b>2242</b>	<b>287</b>	<b>550</b>	<b>14009</b>	<b>263</b>	<b>290</b>	<b>0</b>	<b>449</b>	<b>22179</b>

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Table 3.11: Productivity of livestock in IWMP-XIX, Mahoba**

SN	Name of Micro watershed with code	Name of Village	Milk Production (Liter Per day)				Goatry	Poultry	
			Cows		Buffalos			Weight in Kg/goat	Broiler Weight in Kg/ Brl
			Desi	Crossed	Desi	Murrah			
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Briipur	1.3	5.7	2.2	5.3	22.0	-	168.0
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhaurikala	1.3	5.9	2.4	5.9	21.0	-	165.0
3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol	1.2	5.2	2.6	5.7	24.0	-	165.0
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura, Chikharam Imaliya	1.4	5.4	3.0	5.9	21.0	-	186.0
5	Karhara kala (2C1B3d3b)	Dayalpura, Milten Gang, Karhara kala, Bagren	1.6	5.3	3.2	5.8	26.0	-	168.0
6	Supa (2C1B3d3c)	Milten gang, Jordan Gang, Supa	1.2	5.8	2.7	5.7	25.0	-	180.0
7	Bagraun (2C1B3d3d)	Bagraun, Chikhara, Nathupura	1.1	5.4	3.0	5.8	23.0	-	172.0
8	Bamrara (2C1B3d2a)	Bamhauri kala, Bamrara, Imaliya	1.0	6.0	3.1	5.9	21.0	-	174.0
9	Sohjana (2C1B3d2b)	Bamrara, Sohjana	1.3	5.6	3.3	6.4	23.0	-	184.0
10	Itawa (2C1B3d2c)	Itawa, Berikhera, Sohjana, Nathupura	1.2	5.4	2.6	5.4	21.0	-	187.0
11	Majhol (2C1B3d2d)	Itawa, Nathupura, Majhol	1.3	5.9	2.5	6.9	25.0	-	175.0
12	Nathupura (2C1B3d2f)	Nathupura, Majhol, Kurara dang	1.2	5.7	2.1	6.1	24.0	-	168.0
13	Imaliya dang (2C1B3d2g)	Roshanpura, Imaliya, Nathupura, Bamrara, Sohjana	1.1	5.6	2.8	5.2	26.0	-	175.0
14	Jarauli 2C1A3p2b	Jarauli, Andhaua, Tisauni	1.4	6.4	3.8	7.4	29.0	-	185

15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul	1.5	7.0	3.2	6.6	28.0	-	198
16	Guda-I 2C1A3p2d	Guda, Lhipuri	1.3	7.3	3.6	7.6	25.0	-	189
17	Guda-II 2C1A3p2e	Guda, Lhipuri	1.4	7.2	3.7	7.4	23.0	-	191
18	Akthauonha 2C1A3p2f	Akthauha Guda	1.5	6.7	4.0	7.0	28.0	-	202
19	Asthaun 2C1A3p2g	Akthauha,Rainpur, AsthaunCharkhari	1.6	6.9	3.7	7.2	26.0	-	191
20	Asthaun 2C2A3n1a	Asthaun, AkthauhaChedimu	1.4	7.0	3.2	6.8	25.0	-	193
21	Luhari 2C1A3w1a	Luhari, Akthauha Chedimu	1.6	7.4	3.4	7.2	26.0	-	180
22	Rampura Kadeem 2C1A3w1b	Chhedimau,Rampura,Kadeem	1.8	6.2	3.5	7.0	31.0	-	200
23	Ghutwai 2C1A3n2e	Rainpur,AkthauhaUdayapura, Lhipuri, Ghutwai	1.4	6.5	3.6	6.5	23.0	-	193
	<b>Average</b>		<b>1.35</b>	<b>6.15</b>	<b>3.10</b>	<b>6.38</b>	<b>24.61</b>	<b>-</b>	<b>182.13</b>

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

### 3.6 Forest and Grassland

There is no grassland available in the project area, however, information on naturally generated/grown degraded forest is given in Table 3.12.

**Table 3.12: Forest, vegetative cover/grassland in IWMP-XIX, Mahoba**

Sr. No	Name & Code of Micro watershed	Name of Village	Forest (Area ha)			Grassland (Area ha)		Other vegetative cover (Area ha)	
			Reserve	Gram Samaj (Natural /Planted)	Total	Gram Samaj	Private	Gram Samaj	Private
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijpur	-	-	-	5.64	-	2.48	1.98
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhaurikala	-	-	-	5.15	-	2.35	1.48

3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol	-	-	-	5.34	-	2.65	2.15
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura, Chikharam Imaliya	-	-	-	5.29	-	2.48	2.15
5	Karhara kala (2C1B3d3b)	Dayalpura, Milten Gang, Karhara kala, Bagren	-	-	-	4.68	-	2.61	2.12
6	Supa (2C1B3d3c)	Milten gang, Jordan Gang, Supa	-	-	-	6.15	-	2.15	2.18
7	Bagraun (2C1B3d3d)	Bagraun, Chikhara, Nathupura	-	-	-	4.18	-	2.48	2.97
8	Bamrara (2C1B3d2a)	Bamhauri kala, Bamrara, Imaliya	-	-	-	5.92	-	2.61	2.18
9	Sohjana (2C1B3d2b)	Bamrara, Sohjana	-	-	-	6.14	-	2.84	2.34
10	Itawa (2C1B3d2c)	Itawa, Berikhera, Sohjana, Nathupura	-	-	-	4.35	-	2.95	1.94
11	Majhol (2C1B3d2d)	Itawa, Nathupura, Majhol	-	-	-	3.15	-	2.18	1.95
12	Nathupura (2C1B3d2f)	Nathupura, Majhol, Kurara dang	-	-	-	3.25	-	1.95	1.74
13	Imaliya dang (2C1B3d2g)	Roshanpura, Imaliya, Nathupura, Bamrara, Sohjana	-	-	-	3.15	-	1.84	1.48
14	Jarauli 2C1A3p2b	Jarauli, Andhaua, Tisauni	-	-	-	5.26	-	1.28	1.39
15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul	-	-	-	6.18	-	1.39	2.15
16	Guda-I 2C1A3p2d	Guda, Lhipuri	-	-	-	5.48	-	2.31	2.14
17	Guda-II 2C1A3p2e	Guda, Lhipuri	-	-	-	5.64	-	2.16	1.48
18	Akthauonha 2C1A3p2f	Akthauha Guda	-	-	-	6.94	-	2.16	2.18
19	Asthaun 2C1A3p2g	Akthauha, Rainpur, AsthaunCharkhari	-	-	-	5.94	-	2.16	2.13
20	Asthaun 2C2A3n1a	Asthaun, AkthauhaChedimu	-	-	-	5.48	-	2.13	2.18
21	Luhari 2C1A3w1a	Luhari, Akthauha Chedimu	-	-	-	6.38	-	2.13	2.18

22	Rampura Kadeem 2C1A3w1b	Chhedimau,Rampura,Kadeem	-	-	-	6.48	-	1.94	1.84
23	Ghutwai 2C1A3n2e	Rainpur,AkthauhaUdayapura, Lhipuri, Ghutwai	-	-	-	6.42	-	1.84	2.41
	<b>Total</b>					<b>122.59</b>	<b>-</b>	<b>51.07</b>	<b>46.74</b>

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

### 3.7 Livelihood Status

Assetless/landless people earn their livelihood mainly from labour and *batai* (shared cropping). They earn about Rs. 3000/per month by shared cropping. It is expected that their income will enhance due to watershed management as it will generate shared cropping and employment opportunity on sustainable basis. Intervention related to piggeries, fisheries, black smith and carpentry are not in general practice. Livelihood status of landless, farmers and interventions based livelihood status are shown in Table 3.13, 3.14 and 3.15, respectively.

**Table 3.13: Livelihood Status of Landless People**

Sr. No.	Name & Code of micro watershed	Name of Village	Name of Livelihood Activity	No. of house hold engaged				Pre project Average Income / Year	Desired Activities	Expected Income from desired activities Rs/Year	Remarks
				Sc	Other	Women	Total				
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijpur	Labour/ Batai	3	5	1	9	25,000-30,000	The landless people can increase their income by adoting one or	50,000-55,000	Income may be increased by about two times
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhaurikala		2	4	1	7				
3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol		2	3	1	6				
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura, Chikharam Imaliya		3	6	1	10				
5	Karhara kala (2C1B3d3b)	Dayalpura, Milten Gang, Karhara kala, Bagren		3	4	1	8				
6	Supa (2C1B3d3c)	Milten gang, Jordan Gang,		4	9	2	15				

		Supa									
7	Bagraun (2C1B3d3d)	Bagraun, Chikhara, Nathupura		1	4	0	5				
8	Bamrara (2C1B3d2a)	Bamhauri kala, Bamrara, Imaliya		3	5	1	9				
9	Sohjana (2C1B3d2b)	Bamrara, Sohjana		2	5	1	8				
10	Itawa (2C1B3d2c)	Itawa, Berikhara, Sohjana, Nathupura		2	4	1	7				
11	Majhol (2C1B3d2d)	Itawa, Nathupura, Majhol		1	4	0	5				
12	Nathupura (2C1B3d2f)	Nathupura, Majhol, Kurara dang		2	5	1	8				
13	Imaliya dang (2C1B3d2g)	Roshanpura, Imaliya, Nathupura, Bamrara, Sohjana		1	4	1	6				
14	Jarauli 2C1A3p2b	Jarauli, Andhaua, Tisauni		2	6	2	10				
15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul		2	6	1	9				
16	Guda-I 2C1A3p2d	Guda, Lhipuri		2	6	2	10				
17	Guda-II 2C1A3p2e	Guda, Lhipuri		3	7	2	12				
18	Akthauonha 2C1A3p2f	Akthauha, Guda		1	6	1	8				
19	Asthaun 2C1A3p2g	Akthauha, Rainpur, Asthaun, Charkhari		4	11	2	17				
20	Asthaun 2C2A3n1a	Asthaun, Akthauha, Chedimu		2	6	1	9				
21	Luhari 2C1A3w1a	Luhari, Akthauha, Chedimu		1	5	1	7				
22	Rampura Kadeem 2C1A3w1b	Chhedimau, Rampura Kadeem		1	5	1	7				
23	Ghutwai 2C1A3n2e	Rainpur, Akthauha, Udayapura, Lhipuri, Ghutwai		3	10	2	15				
	<b>Total</b>			<b>50</b>	<b>130</b>	<b>27</b>	<b>207</b>	<b>25,000-30,000</b>		<b>50,000-55,000</b>	

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Table 3.14: Details of Livelihood Status of the Farmers**

Sr. No.	Name & Code of micro watershed	Name of Village	Name of Livelihood Activity	No. of House hold engaged				Pre project Average Income	Desired Activities	Expected Income from desired activities	Remarks
				Sc	Other	Women	Total				
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijpur	Agriculture + A.H., Labour, Batai	62	294	10	366	40000-50000	Productivity could be enhance through natural resource conservation, livestock management and micro-enterprises	Income may be increased by about 30 to 40 per cent -	
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhaurikala		61	274	28	363				
3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol		60	270	24	354				
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura, Chikharam Imaliya		63	289	23	375				
5	Karhara kala (2C1B3d3b)	Dayalpura, Milten Gang, Karhara kala, Bagren		56	259	17	332				
6	Supa (2C1B3d3c)	Milten gang, Jordan Gang, Supa		78	358	24	460				
7	Bagraun (2C1B3d3d)	Bagraun, Chikhara, Nathupura		50	235	10	295				
8	Bamrara (2C1B3d2a)	Bamhauri kala, Bamrara, Imaliya		60	276	20	356				
9	Sohjana (2C1B3d2b)	Bamrara, Sohjana		46	212	14	272				
10	Itawa (2C1B3d2c)	Itawa, Berikhera, Sohjana, Nathupura		52	241	15	308				
11	Majhol (2C1B3d2d)	Itawa, Nathupura, Majhol		35	167	8	210				
12	Nathupura	Nathupura, Majhol,		43	204	10	257				

	(2C1B3d2f)	Kurara dang								
13	Imaliya dang (2C1B3d2g)	Roshanpura, Imaliya, Nathupura, Bamrara, Sohjana		53	248	13	314			
14	Jarauli 2C1A3p2b	Jarauli, Andhaua, Tisauni		61	261	13	335			
15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul		43	182	11	236			
16	Guda-I 2C1A3p2d	Guda, Lhipuri		52	221	12	285			
17	Guda-II 2C1A3p2e	Guda, Lhipuri		70	300	13	383			
18	Akthauonha 2C1A3p2f	Akthauha, Guda		58	247	12	317			
19	Asthaun 2C1A3p2g	Akthauha, Rainpur, Asthaun, Charkhari		108	460	20	588			
20	Asthaun 2C2A3n1a	Asthaun, Akthauha, Chedimu		64	272	10	346			
21	Luhari 2C1A3w1a	Luhari, Akthauha, Chedimu		56	241	11	308			
22	Rampura Kadeem 2C1A3w1b	Chhedimau, Rampura Kadeem		53	225	10	288			
23	Ghutwai 2C1A3n2e	Rainpur, Akthauha, Udayapura, Lhipuri, Ghutwai		89	382	14	485			
	<b>Total</b>			<b>1373</b>	<b>6118</b>	<b>342</b>	<b>7833</b>	40000- 50000	-	55,000- 65,000

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Table 3.15: Present Livelihood Status (No. of households/Income per year) in IWMP-XIX, Mahoba**

Income in Rs

Sr . No	Name of MWS with code	Name of village	Activities																			
			Dairy		Poultry		Goatry		Piggeries		Fisheries		Black Smithy		Carpentry		Stitching / knitting		Wages		Agriculture	
			No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijpur	169	11,500-13,500	15	13,000-16,000	202	20000-25000	18	7500-9000	-	-	2	2000-4000	2	2500-4500	-	-	48	11,000-13,000	422	25,000-27,000
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhauri kala	167		24		200		12		-		3		1		-		45		317	
3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpur a, Majhol	165		13		198		15		-		1		3		-		57		265	
4	Maharajpura (2C1B3d3a)	Gopalpur a, Maharajpura, Chikharam Imaliya	120		18		144		8		-		5		2		-		40		157	
5	Karhara kala (2C1B3d3b)	Dayalpur a, Milten Gang, Karhara	180		13		216		12		-		2		4		-		49		209	

		kala, Bagren																		
6	Supa (2C1B3d3c)	Miltengang, Jordan Gang, Supa	105	0	12 6	1 0	-	1	3	-	51	223								
7	Bagraun (2C1B3d3d)	Bagraun, Chikhara , Nathupura	130	9	15 6	1 2	-	2	1	-	53	163								
8	Bamrara (2C1B3d2a)	Bamhauri kala, Bamrara, Imaliya	126	1 2	15 1	1 4	-	4	2	-	58	203								
9	Sohjana (2C1B3d2b)	Bamrara, Sohjana	163	1 2	19 5	1 5	-	3	2	-	52	264								
10	Itawa (2C1B3d2c)	Itawa, Berikhera, Sohjana, Nathupura	155	1 0	18 6	1 2	-	2	1	-	54	348								
11	Majhol (2C1B3d2d)	Itawa, Nathupura, Majhol	198	8	23 7	1 4	-	2	3	-	48	265								
12	Nathupura (2C1B3d2f)	Nathupura, Majhol, Kurara dang	147	0	17 6	1 0	-	4	2	-	46	248								
13	Imaliya dang	Roshanpura,	125	1 5	15 0	8	-	1	1	-	49	245								

	(2C1B3d2g)	Imaliya, Nathupura, Bamrara, Sohjana																		
14	Jarauli 2C1A3p2b	Jarauli, Andhaua, Tisauni	134	15	-	15	-	2	2	-	41	256								
15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul	130	24	-	20	-	2	4	-	44	209								
16	Guda-I 2C1A3p2d	Guda, Lhipuri	141	20	-	18	-	1	3	-	47	223								
17	Guda-II 2C1A3p2e	Guda, Lhipuri	102	0	-	17	-	2	1	-	34	163								
18	Akthauona 2C1A3p2f	Akthauha Guda	126	26	-	12	-	1	2	-	42	203								
19	Asthaun 2C1A3p2g	Akthauha, Rainpur, Asthaun Charkhari	163	30	-	31	-	3	2	-	55	264								
20	Asthaun 2C2A3n1a	Asthaun, Akthauha Chedimu	264	25	-	19	-	2	2	-	88	422								
21	Luhari 2C1A3w1a	Luhari, Akthauha Chedimu	198	18	-	10	-	3	1	-	66	317								
22	Rampura Kadeem 2C1A3w1b	Chhedimau, Rampura, Kadeem	165	15	-	28	-	1	3	-	55	265								
23	Ghutwai 2C1A3n2e	Rainpur, Akthauha	97	-	-	6	-	5	2	-	33	157								

		Udayapura, Lhipuri, Ghutwai																				
	<b>Total</b>		<b>3470</b>	<b>11,500-13,500</b>	<b>32</b>	<b>13,000-16,000</b>	<b>2337</b>	<b>20000-25000</b>	<b>336</b>	<b>7500-9000</b>	<b>-</b>	<b>-</b>	<b>54</b>	<b>2000-4000</b>	<b>49</b>	<b>2500-4500</b>	<b>-</b>	<b>-</b>	<b>1155</b>	<b>11,000-13,000</b>	<b>5808</b>	<b>25,000-27,000</b>

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

### 3.8 Hydrology, Water resources and Soil and moisture Conservation

Shallow dug wells are the only means of irrigation in the area and these wells support only for life saving irrigation. In general, irrigation interval is low due to low water holding capacity of the soils. In the name of soil and moisture conservation only field bund Use of micro-irrigation is almost nil in the area. Groundwater status, irrigation status and source are given in Table 3.16, 3.17 and 3.18, respectively.

**Table 3.16: Ground Water Status in IWMP-XIX, Mahoba**

Sr. No.	Name & Code of Micro watershed	Name of Village	Depth of Ground Water Table (Below Ground level) in Meter		No. of Observation well	Remarks
			Before Monsoon	After Monsoon		
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijpur	Avrg.13.48	Avrg.11.32	06	-
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhaurikala	Avrg.15.47	Avrg.12.16	08	-
3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol	Avrg.12.18	Avrg.09.34	07	-
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura, Chikharam Imaliya	Avrg.14.95	Avrg. 12.34	05	-
5	Karhara kala (2C1B3d3b)	Dayalpura, Milten Gang, Karhara kala, Bagren	Avrg.14.13	Avrg.11.35	06	-
6	Supa (2C1B3d3c)	Milten gang, Jordan Gang, Supa	Avrg.13.95	Avrg.10.15	09	-
7	Bagraun (2C1B3d3d)	Bagraun, Chikhara, Nathupura	Avrg.15.14	Avrg.12.56	08	-
8	Bamrara (2C1B3d2a)	Bamhauri kala, Bamrara, Imaliya	Avrg.12.34	Avrg.09.12	07	-
9	Sohjana (2C1B3d2b)	Bamrara, Sohjana	Avrg.14.36	Avrg.11.38	06	

10	Itawa (2C1B3d2c)	Itawa, Berikhera, Sohjana, Nathupura	Avrg.15.16	Avrg.12.88	05	
11	Majhol (2C1B3d2d)	Itawa, Nathupura, Majhol	Avrg.12.38	Avrg.09.17	08	
12	Nathupura (2C1B3d2f)	Nathupura, Majhol, Kurara dang	Avrg.13.16	Avrg.10.09	07	
13	Imaliya dang (2C1B3d2g)	Roshanpura, Imaliya, Nathupura, Bamrara, Sohjana	Avrg.14.94	Avrg.11.31	09	
14	Jarauli 2C1A3p2b	Jarauli, Andhaua, Tisauni	Avrg.13.15	Avrg.10.75	08	
15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul	Avrg.13.25	Avrg.11.45	06	
16	Guda-I 2C1A3p2d	Guda, Lhipuri	Avrg.13.45	Avrg.10.55	04	
17	Guda-II 2C1A3p2e	Guda, Lhipuri	Avrg.13.85	Avrg.11.25	05	
18	Akthauonha 2C1A3p2f	Akthauha Guda	Avrg.12.95	Avrg.10.55	06	
19	Asthaun 2C1A3p2g	Akthauha,Rainpur, AsthaunCharkhari	Avrg.13.25	Avrg.10.85	07	
20	Asthaun 2C2A3n1a	Asthaun, AkthauhaChedimu	Avrg.13.85	Avrg.10.35	09	
21	Luhari 2C1A3w1a	Luhari, Akthauha Chedimu	Avrg.12.85	Avrg.09.85	07	
22	Rampura Kadeem 2C1A3w1b	Chhedimau,Rampura,Kadeem	Avrg.13.95	Avrg.11.81	08	
23	Ghutwai 2C1A3n2e	Rainpur,AkthauhaUdayapura, Lhipuri, Ghutwai	Avrg.13.65	Avrg.10.85	06	
	<b>Average</b>		<b>12.18-15.47</b>	<b>09.12-12.88</b>	<b>157</b>	

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

Generally stony layer is observed at a depth ranging between 1-5 m in all districts of Bundelkhand in Uttar Pradesh except Jalaun and Hamirpur district. Depth of water table in open shallow dug wells in the project area was about 9.12-12-88 m during pre monsoon, however it was in the range of 12.18-15.47 m during post monsoon season.

**Table 3.17: Irrigation Status in IWMP-XIX, Mahoba**

Sr. No	Name & Micro Watershed with code	Name of Village	Gross Cultivated Area				Net Cultivated Area	Gross Irrigated Area				Net Irrigated Area (Life saving)	Rainfed Area
			Kharif	Rabi	Zaid	Total		Kharif	Rabi	Zaid	Total		
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijpur	313.28	492.95	-	806.23	755.66	-	120.90	-	120.90	120.90	634.75
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhaurikal a	281.96	466.01	-	747.97	711.70	-	113.87	-	113.87	113.87	597.83
3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol	309.58	440.94	-	750.52	703.60	-	112.58	-	112.58	112.58	591.02
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura, Chikharam Imaliya	238.59	616.99	-	855.58	808.63	-	129.38	-	129.38	129.38	679.25
5	Karhara kala (2C1B3d3b)	Dayalpura, Milten Gang, Karhara kala, Bagren	268.48	474.60	-	743.08	682.06	-	109.13	-	109.13	109.13	572.93
6	Supa (2C1B3d3c)	Milten gang, Jordan Gang, Supa	394.29	614.60	-	1008.89	947.22	-	151.56	-	151.56	151.56	795.67
7	Bagraun (2C1B3d3d)	Bagraun, Chikhara,	234.00	368.92	-	602.92	593.03	-	94.89	-	94.89	94.89	498.15

	)	Nathupura											
8	Bamrara (2C1B3d2a)	Bamhauri kala, Bamrara, Imaliya	311.92	505.46	-	817.38	750.10	-	120.02	-	120.02	120.02	630.09
9	Sohjana (2C1B3d2b )	Bamrara, Sohjana	199.10	369.32	-	568.42	549.49	-	87.92	-	87.92	87.92	461.57
10	Itawa (2C1B3d2c)	Itawa, Berikhera, Sohjana, Nathupura	291.31	505.52	-	796.83	770.20	-	96.12	-	96.12	96.12	674.08
11	Majhol (2C1B3d2d )	Itawa, Nathupura, Majhol	165.80	270.03	-	435.83	415.54	-	66.49	-	66.49	66.49	349.05
12	Nathupura (2C1B3d2f)	Nathupura, Majhol, Kurara dang	212.59	355.17	-	567.76	529.32	-	84.69	-	84.69	84.69	444.63
13	Imaliya dang (2C1B3d2g )	Roshanpura, Imaliya, Nathupura, Bamrara, Sohjana	229.93	443.36	-	673.29	637.95	-	102.07	-	102.07	102.07	535.88
14	Jarauli 2C1A3p2b	Jarauli, Andhaua, Tisauni	299.78	469.88	-	769.66 1	688.79	-	113.65	-	113.65	113.65	575.14
15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul	204.28	368.04	-	572.31 6	466.28	-	76.94	-	76.94	76.94	389.34
16	Guda-I 2C1A3p2d	Guda, Lhipuri	192.87	362.13	-	555.00 5	450.57	-	74.34	-	74.34	74.34	376.23
17	Guda-II	Guda,	275.78	477.36	-	753.14	646.98	-	106.75	-	106.75	106.75	540.23

	2C1A3p2e	Lhipuri				4							
18	Akthauonha 2C1A3p2f	Akthauha Guda	221.66	400.45	-	622.10 7	508.18	-	83.85	-	83.85	83.85	424.33
19	Asthaun 2C1A3p2g	Akthauha, Rainpur, Asthaun Charkhari	400.42	747.09	-	1147.5 1	943.25	-	155.64	-	155.64	155.64	787.62
20	Asthaun 2C2A3n1a	Asthaun, Akthauha Chedimu	82.03	143.26	-	225.29 4	189.48	-	31.26	-	31.26	31.26	158.22
21	Luhari 2C1A3w1a	Luhari, Akthauha Chedimu	212.45	408.12	-	620.57 2	503.47	-	83.07	-	83.07	83.07	420.39
22	Rampura Kadeem 2C1A3w1b	Chhedimau, Rampura Kadeem	92.26	163.26	-	255.51 6	213.13	-	35.17	-	35.17	35.17	177.96
23	Ghutwai 2C1A3n2e	Rainpur, Akthauha Udayapura, Lhipuri, Ghutwai	311.35	591.13	-	902.47 9	746.42	-	123.16	-	123.16	123.16	623.26
	<b>Total</b>		<b>5743.7 1</b>	<b>10054.5 9</b>	-	<b>15798. 3</b>	<b>14211.05</b>	-	<b>2273.4 5</b>	-	<b>2273.4 5</b>	<b>2273.45</b>	<b>11937.6 2</b>

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

**Table 3.18: Source wise Area Irrigated in IWMP-XIX, Mahoba (area in ha)**

Sr. No.	Name & Micro watershed with code	Name of Village	Canal Area	State Tube wells		Tanks		Open well		Bore wells		Lift irrigation		Others (Specify)		Total Irrigated Area	Rem.
				No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area		
1	Bragpur (2C1B3d1a)	Bamhauri kala, Siyor, Brijjpur	-	-	-	4	12.09	25	60.45	3	6.65	-	24.18	-	-	120.90	Availability of water from these sources are mainly dependant upon rainfall and its distribution pattern. Therefore, these are not assured source of irrigation
2	Bamhauri kala (2C1B3d1b)	Imaliya, Bamhauri kala	-	-	-	3	11.39	21	56.94	3	6.26	-	22.77	-	-	113.87	
3	Kurara dang (2C1B3d1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol	-	-	-	4	11.26	26	56.29	3	6.19	-	22.52	-	-	112.58	
4	Maharajpura (2C1B3d3a)	Gopalpura, Maharajpura, Chikharam Imaliya	-	-	-	4	12.94	24	64.69	4	7.12	-	25.88	-	-	129.38	
5	Karhara kala (2C1B3d3b)	Dayalpura, Milten Gang, Karhara kala, Bagren	-	-	-	3	10.91	25	54.56	3	6.00	-	21.83	-	-	109.13	
6	Supa (2C1B3d3c)	Milten gang, Jordan	-	-	-	6	15.16	30	75.78	5	8.34	-	30.31	-	-	151.56	

		Gang, Supa															
7	Bagraun (2C1B3d3 d)	Bagraun, Chikhara, Nathupura	-	-	-	3	9.49	25	47.44	2	5.22	-	18.98	-	-	94.89	
8	Bamrara (2C1B3d2a )	Bamhauri kala, Bamrara, Imaliya	-	-	-	4	12.00	26	60.01	3	6.60	-	24.00	-	-	120.02	
9	Sohjana (2C1B3d2 b)	Bamrara, Sohjana	-	-	-	3	8.79	20	43.96	2	4.84	-	17.58	-	-	87.92	
10	Itawa (2C1B3d2c )	Itawa, Berikhera, Sohjana, Nathupura	-	-	-	3	9.61	20	48.06	3	5.29	-	19.22	-	-	96.12	
11	Majhol (2C1B3d2 d)	Itawa, Nathupura, Majhol	-	-	-	2	6.65	18	33.24	2	3.66	-	13.30	-	-	66.49	
12	Nathupura (2C1B3d2f )	Nathupura, Majhol, Kurara dang	-	-	-	3	8.47	21	42.35	2	4.66	-	16.94	-	-	84.69	
13	Imaliya dang (2C1B3d2 g)	Roshanpura, Imaliya, Nathupura, Bamrara, Sohjana	-	-	-	4	10.21	24	51.04	3	5.61	-	20.41	-	-	102.07	
14	Jarauli 2C1A3p2b	Jarauli, Andhaua, Tisauni	-	-	-	2	11.36	27	56.82	3	22.7 3	-	22.73	-	-	113.65	
15	Anghaura 2C1A3p2c	Pratistha, Andhaua, Ragaul	-	-	-	3	7.69	31	38.47	4	15.3 9	-	15.39	-	-	76.94	

16	Guda-I 2C1A3p2d	Guda, Lhipuri	-	-	-	3	7.43	30	37.17	4	14.8 7	-	14.87	-	-	74.34
17	Guda-II 2C1A3p2e	Guda, Lhipuri	-	-	-	2	10.68	24	53.38	3	21.3 5	-	21.35	-	-	106.75
18	Akthauonh a 2C1A3p2f	Akthauha, Guda	-	-	-	3	8.38	30	41.92	4	16.7 7	-	16.77	-	-	83.85
19	Asthaun 2C1A3p2g	Akthauha, Rainpur, Asthaun Charkhari	-	-	-	3	15.56	39	77.82	5	31.1 3	-	31.13	-	-	155.64
20	Asthaun 2C2A3n1a	Asthaun, Akthauha Chedimu	-	-	-	3	3.13	30	15.63	4	6.25	-	6.25	-	-	31.26
21	Luhari 2C1A3w1a	Luhari, Akthauha Chedimu	-	-	-	3	8.31	33	41.54	4	16.6 1	-	16.61	-	-	83.07
22	Rampura Kadeem 2C1A3w1b	Chhedimau, Rampura Kadeem	-	-	-	2	3.52	25	17.58	3	7.03	-	7.03	-	-	35.17
23	Ghutwai 2C1A3n2e	Rainpur, Akthauha Udayapura, Lhipuri, Ghutwai	-	-	-	3	12.32	36	61.58	4	24.6 3	-	24.63	-	-	123.16
	<b>Total</b>		-	-	-	<b>73</b>	<b>227.3 5</b>	<b>61 0</b>	<b>1136.7 2</b>	<b>76</b>	<b>253. 2</b>	<b>0</b>	<b>454.6 8</b>	-	-	<b>2273.45</b>

Source: Participatory Rural Appraisal by PIA, (Soil Conservation Division, Charkhari, Mahoba, U.P.)

## CHAPTER – 4

### INSTITUTIONAL BUILDING AND PROJECT MANAGEMENT

#### 4.1 Project Implementing Agency

The Project Implementing Agency (PIA) is Soil Conservation Officer, Department of Agriculture, IWMP-XIX, Charkhari, Mahoba, Uttar Pradesh. The PIA was given responsibility to develop the micro-watershed by Watershed Cell and Data Centre (WCDC) and State Level Nodal Agency (SLNA) considering its vast experiences in handling land and water management issues in the region. The PIA has well experienced trained and sufficient staff to handle the watershed management programme efficiently. Most of the staff of PIA has exposure of several watershed projects. In addition the PIA has access for technical backstopping from the ICAR viz. IGFRI and NRCAF at Jhansi and KVK located at Mahoba. Details of PIA are presented in subsequent section.

**Table 4.1: Details of Project Implementing Agency (PIA), IWMP-XIX, Mahoba**

<b>Sr. No.</b>	<b>Particulars of PIA</b>	
<b>(i)</b>	Date of selection of PIA	
<b>(ii)</b>	Type of organization	U.P. Government
<b>(iii)</b>	Name of organization	Soil Conservation Division, Deptt. of Agriculture
<b>(iv)</b>	Principal Implementing Agency & Address	Soil Conservation Officer, Charkhari, Mahoba
<b>(v)</b>	Telephone	8005174865
<b>(vi)</b>	Fax	
<b>(vii)</b>	E-mail	

**Table 4.2: Details of Staff at PIA, IWMP-XIX, Mahoba**

<b>Sr. No.</b>	<b>Designation</b>	<b>Name</b>	<b>M/F</b>	<b>Qualification</b>	<b>Field of Experience &amp; Period</b>	<b>Remarks</b>
1	B.S.A.	Shri Vikas Sachan	M	M.Sc. Ag.		-
2	S.T.A.	Shri Paras Kaur	M	A.G.+ Civil Eng.	19	-
3	Junior Engineer	Shri Hanshilal Prakash verma	M	Ag. Diploma.	28	-
4	Junior Engineer	Shri Dinesh Singh	M	Ag. Diploma	24	-
5	Junior Engineer	Shri Pc Singh	M	Ag. Diploma	40	-
6	T.A. (B)	Shri Jagdeesh Prasad	M	Inter And Ag. Diploma.	32	-
7	T.A. (C)	Shri Mithlesh Kumar Mishra	M	B.A. And Ag. Diploma	14	-
8	T.A. (B)	Shri Ramswaroop Verma	M	Inter. Ag. Diploma	34	-
9	T.A. (B)	Shri Teekaram Chawdhri	M	High School, Diploma	314	-
10	T.A. (B)	Shri Mohanlal Verma	M	M. Sc. Ag.	30	-
11	T.A. (C)	Shri Ramhet Rajpoot	M	M. Sc. Ag.	24	-
12	T.A. (C)	Shri K.G. Kushwaha	M	B. Sc. Ag.	31	-
13	T.A. (C)	Shri Chandrabhan Singh	M	M. Sc. Ag.	31	-
14	T.A. (C)	Shri Jalendhar Nath	M	B. Sc. Ag.	29	-
15	T.A. (C)	Shri Jagveer Singh	M	High School, Diploma	33	-
16	T.A. (C)	Shri Jagdeesh Sahai	M	High School, Diploma	14	-
17	T.A. (C)	Shri Sukhdev Tiwari	M	Inter. Diploma	32	-
18	T.A. (C)	Shri Shivnath Singh	M	B. Sc. Ag.	28	-
19	T.A. (C)	Shri Narendra Hit	M	High School, Diploma	32	-
20	T.A. (C)	Shri Narendra kumar	M	M. Sc. Ag.	19	-
21	T.A.(C)	Kaalicharan	M		29	
22	T.A.(C)	Ram Narendra Singh	M	B. Sc. Ag.	31	
23	T.A.(C)	Bihari Lal	M	B. Sc Ag.	24	
24	T.A.(C)	Ramnarayan Singh	M	B.Sc. Ag.	28	
25	T.A.(C)	Premnarayan	M	High School, Diploma	19	
26	Varisth Seechpaal	ShivShankar Yadav	M	Inter.	39	

27	Varisth Seechpaal	Harnarayan	M	Inter.	32	
28	MaanChitralak	Harishchandra	M	Inter. , I.T.I.	8	
29	Anurekhak	Ajay Kumar	M	Inter.	33	
30	Deepchalak	Maanchand Rajpoot	M	B.A.	21	
31	Fourth Class	Shrimati Jamuna Devi	F		18	
32	Fourth Class	R.A. Diwedi	M	M.A.	11	
33	Fourth Class	Radheshyam	M	High School	21	

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

**Project- IWMP XIX**

**PIA- BSA, Charkhari, Mahoba**

**District – Mahoba**

Sr. No.	Name of WDT member	M/F	Age	Qualification / Experience	Description of professional training	Role/ Function	Date of appointment of WDT member
1.	P. Ram	M	50	Diploma (Civil)	All the members are having work experience of watershed management.	WDT members will be accountable for the activities mentioned in Common Guidelines for watershed Development Projects 2008	25.11.2011
2.	Dinesh Pal Singh	M	49	Diploma			
3.	R. S. Verma	M	54	B.Sc. (Ag)			
4.	Km. Kusumlata	F	27	M.Sc (Social Sciences)			

**Table 4.4: Details of Watershed Committee (WC)- Gram Panchyat wise  
Jal Sanrakshan Samiti- Brijpur,  
District- Mahoba**

**Gram Panchayat: Brijpur**

**Name of Project:- IWMP- XIX**

Sl. No.	Name of Gram Sabha / GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	M/F	SC	ST	OBC	Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educational qualification	Function(s) assigned		
1	Brijpur	10.10.11	President	M	-	-	Y	-	-	-	-	-	-	-	-	Y	5 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Development Projects 2008	
			Secretary	M	-	-	-	Y	-	-	-	-	-	-	-	-	-		10 <sup>TH</sup>
			Team leader	M	Y	-	-	-	-	-	Y	-	-	-	Y	-	-		Diploma Ag
			Member	M	-	-	Y	-	Y	-	-	-	-	-	-	-	-		8 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	-	-	-	-	-	-	-		8 <sup>TH</sup>
			Member	M	Y	-	-	-	-	-	-	-	Y	-	-	Y	-		5 <sup>TH</sup>
			Member	F	-	-	Y	-	Y	-	-	-	-	-	Y	-	-		5 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	-	-	-	-	Y	-	Y		5 <sup>TH</sup>
			Member	M	Y	-	-	-	-	-	-	-	-	Y	-	Y	-		8 <sup>TH</sup>
			Member	M	-	-	-	Y	-	-	-	-	-	-	Y	-	-		8 <sup>TH</sup>
Member	M	-	-	Y	-	-	-	-	-	-	-	-	-	-	8 <sup>TH</sup>				

Male-M, Female-F, Schedule caste- SC, Schedule tribe- ST, Other backward clan- OBC, General- Gen, Small farmer- SF, Medium farmer-MF, Large farmer- LF, User Group- UG, Self help Group-SHG, Gram Panchayat Member- GP

Jal Sanrakshan Samiti: Imaliya Dang,  
District- Mahoba

Gram Panchayat: Imaliya Dang

Name of Project:- IWMP- XIX

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	M/F	S/C	S/T	OBC	Gen	SF	M/F	L/F	Land-less	U/G	SH/G	G/P	Educational qualification	Function(s) assigned			
2	Imaliya Dang	13.10.11	President	M	-	-	Y	-	-	-	Y	-	-	-	-	-	5 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Development Projects 2008		
			Secretary	M	-	-	-	Y	Y	-	-	-	-	-	-	-	-		B.A	
			Team Leader	M	Y	-	-	-	-	Y	-	-	-	-	-	-	-		B.Sc AG	
			Member	M	-	-	Y	-	Y	-	-	-	-	Y	-	-	-		8 <sup>TH</sup>	
			Member	M	-	-	Y	-	-	-	-	-	-	-	-	-	-		10 <sup>TH</sup>	
			Member	M	-	-	-	-	-	-	-	-	Y	-	-	-	-		8 <sup>TH</sup>	
			Member	F	-	-	-	Y	Y	Y	-	-	-	-	Y	-	-		8 <sup>TH</sup>	
			Member	M	-	-	Y	-	Y	-	-	-	-	-	Y	-	-		8 <sup>TH</sup>	
			Member	M	Y	-	-	-	-	-	-	Y	-	Y	-	-	-		-	5 <sup>TH</sup>
			Member	M	-	-	Y	-	Y	-	-	-	-	-	-	-	-		-	5 <sup>TH</sup>
Member	M	-	-	-	Y	-	-	-	-	-	-	Y	-	Y	-	5 <sup>TH</sup>				

Jal Sanrakshan Samiti – Kurera Dang,  
District- Mahoba

Gram Panchayat: Kurera Dang

Name of Project:- IWMP- XIX

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	SC	S T	O B C	Gen	SF	MF	LF	L and-les s	UG	SH G	GP	S C	Educa-tional qualificati on	Function( s) assigned		
3	Kurera Dang	11.10.11	President	-	-	-	Y	-	Y	-	-	-	-	-	-	5 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Development Projects 2008		
			Secretary	-	-	Y		-	Y	-	-	Y	-	-	-	-		B.A	
			Team leader	-	-	-	Y	-	-	-	-	-	-	-	-	-		B.Sc AG	
			Member	-	-	-	Y	-	Y	-	-	Y	-	-	-	-		8 <sup>TH</sup>	
			Member	-	-	Y	-	-	Y	-	-	-	-	-	-	-		10 <sup>TH</sup>	
			Member	Y	-	-	-	-	-	-	-	Y	-	Y	-	Y		8 <sup>TH</sup>	
			Member	-	-	Y	-	-	Y	-	-	-	-	-	-	-		8 <sup>TH</sup>	
			Member	-	-	Y	-	-	-	-	-	-	Y	-	Y	-		Y	5 <sup>TH</sup>
			Member	-	-	Y	-	-	-	-	Y	-	-	-	-	-		-	5 <sup>TH</sup>
			Member	-	-	Y	-	-	-	Y	-	-	-	-	Y	-		-	5 <sup>TH</sup>

Jal Sanrakshan Samiti – Karhara Kala,  
District- Mahoba

Gram Panchayat: Karhara Kala

Name of Project:- IWMP- XIX

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	M/F	S/C	S/T	OBC	Gen	SF	M/F	L/F	Land-less	U/G	SH/G	G/P	Educational qualification	Function(s) assigned			
4	Karhara Kala	28.10.11	President	M	Y	-	-	-	-	Y	-	-	-	-	Y	8 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Development Projects 2008			
			Secretary	M	-	-	Y	-	-	Y	-	-	-	Y	-	-		10 <sup>TH</sup>		
			Team leader	M	-	-	Y	-	-	-	-	-	-	-	-	-		Diploma Ag		
			Member	M	-	-	Y	-	Y	-	-	-	-	Y	-	-		8 <sup>TH</sup>		
			Member	M	-	-	Y	-	-	-	-	Y	-	Y	-	-		8 <sup>TH</sup>		
			Member	F	-	-	-	-	-	-	-	-	-	Y	-	Y		-	8 <sup>TH</sup>	
			Member	M	Y	-	-	-	-	Y	-	-	-	-	-	-		-	5 <sup>TH</sup>	
			Member	M	-	-	Y	-	-	-	Y	-	-	-	Y	-		-	5 <sup>TH</sup>	
			Member	F	Y	-	-	-	-	-	-	-	-	-	Y	-		Y	-	8 <sup>TH</sup>
			Member	M	-	-	-	Y	-	-	Y	-	-	-	-	-		-	8 <sup>TH</sup>	
Member	M	-	-	-	Y	-	-	Y	-	-	-	-	-	-	8 <sup>TH</sup>					

Jal Sanrakshan Samiti – Supa  
District- Mahoba

Gram Panchayat: Supa

Name of Project:- IWMP- XIX

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	M/F	S/C	S/T	OBC	Gen	SF	M/F	L/F	Land-less	U/G	SH/G	G/P	Educational qualification	Function(s) assigned		
5	Supa	29.10.11	President	M	-	-	-	Y	-	Y	-	-	-	-	-	10 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Development Projects 2008		
			Secretary	M	-	-	Y		-	Y	-	-	-	Y	-	-		10 <sup>TH</sup>	
			Team leader	M	-	-	-	Y	-	-	-	-	-	-	-	-		Diploma Ag	
			Member	M	-	-	-	Y	-	-	Y	-	-	-	Y	-		-	10 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	Y	-	-	-	-	-		-	10 <sup>TH</sup>
			Member	M	Y	-	-	-	-	-	-	-	-	Y	-	Y		-	B.A
			Member	M	-	-	Y	-	-	-	Y	-	-	-	-	-		-	5 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	-	-	-	Y	-	Y		-	5 <sup>TH</sup>
			Member	F	Y	-	-	-	-	-	Y	-	-	-	Y	-		-	8 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	-	Y	-	-	-	-		-	8 <sup>TH</sup>
Member	M	-	-	Y	-	-	-	Y	-	-	-	Y	-	-	8 <sup>TH</sup>				

Jal Sanrakshan Samiti - Bagroun,  
District- Mahoba

Gram Panchayat: Bagroun

Name of Project:- IWMP- XIX

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registrati on as a Society (dd/mm/ yyyy)	Designatio n	M/ F	S C	S T	OBC	Gen	SF	M F	L F	Land -less	U G	SH G	G P	Educa- tional qualificati on	Function( s) assigned		
6	Bagroun	28.10.11	President	M	-	-	-	Y	-	Y	-	-	Y	-	Y	12 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Developm ent Projects 2008		
			Secretary	M	-	-	Y	-	-	Y	-	-	-	-	-	-		10 <sup>TH</sup>	
			Team leader	M	-	-	Y	-	-	-	-	-	-	-	-	-		Diploma Ag	
			Member	M	-	-	Y	-	-	Y	-	-	-	Y	-	-		8 <sup>TH</sup>	
			Member	M	-	-	Y	-	-	Y	-	-	-	-	-	-		8 <sup>TH</sup>	
			Member	M	Y	-	-	-	-	Y	-	-	-	-	Y	-		-	8 <sup>TH</sup>
			Member	M	-	-	-	Y	-	-	-	Y	-	-	-	-		-	8 <sup>TH</sup>
			Member	M	-	-	-	Y	Y	-	-	-	-	-	Y	-		-	8 <sup>TH</sup>
			Member	F	-	-	Y	-	-	-	-	-	-	Y	-	Y		-	10 <sup>TH</sup>
			Member	M	Y	-	-	-	-	-	-	-	-	Y	-	Y		-	5 <sup>TH</sup>
Member	M	-	-	Y	-	-	-	-	Y	-	-	Y	-	-	5 <sup>TH</sup>				

Jal Sanrakshan Samiti – Bamhouri Kala,  
District- Mahoba

Gram Panchayat: Bamhouri Kala

Name of Project:- IWMP- XIX

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registrati on as a Society (dd/mm/ yyyy)	Designatio n	M/ F	S C	S T	OBC	Gen	SF	M F	L F	Land -less	U G	SH G	G P	Educa- tional qualificati on	Function( s) assigned		
7	Bamho uri Kala	29.10.11	President	M	-	-	-	Y	-	Y	-	-	-	-	-	10 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Development Projects 2008		
			Secretary	M	-	-	Y		-	Y	-	-	Y	-	-	10 <sup>TH</sup>			
			Team leader	M	-	-	-	Y	-	-	-	-	-	-	-	Diploma Ag			
			Member	M	-	-	-	Y	-	-	Y	-	-	Y	-	-		10 <sup>TH</sup>	
			Member	M	-	-	Y	-	-	-	Y	-	-	-	-	-		10 <sup>TH</sup>	
			Member	M	Y	-	-	-	-	-	-	-	-	Y	-	Y		-	B.A
			Member	M	-	-	Y	-	-	-	Y	-	-	-	-	-		5 <sup>TH</sup>	
			Member	M	-	-	Y	-	-	-	-	-	-	Y	-	Y		-	5 <sup>TH</sup>
			Member	F	Y	-	-	-	-	Y	-	-	-	-	Y	-		-	8 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	-	Y	-	-	-	-		-	8 <sup>TH</sup>
Member	M	-	-	Y	-	-	-	Y	-	-	-	Y	-	-	8 <sup>TH</sup>				

Jal Sanrakshan Samiti - Bamarar,  
District- Mahoba

Gram Panchayat: Bamarar

Name of Project:- IWMP- XIX

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registrati on as a Society (dd/mm/ yyyy)	Designatio n	M/ F	S C	S T	OBC	Gen	SF	M F	L F	Land -less	U G	SH G	G P	Educa- tional qualificati on	Function( s) assigned		
8	Bamar ar	29.10.11	President	M	-	-	-	Y	-	Y	-	-	-	-	-	10 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Developm ent Projects 2008		
			Secretary	M	-	-	Y		-	Y	-	-	Y	-	-	10 <sup>TH</sup>			
			Team leader	M	-	-	-	Y	-	-	-	-	-	-	-	Diploma Ag			
			Member	M	-	-	-	Y	-	-	Y	-	-	Y	-	-		10 <sup>TH</sup>	
			Member	M	-	-	Y	-	-	-	Y	-	-	-	-	10 <sup>TH</sup>			
			Member	M	Y	-	-	-	-	-	-	-	-	Y	-	Y		B.A	
			Member	M	-	-	Y	-	-	-	Y	-	-	-	-	-		5 <sup>TH</sup>	
			Member	M	-	-	Y	-	-	-	-	-	-	Y	-	Y		5 <sup>TH</sup>	
			Member	F	Y	-	-	-	-	Y	-	-	-	-	Y	-		-	8 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	-	Y	-	-	-	-		-	8 <sup>TH</sup>
Member	M	-	-	Y	-	-	-	Y	-	-	-	Y	-	-	8 <sup>TH</sup>				

Jal Sanrakshan Samiti - Sohjana,  
District- Mahoba

Gram Panchayat: Sohjana

Name of Project:- IWMP- XIX

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registrati on as a Society (dd/mm/ yyyy)	Designatio n	M/ F	S C	S T	OBC	Gen	SF	M F	L F	Land -less	U G	SH G	G P	Educa- tional qualificati on	Function( s) assigned		
9	Sohjan a	29.10.11	President	M	-	-	-	Y	-	Y	-	-	-	-	-	-	10 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Developm ent Projects 2008	
			Secretary	M	-	-	Y		-	Y	-	-	-	Y	-	-	-		10 <sup>TH</sup>
			Team leader	M	-	-	-	Y		-	-	-	-	-	-	-	-		Diploma Ag
			Member	M	-	-	-	Y		-	Y	-	-	-	Y	-	-		10 <sup>TH</sup>
			Member	M	-	-	Y		-	-	Y	-	-	-	-	-	-		10 <sup>TH</sup>
			Member	M	Y	-	-		-	-	-	-	-	Y	-	Y	-		B.A
			Member	M	-	-	Y		-	-	Y	-	-	-	-	-	-		5 <sup>TH</sup>
			Member	M	-	-	Y		-	-	-	-	-	Y	-	Y	-		5 <sup>TH</sup>
			Member	F	Y	-	-		-	Y	-	-	-	-	Y	-	-		8 <sup>TH</sup>
			Member	M	-	-	Y		-	-	Y	-	-	-	-	-	-		8 <sup>TH</sup>
Member	M	-	-	Y		-	Y	-	-	-	-	Y	-	-	8 <sup>TH</sup>				

Jal Sanrakshan Samiti - Fatehpur,  
District- Mahoba

Gram Panchayat: Fatehpur

Name of Project:- IWMP- XIX

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registrati on as a Society (dd/mm/ yyyy)	Designatio n	M/ F	S C	S T	OBC	Gen	SF	M F	L F	Land -less	U G	SH G	G P	Educa- tional qualificati on	Function( s) assigned		
10	Fatehp ur	29.10.11	President	M	-	-	-	Y	-	Y	-	-	-	-	-	-	10 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Developm ent Projects 2008	
			Secretary	M	-	-	Y		-	Y	-	-	-	Y	-	-	-		10 <sup>TH</sup>
			Team leader	M	-	-	-	Y	-	-	-	-	-	-	-	-	-		Diploma Ag
			Member	M	-	-	-	Y	-	-	Y	-	-	-	Y	-	-		10 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	Y	-	-	-	-	-	-		10 <sup>TH</sup>
			Member	M	Y	-	-	-	-	-	-	-	-	Y	-	Y	-		B.A
			Member	M	-	-	Y	-	-	-	Y	-	-	-	-	-	-		5 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	-	-	-	Y	-	Y	-		5 <sup>TH</sup>
			Member	F	Y	-	-	-	-	Y	-	-	-	-	Y	-	-		8 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	-	Y	-	-	-	-	-		8 <sup>TH</sup>
Member	M	-	-	Y	-	-	-	Y	-	-	-	Y	-	-	8 <sup>TH</sup>				

Jal Sanrakshan Samiti- Jarouli,  
District- Mahoba

Gram Panchayat: Jarouli

Name of Project:- IWMP XIX

Sl. No .	Name of Gram Sabha / GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	M/F	S/C	S/T	OB/C	Gen	S/F	M/F	L/F	Land-less	U/G	SH/G	G/P	Educational qualification	Function(s) assigned		
11	Jarouli	10.10.11	President	M	-	-	Y	-	-	-	-	-	-	-	-	Y	5 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Development Projects 2008	
			Secretary	M	-	-	-	Y	-	-	-	-	-	-	-	-	-		10 <sup>TH</sup>
			Team leader	M	Y	-	-	-	-	-	Y	-	-	-	Y	-	-		Diploma Ag
			Member	M	-	-	Y	-	Y	-	-	-	-	-	-	-	-		8 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	-	-	-	-	-	-	-		8 <sup>TH</sup>
			Member	M	Y	-	-	-	-	-	-	Y	-	-	Y	-	-		5 <sup>TH</sup>
			Member	F	-	-	Y	-	Y	-	-	-	-	Y	-	-	-		5 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	-	-	-	-	Y	-	Y		5 <sup>TH</sup>
			Member	M	Y	-	-	-	-	-	-	-	-	Y	-	Y	-		8 <sup>TH</sup>
			Member	M	-	-	-	Y	-	-	-	-	-	-	Y	-	-		8 <sup>TH</sup>
Member	M	-	-	Y	-	-	-	-	-	-	-	-	-	-	8 <sup>TH</sup>				

Jal Sanrakshan Samiti =Andhoura,  
District- Mahoba

Gram Panchayat: Andhoura

Name of Project:- IWMP XIX

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	M/F	S/C	S/T	OBC	Gen	SF	M/F	L/F	Land-less	U/G	SH/G	G/P	Educational qualification	Function(s) assigned	
12	Andhoura	13.10.11	President	M	-	-	Y	-	-	-	Y	-	-	-	-	5 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Development Projects 2008	
			Secretary	M	-	-	-	Y	Y	-	-	-	-	-	-	-		B.A
			Team Leader	M	Y	-	-	-	-	Y	-	-	-	-	-	-		B.Sc AG
			Member	M	-	-	Y	-	Y	-	-	-	Y	-	-	8 <sup>TH</sup>		
			Member	M	-	-	Y	-	-	-	-	-	-	-	-	10 <sup>TH</sup>		
			Member	M	-	-	-	-	-	-	-	Y	-	-	-	8 <sup>TH</sup>		
			Member	F	-	-	-	Y	Y	Y	-	-	-	Y	-	8 <sup>TH</sup>		
			Member	M	-	-	Y	-	Y	-	-	-	-	Y	-	8 <sup>TH</sup>		
			Member	M	Y	-	-	-	-	-	Y	-	Y	-	-	5 <sup>TH</sup>		
			Member	M	-	-	Y	-	Y	-	-	-	-	-	-	5 <sup>TH</sup>		
Member	M	-	-	-	Y	-	-	-	-	-	-	Y	-	Y	5 <sup>TH</sup>			

Jal Sanrakshan Samiti -Gudha, Gram Panchayat: Gudha  
Mahoba

Name of Project:- IWMP XIX

District-

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	SC	ST	OB C	Gen	SF	MF	LF	L and-les s	UG	SH G	GP	S C	Educa-tional qualificati on	Function( s) assigned	
13	Gudha	11.10.11	President	-	-	-	Y	-	Y	-	-	-	-	-	-	5 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Development Projects 2008	
			Secretary	-	-	Y		-	Y	-	-	Y	-	-	-	-		B.A
			Team leader	-	-	-	Y	-	-	-	-	-	-	-	-	-		B.Sc AG
			Member	-	-	-	Y	-	Y	-	-	Y	-	-	-	-		8 <sup>TH</sup>
			Member	-	-	Y	-	-	-	-	Y	-	-	-	-	-		10 <sup>TH</sup>
			Member	Y	-	-	-	-	-	-	-	Y	-	Y	-	Y		8 <sup>TH</sup>
			Member	-	-	Y	-	-	-	-	Y	-	-	-	-	-		8 <sup>TH</sup>
			Member	-	-	Y	-	-	-	-	-	-	Y	-	-	Y		5 <sup>TH</sup>
			Member	-	-	Y	-	-	-	-	-	Y	-	-	-	-		5 <sup>TH</sup>
			Member	-	-	Y	-	-	-	-	Y	-	-	-	Y	-		5 <sup>TH</sup>

Jal Sanrakshan Samiti - Asthon,  
Mahoba

Gram Panchayat: Asthon

Name of Project:- IWMP XIX

District-

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	M/F	S/C	S/T	OBC	Gen	SF	M/F	L/F	Land-less	U/G	SH/G	G/P	Educational qualification	Function(s) assigned		
14	Asthon	28.10.11	President	M	Y	-	-	-	-	Y	-	-	-	-	Y	8 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Development Projects 2008		
			Secretary	M	-	-	Y	-	-	Y	-	-	-	Y	-	-		10 <sup>TH</sup>	
			Team leader	M	-	-	Y	-	-	-	-	-	-	-	-	-		Diploma Ag	
			Member	M	-	-	Y	-	Y	-	-	-	-	Y	-	-		8 <sup>TH</sup>	
			Member	M	-	-	Y	-	-	-	-	Y	-	Y	-	-		8 <sup>TH</sup>	
			Member	F	-	-	-	-	-	-	-	-	-	Y	-	Y		-	8 <sup>TH</sup>
			Member	M	Y	-	-	-	-	Y	-	-	-	-	-	-		-	5 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	Y	-	-	-	Y	-		-	5 <sup>TH</sup>
			Member	F	Y	-	-	-	-	-	-	-	-	Y	-	Y		-	8 <sup>TH</sup>
			Member	M	-	-	-	Y	-	Y	-	Y	-	-	-	-		-	8 <sup>TH</sup>
Member	M	-	-	-	Y	-	Y	-	Y	-	-	-	-	-	8 <sup>TH</sup>				

**Jal Sanrakshan Samiti –Luhari,  
District- Mahoba**

**Gram Panchayat: Luhari**

**Name of Project:- IWMP XIX**

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	M/F	S/C	S/T	OBC	Gen	SF	M/F	L/F	Land-less	U/G	SH/G	G/P	Educational qualification	Function(s) assigned		
15	Luhari	29.10.11	President	M	-	-	-	Y	-	Y	-	-	-	-	-	10 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Development Projects 2008		
			Secretary	M	-	-	Y		-	Y	-	-	-	Y	-	-		10 <sup>TH</sup>	
			Team leader	M	-	-	-	Y	-	-	-	-	-	-	-	-		Diploma Ag	
			Member	M	-	-	-	Y	-	-	Y	-	-	-	Y	-		-	10 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	Y	-	-	-	-	-		-	10 <sup>TH</sup>
			Member	M	Y	-	-	-	-	-	-	-	-	Y	-	Y		-	B.A
			Member	M	-	-	Y	-	-	-	Y	-	-	-	-	-		-	5 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	-	-	-	Y	-	Y		-	5 <sup>TH</sup>
			Member	F	Y	-	-	-	-	-	Y	-	-	-	Y	-		-	8 <sup>TH</sup>
			Member	M	-	-	Y	-	-	-	-	Y	-	-	-	-		-	8 <sup>TH</sup>
Member	M	-	-	Y	-	-	-	Y	-	-	-	Y	-	-	8 <sup>TH</sup>				

Jal Sanrakshan Samiti - Sabuwa,  
District- Mahoba

Gram Panchayat: Sabuwa

Name of Project:- IWMP XIX

Sl. No .	Name of Gram Sabha/ GP	Date of Constitution/ Registrati on as a Society (dd/mm/ yyyy)	Designatio n	M/ F	S C	S T	OBC	Gen	SF	M F	L F	Land -less	U G	SH G	G P	Educa- tional qualificati on	Function( s) assigned		
16	Ghutbai	28.10.11	President	M	-	-	-	Y	-	Y	-	-	Y	-	Y	12 <sup>TH</sup>	WC will act as per Common Guidelines for watershed Developm ent Projects 2008		
			Secretary	M	-	-	Y	-	-	Y	-	-	-	-	-	-		10 <sup>TH</sup>	
			Team leader	M	-	-	Y	-	-	-	-	-	-	-	-	-		Diploma Ag	
			Member	M	-	-	Y	-	-	Y	-	-	-	Y	-	-		8 <sup>TH</sup>	
			Member	M	-	-	Y	-	-	Y	-	-	-	-	-	-		8 <sup>TH</sup>	
			Member	M	Y	-	-	-	-	Y	-	-	-	-	Y	-		-	8 <sup>TH</sup>
			Member	M	-	-	-	Y	-	-	-	Y	-	-	-	-		8 <sup>TH</sup>	
			Member	M	-	-	-	Y	Y	-	-	-	-	-	Y	-		-	8 <sup>TH</sup>
			Member	F	-	-	Y	-	-	-	-	-	-	Y	-	Y		-	10 <sup>TH</sup>
			Member	M	Y	-	-	-	-	-	-	-	-	Y	-	Y		-	5 <sup>TH</sup>
Member	M	-	-	Y	-	-	-	-	Y	-	-	Y	-	-	5 <sup>TH</sup>				

*Note: Formation of SHGs and UGs is in progress. Few SHGs were already constituted which details are kept in project file. Process is initiated for opening of account for watershed committees and SHGs already constituted.*

**Table 4.5: Village wise details of Self Help Groups (SHGs) in the project area IWMP- XIX  
Project- IWMP XIX**

**District – Mahoba**

Sr. No	Name of MWS	Names of villages	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs	
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total		
1	Bragpur (2C1B3d 1a)	Bamhauri kala, Siyor, Brijpur	1	0	1	2	(i) Landless	4	2	6	0	0	0	4	2	6	These SHGs were formed during the month of February to April. Bye-laws of the SHGs were prepared and kept in the project file. Process to open the accounts in	
							(ii) SF	6	3	9	0	0	0	6	3	9		
							(iii) MF	4	2	5	0	0	0	4	2	5		
							(iv) LF	-	-	-	-	-	-	-	-	-		-
							<b>Total</b>	<b>14</b>	<b>6</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>6</b>	<b>20</b>		
2	Bamhauli kala (2C1B3d 1b)	Imaliya, Bamhauri kala	3	1	1	5	(i) Landless	11	5	15	3	1	5	11	5	15		
							(ii) SF	16	7	23	5	2	7	16	7	23		
							(iii) MF	9	4	13	3	1	4	9	4	13		
							(iv) LF	-	-	-	-	-	-	-	-	-		
							<b>Total</b>	<b>35</b>	<b>15</b>	<b>50</b>	<b>11</b>	<b>4</b>	<b>15</b>	<b>35</b>	<b>15</b>	<b>50</b>		
3	Kurara dang (2C1B3d 1c)	Nathupura, Imaliya, Kurara Dang, Dayalpura, Majhol	1	0	1	2	(i) Landless	4	2	6	1	1	2	4	2	6		
							(ii) SF	6	3	9	2	1	3	6	3	9		
							(iii) MF	4	2	5	1	0	2	4	2	5		
							(iv) LF	-	-	-	-	-	-	-	-	-		
							<b>Total</b>	<b>14</b>	<b>6</b>	<b>20</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>14</b>	<b>6</b>	<b>20</b>		

4	Maharajpura (2C1B3d 3a)	Gopalpura, Maharajpura, Chikharam Imaliya	3	1	2	6	(i) Landless	13	5	18	4	2	5	13	5	18	Gramin bank (service bank) has been initiated
							(ii) SF	19	8	27	6	2	8	19	8	27	
							(iii) MF	11	5	15	3	1	5	11	5	15	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>42</b>	<b>18</b>	<b>60</b>	<b>13</b>	<b>5</b>	<b>18</b>	<b>42</b>	<b>18</b>	<b>60</b>	
5	Karhara kala (2C1B3d 3b)	Dayalpura, Milten Gang, Karhara kala, Bagren	2	1	1	4	(i) Landless	8	4	12	3	1	4	8	4	12	
							(ii) SF	13	5	18	4	2	5	13	5	18	
							(iii) MF	7	3	10	2	1	3	7	3	10	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>28</b>	<b>12</b>	<b>40</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>28</b>	<b>12</b>	<b>40</b>	
6	Supa (2C1B3d 3c)	Milten gang, Jordan Gang, Supa	4	1	2	7	(i) Landless	15	6	21	4	2	6	15	6	21	
							(ii) SF	22	9	32	7	3	9	22	9	32	
							(iii) MF	12	5	18	4	2	5	12	5	18	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>49</b>	<b>21</b>	<b>70</b>	<b>15</b>	<b>6</b>	<b>21</b>	<b>49</b>	<b>21</b>	<b>70</b>	
7	Bagraun (2C1B3d 3d)	Bagraun, Chikhara, Nathupura	2	1	1	4	(i) Landless	8	4	12	3	1	4	8	4	12	
							(ii) SF	13	5	18	4	2	5	13	5	18	
							(iii) MF	7	3	10	2	1	3	7	3	10	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>28</b>	<b>12</b>	<b>40</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>28</b>	<b>12</b>	<b>40</b>	
8	Bamrara (2C1B3d 2a)	Bamhauri kala, Bamrara, Imaliya	3	1	1	5	(i) Landless	11	5	15	3	1	5	11	5	15	
							(ii) SF	16	7	23	5	2	7	16	7	23	
							(iii) MF	9	4	13	3	1	4	9	4	13	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>35</b>	<b>15</b>	<b>50</b>	<b>11</b>	<b>5</b>	<b>15</b>	<b>35</b>	<b>15</b>	<b>50</b>	

9	Sohjana (2C1B3d 2b)	Bamrara, Sohjana	2	1	-	3	(i) Landless	6	3	9	2	1	3	6	3	9
							(ii) SF	9	4	14	3	1	4	9	4	14
							(iii) MF	5	2	8	2	1	2	5	2	8
							(iv) LF	-	-	-	-	-	-	-	-	-
							<b>Total</b>	<b>21</b>	<b>9</b>	<b>30</b>	<b>6</b>	<b>3</b>	<b>9</b>	<b>21</b>	<b>9</b>	<b>30</b>
10	Itawa (2C1B3d 2c)	Itawa, Berikhera, Sohjana, Nathupura	1	0	2	3	(i) Landless	6	3	9	2	1	3	6	3	9
							(ii) SF	9	4	14	3	1	4	9	4	14
							(iii) MF	5	2	8	2	1	2	5	2	8
							(iv) LF	-	-	-	-	-	-	-	-	-
							<b>Total</b>	<b>21</b>	<b>9</b>	<b>30</b>	<b>6</b>	<b>3</b>	<b>9</b>	<b>21</b>	<b>9</b>	<b>30</b>
11	Majhol (2C1B3d 2d)	Itawa, Nathupura, Majhol	1	0	1	2	(i) Landless	4	2	6	1	1	2	4	2	6
							(ii) SF	6	3	9	2	1	3	6	3	9
							(iii) MF	4	2	5	1	0	2	4	2	5
							(iv) LF	-	-	-	-	-	-	-	-	-
							<b>Total</b>	<b>14</b>	<b>6</b>	<b>20</b>	<b>4</b>	<b>4</b>	<b>6</b>	<b>14</b>	<b>6</b>	<b>20</b>
12	Nathupur a (2C1B3d 2f)	Nathupura, Majhol, Kurara dang	1	0	1	2	(i) Landless	4	2	6	1	1	2	4	2	6
							(ii) SF	6	3	9	2	1	3	6	3	9
							(iii) MF	4	2	5	1	0	2	4	2	5
							(iv) LF	-	-	-	-	-	-	-	-	-
							<b>Total</b>	<b>14</b>	<b>6</b>	<b>20</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>14</b>	<b>6</b>	<b>20</b>
13	Imaliya dang (2C1B3d 2g)	Roshanpur a, Imaliya, Nathupura, Bamrara, Sohjana	3	1	1	5	(i) Landless	11	5	15	3	1	5	11	5	15
							(ii) SF	16	7	23	5	2	7	16	7	23
							(iii) MF	9	4	13	3	1	4	9	4	13
							(iv) LF	-	-	-	-	-	-	-	-	-
							<b>Total</b>	<b>35</b>	<b>15</b>	<b>50</b>	<b>11</b>	<b>5</b>	<b>15</b>	<b>35</b>	<b>15</b>	<b>50</b>
14	Jarauli 2C1A3p2 b	Jarauli, Andhaua, Tisauni	8	2	2	5	(i) Landless	11	5	15	3	1	5	11	5	15
							(ii) SF	16	7	23	5	2	7	16	7	23
							(iii) MF	9	4	13	3	1	4	9	4	13

							(iv) LF	-	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>35</b>	<b>15</b>	<b>50</b>	<b>11</b>	<b>5</b>	<b>15</b>	<b>35</b>	<b>15</b>	<b>50</b>		
15	Anghaura 2C1A3p2 c	Pratistha, Andhaua, Ragaul	3	1	1	6	(i) Landless	13	5	18	4	2	5	13	5	18		
							(ii) SF	19	8	27	6	2	8	19	8	27		
							(iii) MF	11	5	15	3	1	5	11	5	15		
							(iv) LF	-	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>42</b>	<b>18</b>	<b>60</b>	<b>13</b>	<b>5</b>	<b>18</b>	<b>42</b>	<b>18</b>	<b>60</b>		
16	Guda-I 2C1A3p2 d	Guda, Lhipuri	4	1	1	7	(i) Landless	15	6	21	4	2	6	15	6	21		
							(ii) SF	22	9	32	7	3	9	22	9	32		
							(iii) MF	12	5	18	4	2	5	12	5	18		
							(iv) LF	-	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>49</b>	<b>21</b>	<b>70</b>	<b>15</b>	<b>6</b>	<b>21</b>	<b>49</b>	<b>21</b>	<b>70</b>		
17	Guda-II 2C1A3p2 e	Guda, Lhipuri	1	1	-	6	(i) Landless	13	5	18	4	2	5	13	5	18		
							(ii) SF	19	8	27	6	2	8	19	8	27		
							(iii) MF	11	5	15	3	1	5	11	5	15		
							(iv) LF	-	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>42</b>	<b>18</b>	<b>60</b>	<b>13</b>	<b>5</b>	<b>18</b>	<b>42</b>	<b>18</b>	<b>60</b>		
18	Akthauon ha 2C1A3p2 f	Akthauha, Guda	2	1	1	7	(i) Landless	15	6	21	4	2	6	15	6	21		
							(ii) SF	22	9	32	7	3	9	22	9	32		
							(iii) MF	12	5	18	4	2	5	12	5	18		
							(iv) LF	-	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>49</b>	<b>21</b>	<b>70</b>	<b>15</b>	<b>6</b>	<b>21</b>	<b>49</b>	<b>21</b>	<b>70</b>		
19	Asthaun 2C1A3p2 g	Akthauha, Rainpur, Asthaun Charkhari	2	1	1	7	(i) Landless	15	6	21	4	2	6	15	6	21		
							(ii) SF	22	9	32	7	3	9	22	9	32		
							(iii) MF	12	5	18	4	2	5	12	5	18		
							(iv) LF	-	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>49</b>	<b>21</b>	<b>70</b>	<b>15</b>	<b>6</b>	<b>21</b>	<b>49</b>	<b>21</b>	<b>70</b>		

20	Asthaun 2C2A3n1 a	Asthaun, Akthauha Chedimu	3	1	1	5	(i) Landless	11	5	15	3	1	5	<b>11</b>	<b>5</b>	<b>15</b>
							(ii) SF	16	7	23	5	2	7	<b>16</b>	<b>7</b>	<b>23</b>
							(iii) MF	9	4	13	3	1	4	<b>9</b>	<b>4</b>	<b>13</b>
							(iv) LF	-	-	-	-	-	-	-	-	-
							<b>Total</b>	<b>35</b>	<b>15</b>	<b>50</b>	<b>11</b>	<b>5</b>	<b>15</b>	<b>35</b>	<b>15</b>	<b>50</b>
21	Luhari 2C1A3w 1a	Luhari, Akthauha Chedimu	2	1	1	4	(i) Landless	8	4	12	3	1	4	<b>8</b>	<b>4</b>	<b>12</b>
							(ii) SF	13	5	18	4	2	5	<b>13</b>	<b>5</b>	<b>18</b>
							(iii) MF	7	3	10	2	1	3	<b>7</b>	<b>3</b>	<b>10</b>
							(iv) LF	-	-	-	-	-	-	-	-	-
							<b>Total</b>	<b>28</b>	<b>12</b>	<b>40</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>28</b>	<b>12</b>	<b>40</b>
22	Rampura Kadeem 2C1A3w 1b	Chhedimau , Rampura Kadeem	2	1	-	4	(i) Landless	8	4	12	3	1	4	<b>8</b>	<b>4</b>	<b>12</b>
							(ii) SF	13	5	18	4	2	5	<b>13</b>	<b>5</b>	<b>18</b>
							(iii) MF	7	3	10	2	1	3	<b>7</b>	<b>3</b>	<b>10</b>
							(iv) LF	-	-	-	-	-	-	-	-	-
							<b>Total</b>	<b>28</b>	<b>12</b>	<b>40</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>28</b>	<b>12</b>	<b>40</b>
23	Ghutwai 2C1A3n2 e	Rainpur, Akthauha Udayapura, Lhipuri, Ghutwai	2	1	1	5	(i) Landless	11	5	15	3	1	5	<b>11</b>	<b>5</b>	<b>15</b>
							(ii) SF	16	7	23	5	2	7	<b>16</b>	<b>7</b>	<b>23</b>
							(iii) MF	9	4	13	3	1	4	<b>9</b>	<b>4</b>	<b>13</b>
							(iv) LF	-	-	-	-	-	-	-	-	-
							<b>Total</b>	<b>35</b>	<b>15</b>	<b>50</b>	<b>11</b>	<b>5</b>	<b>15</b>	<b>35</b>	<b>15</b>	<b>50</b>
<b>Grand Total</b>			<b>58</b>	<b>18</b>	<b>30</b>	<b>106</b>		<b>742</b>	<b>318</b>	<b>1060</b>	<b>221</b>	<b>98</b>	<b>312</b>	<b>742</b>	<b>318</b>	<b>1060</b>

(M – Male, F – Female)

There are 38 villages in the project area and MWS wise and village in each micro watershed Self Help Groups (SHGs) constituted is given in Table 4.5. A total 106 SHGs were already formed in the project villages, of them, 58 are men SHGs, 18 women SHGs and 30 mixed SHGs, respectively. Total 1060 SHGs would be formed to ensure the livelihood of marginalized population in the project. Formation of remaining 98 SHGs is in progress. Livelihood Action Plan is given in Annexure-I.

#### 4.2: Details of Formation of User Groups (UGs)

User Groups were formed on the basis of beneficiaries of different natural resource conservation activities to be constructed in the watershed. The location of the activities/group mentioned in Table 4.6 can be seen on the proposed plan available in the map section.

**Table 4.6: Activity wise formation of user groups**

Name of Work	Benefited area (ha)	Field No.	Name of Adhyaksh	Name of Sachiv/ Treasurer	Activity Proposed	Location of the activity	Water storage in cum	Area Proposed for irrigation (ha)	user Charges (per ha)
<b>Village- Bamrara (2c1B3d3b)</b>									
CD1	1.841	1464	Kuldeep Singh	Shivram	Crop Production	1464			
CD2	4.989	996, 1021/2, 997	Rmabhavan	Kunvar Bahadur	Crop Production	996			
CD3	7.144	998	Prahlad	Shiv Lal	Crop Production	1021/2			
CD4	4.296	994/1, 994/2	Sukhnandan	Jagroop	Crop Production	994/1			
CD5	4.297	994/1	Samarjeet	Sabhajeet	Crop Production	994/1			
CD6	12.421	1484, 1487, 1488, 1500, 1501, 1503, 1504, 1525, 1526, 1527, 1529	Chunbad	Savitri	Crop Production	1488			
CD7	6.092	1558, 1568, 1560, 1570	Shivram	Ramnaresh	Crop Production	1568			
CD8	6.092	1582, 1577, 1578, 1579, 1580, 1583	Shivram	Ramvishal	Crop Production	1578			

CD9	8.868	1635, 1614, 1615, 1610, 1611, 1607, 1609, 1629, 1617, 1618, 1619	Ratifal	Chunbaad	Crop Production	1635			
CD10	6.985	1603, , 1584, 1593, 1594	Shiv	Pratap Singh	Crop Production	1603			
CD1	3.388	23	Devideen	Shiv Lal	Crop Production	23			
CD2	7.865	5, 37, 36, 34	Babu	Krishn Bihari	Crop Production	37			
CD3	6.873	5, 38, 36	Shivram	Savitri	Crop Production	36			
CD4	4.308	4, 3	Kunvar Bahadur	Ramnaresh	Crop Production	4			
CD5	3.714	3	Shiv Lal	Ramvishal	Crop Production	3			
CD1	5.076	259, 268, 266	Samarjeet	Sabhajeet	Crop Production	259			
CD2	5.304	260, 259, 262, 263, 261	Chunbad	Savitri	Crop Production	260			
CD1	9.762	599, 601, 602, 603, 604, 605, 606	Shivram	Ramnaresh	Crop Production	599			
CD2	3.589	593, 594	Shivram	Ramvishal	Crop Production	593			
CD3	13.001	775, 770, 771, 772, 773, 774	Ratifal	Chunbaad	Crop Production	775			
CD4	8.372	769, 768, 1 to 16	Shiv	Pratap Singh	Crop Production	769			
CD1	6.794	1293 to 1298,	Sukhnandan	Jagroop	Crop	1293			

		1323, 1300			Production				
CD2	17.489	1290, 1301, 1070	Samarjeet	Sabhajeet	Crop Production	1290			
CD3	12.904	1061, 1063, 1058/1/2	Sabhajeet	Samrjeet	Crop Production	1061			
<b>Village – Bamrara (2C1B3d2b)</b>									
CD1	6.985	265	Prahlad	Shiv Lal	Crop Production	265			
CD2	3.144	288	Sukhnandan	Jagroop	Crop Production	288			
CD3	5.798	307, 319, 406, 407	Samarjeet	Sabhajeet	Crop Production	307			
CD4	4.595	119 to 123	Sabhajeet	Samrjeet	Crop Production	119			
CD5	10.763	86, 87, 88, 96, 98, 100	Vardani	Ramgopal	Crop Production	86			
CD6	4.376	103, 115	Hira Lal	Ballu	Crop Production	103			
CD7	0.8	590	Shivkaran	Hira Lal	Crop Production	590			
CD8	11.054	338, 339, 344, 346 to 351, 364	Bhiya Lal	Bacchi	Crop Production	338			
CD9	5.363	323 to 328	Bhiyadeen	Swamideen	Crop Production	323			
CD10	5.412	606, 607, 608, 712, 713	Virendra Singh	Jaswant	Crop Production	606			
CD11	13.745	698 to 703, 707, 708, 697, 6836, 684	Ram Kumari	Gyan Babu	Crop Production	697			
CD12	5.167	667, 670, 1269	Vijay	Jaswant	Crop Production	667			
WHB1	9.811	308 to 317	Savitri	Jaswant	Crop	308			

					Production				
CD1	9.878	25, 26, 70 to 72	Ramnaresh	Brij Kishor	Crop Production	25			
CD2	9.587		Ramvishal	Shivram	Crop Production				
CD3	7.631	249 to 262	Chunbaad	Avadh Bihari	Crop Production	249			
<b>Village- Kuroara Daang (2C1B3d1a)</b>									
CD1	12.344	900 to 906	Samarjeet	Sabhajeet	Crop Production	900			
CD2	5.757	854, 855, 883	Sabhajeet	Samrjeet	Crop Production	854			
CD3	4.56	844 to 847	Vardani	Ramgopal	Crop Production	844			
CD1	2.773	628, 629	Hira Lal	Ballu	Crop Production	628			
<b>Village- Braipur (2C1B3d3a)</b>									
CD1	4.233	230, 231, 232, 228	Chunbad	Savitri	Crop Production	230			
CD2	15.582	204, 212, 213, 215, 211, 207, 216, 172, 174, 175, 185, 186	Shivram	Ramnaresh	Crop Production	204			
CD3	3.801	260, 261, 258, 243, 615, 264	Shivram	Ramvishal	Crop Production	260			
CD4	6.354	251 to 256, 245, 247 to 249, 246	Ratifal	Chunbaad	Crop Production	251			
CD5	14.685	349 to 356, 359 to 363, 367, 342 to 346, 332 to 335	Shiv	Pratap Singh	Crop Production	349			
CD6	4.328	429 to 432, 379,	Devideen	Shiv Lal	Crop	429			

		382, 383, 390, 382 to 387, 377			Production				
CD1	1.619	2203, 2206, 2207, 2208	Babu	Krishn Bihari	Crop Production	2203			
CD2	1.687	2196, 2193, 2194, 2184, 2185, 2163	Shivram	Savitri	Crop Production	2196			
CD3	1.946	2178, 2195, 2192, 2176, 1868, 1843 to 1846	Kunvar Bahadur	Ramnaresh	Crop Production	2178			
CD4	2.709	2147, 2148, 2141, 2171, 2161, 2164, 2165	Shiv Lal	Ramvishal	Crop Production	2147			
CD5	1.846	2156 to 2160	Samarjeet	Sabhajeet	Crop Production	2156			
CD6	7.09	559, 548, 547, 546, 556	Chunbad	Savitri	Crop Production	559			
<b>Village- Bamrara (2c1B3d2a)</b>									
CD1	19.725		Shivram	Ramvishal	Crop Production				
CD2	14.776	1355, 1356, 1357, 1359	Ratifal	Chunbaad	Crop Production	1355			
CD3	19.725	1365, 1366, 1367	Shiv	Pratap Singh	Crop Production	1365			
CD4	121.707	1377, 1378	Sukhnandan	Jagroop	Crop Production	1377			
CD5		1403, 1404, 1405,	Samarjeet	Sabhajeet	Crop Production	1403			
CD6		1397, 1389, 1388	Sabhajeet	Samrjeet	Crop Production	1397			

CD7		1465	Vardani	Ramgopal	Crop Production	1465			
CD8		52, 53, 54, 105	Jagdish	Ramnaresh	Crop Production	52			
CD9		1065, 66, 67, 1069	Bhoora	Ramvishal	Crop Production	1065			
CD10		1073, 1074, 1075	Uditnarayan	Chunbaad	Crop Production	1073			
CD11		10, 11, 27, 29, 30, 34, 36	Chunbad	Pratap Singh	Crop Production	10			
CD12		12, 13, 16, 18, 19	Shivram	Shiv Lal	Crop Production	12			
RCD1	22.821	1486, 1487, 1488, 1493, 1494, 1499	Shivram	Krishn Bihari	Crop Production	1494			
<b>Village- Bamrara, Roshan pura, Imaliya Daang (2c1B3d2g)</b>									
CD1	4.925	185, 183	Shiv	Ramgopal	Crop Production	185			
CD2	2.953	186, 188	Devideen	Natthu	Crop Production	186			
CD3	2.953	189, 190, 191	Babu	Hardayal Pratap	Crop Production	189			
CD4	16.897	200	Shivram	Bhoora	Crop Production	200			
CD5	9.851	237, 238, 242	Kunvar Bahadur	Dev Pratap	Crop Production	237			
CD6	3.940	195, 196	Shiv Lal	Shivram	Crop Production	195			
CD7	3.940	978	Jagroop	Kuldeep Singh	Crop Production	978			
CD8	5.925	160	Sabhajeet	Rmabhavan	Crop Production	160			

CD9	11.525	161	Samrjeet	Prahlad	Crop Production	161			
CD10	11.525	984	Ramgopal	Sukhnandan	Crop Production	984			
CD11	1.477	928, 930	Ballu	Samarjeet	Crop Production	930			
CD12	4.925	248, 249, 250, 246	Hira Lal	Chunbad	Crop Production	248			
CD13	4.925	235, 236, 247	Bacchi	Shivram	Crop Production	235			
RCD1	33.868	132to150	Jaswant	Ratifal	Crop Production	132			
RCD2	16.845	857to859	Chunbaad	Shiv	Crop Production	857			
RCD3	13.868	34, 36, 38,to46	Pratap Singh	Shivram	Crop Production	34			
RCD1		132to150	Jagroop	Shivram	Crop Production	132			
RCD2		857to859, 1030, 863to866	Sabhajeet	Ratifal	Crop Production	857			
RCD3		34, 36, 38to46	Samrjeet	Shiv	Crop Production	34			
<b>Village- Bamrara (2c1B3d3b)</b>									
CD1	1.493	249, 250	Ramnaresh	Babu	Crop Production	249			
CD2	3.326	238	Ramvishal	Shivram	Crop Production	238			
CD3	7.38	108 to 116, 104	Chunbaad	Kunvar Bahadur	Crop Production	108			
CD4	10.735	190 to 194	Pratap Singh	Shiv Lal	Crop Production	190			
CD5	7.485	201 to205, 142,	Shiv Lal	Samarjeet	Crop	201			

		148, 149			Production				
CD6	8.774	121to 131	Krishn Bihari	Chunbad	Crop Production	121			
CD7	15.177	135 to141,152, 144 to 147, 177	Ramnaresh	Bhoora	Crop Production	135			
CD1	11.182	85, 92	Ramvishal	Uditnarayan	Crop Production	85			
CD2	21.571	75-81, 93-96	Chunbaad	Chunbad	Crop Production	75			
CD3	6.571	133, 61, 78	Pratap Singh	Shivram	Crop Production	133			
CD4	10.722	63, 64	Shiv Lal	Shivram	Crop Production	63			
CD5	6.407	421, 423, 424, 47	Krishn Bihari	Ratifal	Crop Production	421			
CD6	10.311	425-427, 422, 446-449	Pratap Singh	Shiv	Crop Production	425			
CD7	2.293	473, 474	Ramgopal	Devideen	Crop Production	473			
CD8	15.331	4-19, 24	Natthu	Babu	Crop Production	24			
CD1	6.063	412, 415	Hardayal Pratap	Shivram	Crop Production	412			
<b>Village- Bagraun (2C1B3d3d)</b>									
CD1	10.5	685	Dev Pratap	Shiv Lal	Crop Production	685			
CD2	10.08	725	Shivram	Jagroop	Crop Production	725			
CD3	10.25	1108, 1107	Kuldeep Singh	Sabhajeet	Crop Production	1108			
CD4	4.1	548, 546	Rmabhavan	Samrjeet	Crop Production	548			

CD5	20.5	741	Prahlad	Ramgopal	Crop Production	741			
CD6	10.8	949, 946	Sukhnandan	Sukhnandan	Crop Production	949			
CD7	10.5	940, 945	Samarjeet	Samarjeet	Crop Production	940			
CD8	9.1	953, 939, 937	Chunbad	Sabhajeet	Crop Production	953			
CD9	4.18	599	Shivram	Vardani	Crop Production	599			
<b>Village- Supa (2C1B3d3c)</b>									
CD1	20	629	Ratifal	Shivkaran	Crop Production	629			
CD2	24	654	Shiv	Bhiya Lal	Crop Production	654			
CD3	24	216	Sukhnandan	Bhiyadeen	Crop Production	216			
CD4	24	377	Samarjeet	Virendra Singh	Crop Production	377			
CD5	24	1097	Sabhajeet	Ram Kumari	Crop Production	1097			
CD6	24	1799	Vardani	Vijay	Crop Production	1799			
CD7	20	1300	Hira Lal	Savitri	Crop Production	1300			
WHB1	28	577, 2061	Bhiya Lal	Ramvishal	Crop Production	577			
WHB2	32	581, 65	Bhiyadeen	Chunbaad	Crop Production	581			
WHB3	28	632, 640	Virendra Singh	Pratap Singh	Crop Production	632			
WHB4	32	97	Ram Kumari	Shiv Lal	Crop	97			

					Production				
<b>Village- Bamhauri Kalan/Imiliya Daang (2C1B3d1b)</b>									
CD1	9.846		Savitri	Pratap Singh	Crop Production				
CD2	9.846		Ramnaresh	Ramgopal	Crop Production				
CD3	9.846		Ramvishal	Natthu	Crop Production				
CD4	20.957		Chunbaad	Hardayal Pratap	Crop Production				
CD5	9.851		Pratap Singh	Bhoora	Crop Production				
CD9			Shiv Lal	Dev Pratap	Crop Production				
CD10	29.793		Krishn Bihari	Shivram	Crop Production				
CD6	4.925		Pratap Singh	Kuldeep Singh	Crop Production				
CD7	9.851		Ramgopal	Rmabhavan	Crop Production				
CD8	17.503		Natthu	Prahlad	Crop Production				
<b>Village- Majhol (2C1B3d2d)</b>									
CD1	8.112	279, 278, 277, 288	Bhoora	Samarjeet	Crop Production	279			
CD2	4.375	275, 269, 274, 230	Dev Pratap	Chunbad	Crop Production	275			
CD3	6.904	273, 269, 253, 254	Shivram	Shivram	Crop Production	273			
CD4	5.319	104, 90, 92, 85	Kuldeep Singh	Shivram	Crop Production	104			
CD5	8.166	65, 60, 61, 62,	Rmabhavan	Ratifal	Crop	65			

		43, 44, 45, 46, 48			Production				
CD6	17.918	52 to 56, 293 to 329	Prahlad	Shiv	Crop Production	52			
CD7	10.019	78, 79, 83 to 87	Sukhnandan	Devideen	Crop Production	78			
<b>Village- Sohajana (2C1B3d2c)</b>									
CD1	15.528	745, 768	Chunbad	Shivram	Crop Production	745			
<b>Village- Fatehpur (2C1B3d2f)</b>									
CD1	15.658	642, 646, 641, 598, 592, 591, 654, 594, 595, 600	Shivram	Shiv Lal	Crop Production	592			
CD2	3.895	272, 274, 275, 276	Ratifal	Samarjeet	Crop Production	276			
CD3	16.568	320, 321, 225, 214, 210, 155 to 158, 171 to 174, 162, 164, 161	Shiv	Chunbad	Crop Production	171			
CD1	4.772	456, 458, 461, 486, 489, 490, 491, 492	Devideen	Shivram	Crop Production	461			
CD1	15.048	40, 32, 34, 35, 33, 29, 30, 38, 31, 27, 28	Babu	Shivram	Crop Production	38			

Sr. No.	Name of Work	Benefited area (ha)	Field No.	Name of Adhyaksh	Name of Sachiv/ Treasurer	Activity Proposed	Location of the activity	Water storage in cum	Area Proposed for irrigation (ha)	user Charges (per ha)
	<b>Ashthoan (2C2A3n1a)</b>									
1	C.D. 1	6.316	1192, 1214 to 1222	Arvindra Dayal	Natthu	Crop production	1192	-	-	-
2	C.D. 2	12.909	935, 934,933, 947 to 950	Ambika Prasad	Sushila Devi	Crop production	935	-	-	-
3	C.D. 3	7.928	975, 976	Hannu	Mohan Singh	Crop production	975	-	-	-
1	W.H.B. 1	8.15	995, 996, 990 to 994	Khalid Husain	Gyan Singh		995	-	-	-
3	W.H.B. 2	16.758	951, 952, 944 to 950	Baburam	Rauf khan	Crop production	951	-	-	-
	<b>Ashthoan(2C2A3p2g)</b>									
1	C.D. 1	19.58	762	Rampal Singh, Man Singh	Lakshmika nt	Crop production	762	-	-	-
2	C.D. 2	19.58	754	Natthu	Umakant	Crop production	754	-	-	-

3	C.D. 3	21.532	732	Moti Lal	Ramcharan	Crop production	732	-	-	-
4	C.D. 4	19.58	805 to 808	Brajlal	Udham Singh	Crop production	805	-	-	-
5	C.D. 5	18.544	774, 775	Rajbahadur	Ramkumar	Crop production	774	-	-	-
6	C.D. 6	18.544	477, 478	Deendayal	Ravi	Crop production	477	-	-	-
7	C.D. 7	18.544	550, 555	Tarnuma Khatur	Munna Singh	Crop production	550	-	-	-
8	C.D. 8	18.544	557	Pramod Kumar	Sulduva	Crop production	557	-	-	-
9	C.D. 9	19.58	561, 562	Pramod Kumar	Ramsevak	Crop production	561	-	-	-
10	C.D. 10	23.027	840, 844	Akaram husain	Puranlal	Crop production	840	-	-	-
1	W.H.B 1	24.872	745, 774	Natthu	Baiju	Crop production	745	-	-	-
2	W.H.B. 2	19.011	705, 506 , 733 , 735	Siddhgopal	Smt. Rabiya	Crop production	705	-	-	-

3	W.H.B 3	28.236	880, 811	Jayhind	Hira	Crop production	880	-	-	-
4	W.H.B 4	24.872	812 , 813	Veer Singh	Lalta	Crop production	812	-	-	-
5	W.H.B 5	24.872	816, 822	Indresh Kumar	Ramsajivan	Crop production	816	-	-	-
6	W.H.B 6	24.872	829 ,830, 831	Vishvanath	Jagnnath	Crop production	829	-	-	-
	<b>Guda(2C2A3p2d)</b>							-	-	-
1	R.C.D 1	18.717	514, 660, 602, 1540	Partap	Fakire	Crop production	514	-	-	-
2	R.C.D. 2	16.504	1562, 1560, 1559	Jayhind	jagnnath	Crop production	1562	-	-	-
3	R.C.D 3	16.504	805, 1470, 1501, 1502	Veer Singh	Badlu	Crop production	805	-	-	-
4	R.C.D 4	16.504	805, 1470, 1501, 1502	Indresh Kumar	Gyanvati, Hira Singh	Crop production	805	-	-	-
1	C.D. 1	6.755	801, 767	Mahipat	Haricharan	Crop production	801	-	-	-
2	C.D. 2	6.75	645, 31	Pramod Kumar	Mangu	Crop production	645	-	-	-

3	C.D. 3	3.447	1055, 1469	Akaram husain	Munna	Crop production	1055	-	-	-
4	C.D. 4	2.997	3212, 3211	Natthu	Vassi	Crop production	3212	-	-	-
5	C.D. 5	3.757	329, 1411	Jay Singh	Smt. Rukmin	Crop production	329	-	-	-
6	C.D. 6	4.925	1238, 1237, 1216, 1228	Ram Singh	Mohanlal, Ramlal	Crop production	1238	-	-	-
7	C.D. 7	20.469	261, 1048, 1221, 1223	Chandrabhan	Smt. Gyanvati	Crop production	261	-	-	-
<b>Guda(2C2A3p2e)</b>										
1	R.C.D. 1	18.587	1566, 1565, 5176	Ashok, Ghasita, Patti etc.	Jagnnath	Irrigation	1566	-	-	-
2	R.C.D. 2	8.171	1428, 1429, 1431 TO 1439	Hansraj	Mulchandra	Crop production	1428	-	-	-
3	R.C.D. 3	8.171	712	Jivan Lal	Jagnnath	Irrigation	712	-	-	-
4	R.C.D. 4	22.122	3760, 3759	Ishvar Das	Maiyadin	Irrigation	3760	-	-	-
5	R.C.D. 5	18.587	3772	Sudhir Singh	Hanumatprasad et	Irrigation	3772	-	-	-
1	C.D. 1	11.984	1618, 1612, 1615, 1673, 1672, 1677, 1676	Kalicharan	Lakshamiprasad	Crop production	1618	-	-	-

2	C.D. 2	12.091	1670	Pyari Hulain	Geeta Devi	Crop production	1670	-	-	-
3	C.D. 3	4.433	1668, 1667	Mohan Lal	Sughar	Crop production	1668	-	-	-
4	C.D. 4	12.766	1649, 1648, 1647, 1650	Gadu	Hira	Crop production	1648	-	-	-
5	C.D. 5	12.091	1600, 1598, 1597, 1595	Vishvanath	Ghasiram	Crop production	1600	-	-	-
6	C.D. 6	3.757	1639, 1638, 1637, 1640	Sushila	Munnilal	Crop production	1639	-	-	-
7	C.D. 7	4.433	690, 620	Rustam	Munir ali	Crop production	690	-	-	-
8	C.D. 8	3.94	693	Kishana	Mulchandra	Crop production	693	-	-	-
9	C.D. 9	3.94	809	Gadu	Khubchana dra	Crop production	809	-	-	-
10	C.D. 10	12.259	3412, 3413, 3414	Mohan Lal	Vassi	Crop production	3412	-	-	-
11	C.D. 11	12.24	3847, 3844, 3845	Gadu,	Raish	Irrigation	3847	-	-	-
	<b>Ghutbai(2C2A3n2e)</b>									
1	C.D. 1	11.821	26	Smt.Shila Devi	Uttam Singh	Crop production	26	-	-	-

2	C.D. 2	11.821	129 to 141	Natthuram	Gulab Singh	Crop production	129	-	-	-
3	C.D. 3	11.821	228 to 234	Brajgopal	Ramashankar	Crop production	228	-	-	-
1	W.H.B. 1	28.599	98 to102	Hanif Ulla Khan	Nathuram	Crop production	98	-	-	-
2	W.H.B 2	28.599	163 to 166	Chandrika Prasad	Parmanndi	Crop production	163	-	-	-
3	W.H.B. 3	30.641	279 to 284	Diviya	Lachchhi	Crop production	279	-	-	-
4	W.H.B. 4	30.641	370 to 385	Ramkrashan	Lachchhi	Crop production	370	-	-	-
5	W.H.B 1	12.76	59, 60, 31 to 43, 46, 4748, 49, 50	Hamid Husain	Vijya Kumar	Crop production	59	-	-	-
6	W.H.B 2	22.615	649 to 652, 629 to 645	Asarf Khan	Krashna Swarup	Crop production	649	-	-	-
7	W.H.B. 3	9.703	541, 542, 465 to 477365, 364, 369 to 377	Smt.Munnga Devi	Pyarelal	Crop production	541	-	-	-
8	W.H.B 4	10.54	475 to 487	Chhiddi	Mukund Madhav	Crop production	475	-	-	-
	<b>Jarouli(2C2A3P2B)</b>									

1	C.D. 1	7.5	386, 380	Punna	Matadin	Crop production	386	-	-	-
2	C.D. 2	7.5	380	Prabhu	Vijay Singh	Crop production	380	-	-	-
3	C.D. 3	18.3	345, 380	Bhaiya deen	Smt. Foolrani	Crop production	345	-	-	-
4	C.D. 4	21.5	394 to 396	Vinda	Rajaram	Crop production	394	-	-	-
5	C.D. 5	22.3	380	Amarchandra	Smt. Foolrani	Crop production	380	-	-	-
6	C.D. 6	8.5	405, 380	Kamta	Hanumatprasad	Crop production	405	-	-	-
7	C.D. 7	16.75	408, 380	Ramsvarup	Jagnath	Crop production	408	-	-	-
8	C.D. 8	22.95	309, 380	Prabhu	Mulchandra	Crop production	309	-	-	-
9	C.D. 9	7.8	407 to 409, 417	Vishvaanath	Jagnath	Crop production	407	-	-	-
10	C.D. 10	6	405, 406, 407	Vishvanath	Maiyadin	Crop production	405	-	-	-
11	C.D. 11	15.8	420 to 422	Pancham	Hanumatprasad et	Crop production	420	-	-	-

12	C.D. 12	6.3	1101, 1102, 250	Rakesh Kumar	Lakshamiprasad	Crop production	1101	-	-	-
13	C.D. 13	12.3	940, 941	Mangal	Munir ali	Crop production	940	-	-	-
1	R.C.D. 1	7.5	386, 380	Bhagavan Das	Geeta Devi	Crop production	386	-	-	-
2	R.C.D. 2	7.5	380	Vinda	Sughar	Crop production	380	-	-	-
3	R.C.D. 3	18.3	345, 380	Sunil Kumar	Hira	Crop production	345	-	-	-
4	R.C.D. 4	21.5	394 to 396	Sukh Singh	Ghasiram	Crop production	394	-	-	-
5	R.C.D. 5	22.3	380	Balli	Munnilal	Crop production	380	-	-	-
6	R.C.D. 6	8.5	405, 380	Sukh Singh	Munir ali	Crop production	405	-	-	-
7	R.C.D. 7	16.75	408, 380	Balli	Mulchandra	Crop production	408	-	-	-
	<b>Anghoura(2C2A3p2c)</b>									
1	C.D. 1	7.1	1004, 1003, 945	Mahir Dhavaj Singh	Ramsevak	Crop production	1004	-	-	-

2	C.D. 2	15.3	578 to 580, 422	Tutinya	Khachoura	Crop production	578	-	-	-
3	C.D. 3	13.5	841, 479, 911	Natthuram	Smt. Sunita	Crop production	841	-	-	-
4	C.D. 4	9	617, 618, 616	Punna	Smt. Sunita	Crop production	617	-	-	-
5	C.D. 5	8.5	589 to 591	Prabhu	Kharya	Crop production	589	-	-	-
6	C.D. 6	7.5	438, 442 to 444	Bhaiya deen	Mangal Singh	Crop production	438	-	-	-
7	C.D. 7	21.4	440, 377,435	Vinda	Mangal Singh	Crop production	440	-	-	-
8	C.D. 8	21.3	392, 383, 381	Amarchandra	Motilal	Crop production	392	-	-	-
9	C.D. 9	8	371, 369, 368	Bhan Singh	Udham Singh	Crop production	371	-	-	-
10	C.D. 10	8	371, 369	Shripat	Gulab Singh	Crop production	371	-	-	-
11	C.D. 11	20	344, 353, 356	Ramshvarup	Uttam Singh	Crop production	344	-	-	-
12	C.D. 12	5.1	345, 346, 349, 350	Khamchandra	Muloo	Crop production	345	-	-	-

1	R.C.D. 1	28	135, 527, 999	Kishun	Ramashankar	Crop production	135	-	-	-
2	R C.D. 2	30.5	1077, 486	Natthuram	Biharilal	Crop production	1077	-	-	-
3	R.C.D. 3	34	351, 566	Brajgopal	Uttam Singh	Crop production	351	-	-	-
4	R C.D. 4	33.4	177, 800, 107, 1271	Natthuram	Uttam Singh	Crop production	177	-	-	-
5	R.C.D. 5	25.6	889, 779, 498	Hanif Ulla Khan	Gulab Singh	Crop production	889	-	-	-
6	R C.D. 6	23.3	322, 386, 387, 393	Chandrika Prasad	Ramashankar	Crop production	322	-	-	-
<b>Luhari(2C2A3w2a)</b>										
1	C.D. 1	8.5	885, 997, 998, 999	Bhan Singh	Guman Singh	Crop production	885	-	-	-
2	C.D. 2	6.14	990, 991, 992, 993	Tulsarani	Matadin	Crop production	990	-	-	-
3	C.D. 3	11.26	828, 832, 833	Goarishankar	Vijay Singh	Crop production	828	-	-	-
4	C.D. 4	7.64	932, 933, 971 to 974	Nandkishor	Smt. Foolrani	Crop production	932	-	-	-

5	C.D. 5	16.5	756 to 775	Bhan Singh	Rajaram	Crop production	756	-	-	-
6	C.D. 6	20.5	390 to 403, 442 to 455	Shripat	Smt. Foolrani	Crop production	390	-	-	-
7	C.D. 7	8.37	600 to 609	Goarishankar	Hanumatprasad	Crop production	600	-	-	-
8	C.D. 8	7.48	611 to 615	Ramshvarup	Jagnnath	Crop production	611	-	-	-
9	C.D. 9	10.5	584 to 588, 570, 571	Khamchandra	Mulchandra	Crop production	584	-	-	-
10	W.H.B. 1	20.5	843 to 849	Kishun	Jagnnath	Crop production	843	-	-	-
11	W.H.B. 2	14.5	809, 811, 817, 812	Hardayal	Maiyadin	Crop production	809	-	-	-
12	W.H.B. 3	23	548 to 559, 562 to 569	Siddhgopal	Hanumatprasad	Irrigation	548	-	-	-
<b>Asthoun(2C2A3p2f)</b>						Munir ali				
1	CD1	22.18	690, 688, 691, 682, 683, 684 590, 591	Shivacharan	Chhiddi	Crop production	690	-	-	-
2	CD2	25.5	602 to 605, 680, 681, 580, 595, 599	Fool Khan	Natthu, Lakshaman	Crop production	602	-	-	-
3	CD3	23.5	295 to 297, 305, 287, 286	Omshankar	Ramcharan	Crop production	295	-	-	-

4	CD4	18.5	3023, 3168, 2367, 2366 to 2370	Shyambabu	Smt. Prem	Crop production	3023	-	-	-
5	WHB1	48.32	2570 to 2576, 2514, 2568, 2373	Rammurti	Ramsevak	Crop production	2570	-	-	-
6	WHB2	40.00	2328, 2331, 2332, 2309, 2400, 2411 to 2418	Brahmanand Vidyayal	Khachoura	Crop production	2328	-	-	-

*Submerged bundhi- SB, Check dam-CD, Water harvesting bund- WHB, recharge check dam- RCD, Marginal bund- M, and Peripheral bund-PB.*

### 4.3 Convergence in IWMP-XIX, Mahoba

Several programmes are running in the areas which are sponsored by Central and State Govt. could be converged with watershed programmes. Some of them are listed in Table 4.7. However, micro-watershed wise amount of convergence is mentioned in Table 4.8.

**Table 4.7: 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	Pump set Distribution (Food Security Mission)	Agriculture Deptt.	Providing irrigation
3	Training Programme	Agriculture Deptt., KVK	Capacity building of the farmers
4	Piped conveyance (HOPE Pipes)	Agriculture Deptt.	
5	National Horticulture Mission (NHM)	Horticulture Deptt.	Increasing the area under fruits and vegetables
6	Sanitation Programme	Gram Vikash	To make hygienic condition in the rural areas
7	MGNERGA (Bunding, Farm Pond, Adarsh	Gram Panchayat	To provide work to the all village personnel

	Jalashay, Blast well, Chakroad, etc.)		under the rojgar guarantee yojana
8	Dept. of Animal Husbandry	U.P. Animal Husbandry	To improve the productivity of livestock
9	Afforestation	Deptt. of Forest U.P.	To increase vegetal cover

**Table 4.7: Details of Convergence of IWMP with other Schemes in IWMP-XIX, Mahoba (Rs. In Lakh)**

S. No.	Name of Micro Watershed	Names of Departments with Schemes converging with IWMP	Fund made available to convergence (Rs. in lakh)	Was this fund included in Rs. 12, 000/ 15,000 per ha.		Name of activity/task/structure undertaken with converged funds (a) Structures (b) livelihoods (c) Any other (pl. specify) <sup>#</sup>	Reference no. of activity/ task/ structure in DPR <sup>@</sup>	Level at which decision for convergence was taken <sup>\$</sup>
				Yes	No			
1	Bragpur	MGNREGA	0.00	Additional to the cost of Rs. 12000/ha		Natural Resource Management (Soil and water conservation Structures)	Included in DPR	District Level
2	Bamhauri kala	-do-	0.00					
3	Kurara dang	-do-	0.00					
4	Maharajpura	-do-	0.00					
5	Karhara kala	-do-	0.00					
6	Supa	-do-	0.00					
7	Bagraun	-do-	0.00					
8	Bamrara	-do-	0.00					
9	Sohjana	-do-	0.00					
10	Itawa	-do-	0.00					
11	Majhol	-do-	0.00					
12	Nathupura	-do-	0.00					
13	Imaliya dang	-do-	0.00					
14	Jarauli	-do-	0.03					
15	Anghaura	-do-	0.00					

<b>16</b>	Guda-I	-do-	0.50				
<b>17</b>	Guda-II	-do-	0.50				
<b>18</b>	Akthauonha	-do-	0.00				
<b>19</b>	Asthaun	-do-	17.32				
<b>20</b>	Asthaun	-do-	0.02				
<b>21</b>	Luhari	-do-	0.00				
<b>22</b>	Rampura Kadeem	-do-	0.02				
<b>23</b>	Ghutwai	-do-	2.63				
	<b>Total</b>		<b>21.03</b>				

## CHAPTER - 5

### MANAGEMENT/ACTION PLAN

The details of Preparatory Phase, Works Phase and Convergence planning are described in subsequent section

#### 5.1 Entry Point Activities (EPA)

Entry point activities were executed with the consent of stake holders and it helped in winning the confidence of the villagers for moving ahead the other programmes of watershed. In total 23 EPA activities were executed in the project area which costed Rs. 31.31 lakh. Expenditures on EPA are as follow:

Name of PIA	Name of Project	Year	Name of Block	Name & Code of project/ Name of village	E.P.A (Rs. in lakh)	Name of Work	Cost in lakh
Soil Conservation Officer, Charkhari, Mahoba	IWMP-XIX	2011-12	Charkhari	Bragpur (2C1B3d1a)	0.92	Rapta Construct, Well Repaired, Kharanja Construct, Puliya Construct, Naali Construct	0.92
				Bamhuali kala (2C1B3d1b)	1.40		1.40
				Kurara dang (2C1B3d1c)	0.62		0.62
				Maharajpura (2C1B3d3a)	1.78		1.78
				Karhara kala (2C1B3d3b)	0.95		0.95
				Supa (2C1B3d3c)	1.97		1.97
				Bagraun (2C1B3d3d)	1.30		1.30
				Bamrara (2C1B3d2a)	1.39		1.39
				Sohjana (2C1B3d2b)	1.23		1.23
				Itawa (2C1B3d2c)	0.96		0.96
				Majhol (2C1B3d2d)	0.98		0.98
				Nathupura (2C1B3d2f)	1.04		1.04
				Imaliya dang (2C1B3d2g)	1.87		1.87
				Jarauli 2C1A3p2b	2.39		2.39
				Anghaura 2C1A3p2c	1.97		1.97
				Guda-I 2C1A3p2d	1.20		1.20
				Guda-II 2C1A3p2e	1.66		1.66
				Akthauonha 2C1A3p2f	1.20		1.20
				Asthaun 2C1A3p2g	2.12		2.12
				Asthaun 2C2A3n1a	0.30		0.30

				Luhari 2C1A3w1a	1.00		1.00
				Rampura Kadeem 2C1A3w1b	0.43		0.43
				Ghutwai 2C1A3n2e	2.63		2.63
<b>Total</b>					<b>31.31</b>		<b>31.31</b>

## 5.2 Works Phase

### Following are the major problems of the watersheds

- Water scarcity both for drinking as well as irrigation
- Excess runoff and soil loss
- Low water holding capacity of the soil
- Low productivity of crops
- Low fertility of soil
- Low cropping intensity
- Lack of technical knowledge
- *Anna Pratha* (let loose system of cattle)
- Poor vegetative cover
- Poor/low productive breeds of milch animals
- Lack of feed & fodder availability
- Non availability of wood/fuel
- Lack of proper market facilities
- Low income of the households
- Lack of employment opportunity.

### Estimation of Runoff from the Watershed

Runoff from the watershed is estimated by Curve Number method of the Soil Conservation Service of the USDA using 15 years data (1996-2010). It is estimated that runoff potential of the project area is 355 mm, equivalent to 35-40 per cent of average annual rainfall. Expected runoff and soil loss from the project area are depicted Table 5.1.

**Table 5.1: Runoff and soil erosion in the project area (IWMP-XIX, Mahoba)**

Sr. No.	Name of Micro Watershed	Cause	Type of erosion*	Area affected (ha)*	Run off (mm/ year)*	Average Soil Loss (Tonnes/ ha/ year)
1	Bragpur (2C1B3d1a)	Water erosion				
		a	Sheet	484.40	355	8-12
		b	Rill	339.08		
		c	Gully	145.32		
		<b>Total</b>		<b>968.79</b>		
2	Bamhauri kala (2C1B3d1b)	Water erosion				
		a	Sheet	456.22	355	8-12
		b	Rill	319.35		
		c	Gully	136.87		
		<b>Total</b>		<b>912.44</b>		
3	Kurara dang (2C1B3d1c)	Water erosion				
		a	Sheet	451.03	355	8-12
		b	Rill	315.72		
		c	Gully	135.31		
		<b>Total</b>		<b>902.05</b>		
4	Maharajpura (2C1B3d3a)	Water erosion				
		a	Sheet	518.36	355	8-12
		b	Rill	362.85		
		c	Gully	155.51		
		<b>Total</b>		<b>1036.71</b>		
5	Karhara kala (2C1B3d3b)	Water erosion				
		a	Sheet	437.22	355	8-12
		b	Rill	306.05		
		c	Gully	131.16		

		<b>Total</b>		<b>874.43</b>		
6	Supa (2C1B3d3c)	Water erosion				
		a	Sheet	607.20	355	8-12
		b	Rill	425.04		
		c	Gully	182.16		
		<b>Total</b>		<b>1214.39</b>		
7	Bagraun (2C1B3d3d)	Water erosion				
		a	Sheet	380.15	355	8-12
		b	Rill	266.11		
		c	Gully	114.05		
		<b>Total</b>		<b>760.30</b>		
8	Bamrara (2C1B3d2a)	Water erosion				
		a	Sheet	480.84	355	8-12
		b	Rill	336.58		
		c	Gully	144.25		
		<b>Total</b>		<b>961.67</b>		
9	Sohjana (2C1B3d2b)	Water erosion				
		a	Sheet	352.24	355	8-12
		b	Rill	246.56		
		c	Gully	105.67		
		<b>Total</b>		<b>704.47</b>		
10	Itawa (2C1B3d2c)	Water erosion				
		a	Sheet	385.10	355	8-12
		b	Rill	269.57		
		c	Gully	115.53		

		<b>Total</b>		<b>770.20</b>		
11	Majhol (2C1B3d2d)	Water erosion				
		a	Sheet	266.37	355	8-12
		b	Rill	186.46		
		c	Gully	79.91		
		<b>Total</b>		<b>532.74</b>		
12	Nathupura (2C1B3d2f)	Water erosion				
		a	Sheet	339.31	355	8-12
		b	Rill	237.51		
		c	Gully	101.79		
		<b>Total</b>		<b>678.61</b>		
13	Imaliya dang (2C1B3d2g)	Water erosion				
		a	Sheet	408.95	355	8-12
		b	Rill	286.26		
		c	Gully	122.68		
		<b>Total</b>		<b>817.89</b>		
14	Jarauli 2C1A3p2b	Water erosion				
		a	Sheet	441.53	355	8-12
		b	Rill	309.07		
		c	Gully	132.46		
		<b>Total</b>		<b>883.06</b>		
15	Anghaura 2C1A3p2c	Water erosion				
		a	Sheet	298.90	355	8-12
		b	Rill	209.23		
		c	Gully	89.67		
		<b>Total</b>		<b>597.79</b>		

16	Guda-I 2C1A3p2d	Water erosion			355	8-12
		a	Sheet	288.83		
		b	Rill	202.18		
		c	Gully	86.65		
		<b>Total</b>				
17	Guda-II 2C1A3p2e	Water erosion			355	8-12
		a	Sheet	414.73		
		b	Rill	290.31		
		c	Gully	124.42		
		<b>Total</b>				
18	Akthauonha 2C1A3p2f	Water erosion			355	8-12
		a	Sheet	325.76		
		b	Rill	228.03		
		c	Gully	97.73		
		<b>Total</b>				
19	Asthaun 2C1A3p2g	Water erosion			355	8-12
		a	Sheet	604.65		
		b	Rill	423.26		
		c	Gully	181.40		
		<b>Total</b>				
20	Asthaun 2C2A3n1a	Water erosion			355	8-12
		a	Sheet	349.78		
		b	Rill	244.85		
		c	Gully	104.93		
		<b>Total</b>				
21	Luhari 2C1A3w1a	Water erosion				

		a	Sheet	322.74	355	8-12
		b	Rill	225.91		
		c	Gully	96.82		
		<b>Total</b>		<b>645.47</b>		
22	Rampura Kadeem 2C1A3w1b	Water erosion				
		a	Sheet	289.11	355	8-12
		b	Rill	202.37		
		c	Gully	86.73		
		<b>Total</b>		<b>578.21</b>		
23	Ghutwai 2C1A3n2e	Water erosion				
		a	Sheet	478.48	355	8-12
		b	Rill	334.93		
		c	Gully	143.54		
		<b>Total</b>		<b>956.95</b>		
	<b>Grand Total</b>				<b>18763.66</b>	

*\*Estimated version of categories of erosion and area affected are based on field visits. Runoff (mm) and soil loss (ton/ha/year) estimates are ex/replotted on the basis of hydrological studies in Bundelkhand region of Uttar Pradesh*

### **Watershed Development Activities Proposed**

The details of the activities of watershed works (natural resource conservation) are marked on individual field in the micro-watershed wise proposed plan (Map Section). Individual beneficiary wise estimate has been prepared for each micro-watershed and gram panchayat. Information of individual beneficiaries is kept in respective project file available with PIA. (Table 5.2 and 5.3). Similar exercise was also done for participatory crop trials. Location of these trials is marked on proposed plan of participatory crop demonstration (available in map section).

**Table 5.2: Micro-watershed wise details of Watershed Development Activities proposed in IWMP-XIX, Mahoba**

Sr . No.	Particular of Measures/Activities	Unit	Bragpur (2C1B3d1a)		Bamhauili kala (2C1B3d1b)		Kurara dang (2C1B3d1c)		Maharajpura (2C1B3d3a)		Karhara kala (2C1B3d3b)	
			No., Length/ha, Volume	Qanty .	Cost (Rs. In lakh)	Qant y.	Cost (Rs. In lakh)	Qant y.	Qanty .	Qant y.	Cost (Rs. In lakh)	Qanty.
I	<b>Soil &amp; Water Conservation Measures</b>											
	<b>A- Moisture Conservation Measures</b>											
	1. Peripheral Bund (with Sodding)	cum.	3294	1.36	0.0	0.0	982	0.40	11437	4.72	1219	0.50
	2. Marginal Bund (with Sodding)	cum.	3015	1.24	0.0	0.0	0.0	0.0	2024	0.83	0.0	0.0
	3.Submergence Bundhi (with Sodding)	cum.	12357	5.29	12796	5.27	14053	5.85	8023	3.31	5147	2.12
	<b><u>B- Water Resource Development</u></b>											
	1. Check Dam / Drop Spill Way	No.	8060	4.94	20219	14.28	2728	2.48	47931	16.00	17551	10.62
	1a- Water storing capacity	cum.	4800	-	6000	-	1800	-	9450	-	6080	-
	1b. Area proposed for irrigation	ha	8	-	10	-	3	-	16	-	10	-
	2. Water Harvesting Bund with surplusling structure	No.										
	2a-Water storing capacity	cum.										
	2b. Area proposed for irrigation by WHB	ha										
	<b>Sub Total</b>			<b>12.84</b>		<b>19.56</b>		<b>8.74</b>		<b>24.86</b>		<b>13.24</b>

II	<b><u>Livelihood for landless People</u></b>											
	1. Goatary	No. of SHGs/ No. of beneficiaries	1/10	0.25	2/20	0.50	1/10	0.25	2/20	0.50	1/10	0.25
	2. Back Yard Poultry	-do-	1/10	0.25	2/20	0.50	1/10	0.25	2/20	0.50	1/10	0.25
	3. Poultry (Broiler)	-do-	1/10	0.25	1/10	0.25	1/10	0.25	2/20	0.50	1/10	0.25
	4. Black Smithy	-do-	1/10	0.25	1/10	0.25	0	0.00	1/10	0.25	1/10	0.25
	5. Rope Making (Linseed)	-do-	1/10	0.25	1/10	0.25	0	0.00	1/10	0.25	1/10	0.25
	6. Tailoring	-do-	0	0.00	1/10	0.25	0	0.00	2/20	0.50	1/10	0.25
	7. Vermi composting	-do-	1/10	0.25	1/10	0.25	1/10	0.25	2/20	0.50	1/10	0.25
	8. Fruit Processing	-do-	1/10	0.25	2/20	0.50	1/10	0.25	2/20	0.50	1/10	0.25
	9. Seed Bank	-do-	1/10	0.31	2/20	0.39	1/10	0.15	2/20	0.50	1/10	0.13
	<b>Sub Total</b>		8/80	2.06	13/13 0	3.14	6/60	1.40	16/16 0	4.00	9/90	2.13
III	<b><u>Agriculture Production System</u></b>											
	<b>(1)SMC Area</b>											
	<b>A- Crop Demonstrations- (Crop Wise)</b>											
	1. Lentil	No. of farmers /Area (ha)	3/1.2	0.14	4/1.6	0.24	3/1.2	0.14	5/2.0	0.24	4/1.6	0.19
	2. Chickpea	-do-	3/1.2	0.16	4/1.6	0.27	3/1.2	0.16	5/2.0	0.27	4/1.6	0.22
	3. Field Pea	-do-	3/1.2	0.17	4/1.6	0.23	3/1.2	0.17	5/2.0	0.29	4/1.6	0.23
	4. Til	-do-	3/1.2	0.05	4/1.6	0.07	2/8.0	0.03	5/2.0	0.08	4/1.6	0.07
	5. Urd	-do-	3/1.2	0.11	4/1.6	0.14	2/8.0	0.07	5/2.0	0.18	4/1.6	0.14
	6. Moong	-do-	3/1.2	0.11	4/1.6	0.15	2/8.0	0.07	5/2.0	0.18	4/1.6	0.15

7. Arhar	-do-	3/1.2	0.09	4/1.6	0.12	2/8.0	0.06	5/2.0	0.15	3/1.2	0.09
8. Wheat	-do-	3/1.2	0.17	4/1.6	0.23	2/8.0	0.12	5/2.0	0.29	3/1.2	0.17
<b>(2) Water Resource Area:</b>											
<b>B- Production of seeds</b>											
1. Lentil	No. of farmers /Area (ha)	3/1.2	0.14	4/1.6	0.19	2/8.0	0.09	5/2.0	0.24	3/1.2	0.14
2. Chickpea	-do-	3/1.2	0.16	4/1.6	0.22	2/8.0	0.11	5/2.0	0.27	3/1.2	0.16
3. Field Pea	-do-	3/1.2	0.17	4/1.6	0.23	2/8.0	0.11	5/2.0	0.29	3/1.2	0.17
4. Til	-do-	3/1.2	0.05	4/1.6	0.07	2/8.0	0.03	5/2.0	0.08	3/1.2	0.05
5. Urd	-do-	2/8.0	0.07	4./1.6	0.14	2/8.0	0.07	5/2.0	0.18	3/1.2	0.11
6. Moong	-do-	2/8.0	0.07	4./1.6	0.15	2/8.0	0.07	5/2.0	0.18	3/1.2	0.11
7. Arhar	-do-	2/8.0	0.06	4./1.6	0.12	2/8.0	0.06	5/2.0	0.15	3/1.2	0.09
8. Wheat	-do-	2/8.0	0.12	4./1.6	0.23	2/8.0	0.12	4./1.6	0.23	3/1.2	0.17
<b><u>Agro forestry:-</u></b>											
1- Aonla	Area in ha	1	0.18	1	0.18	0	0.00	2	0.36	0	0.00
2. Guava	Area in ha	1	0.18	1	0.18	0	0.00	2	0.36	0	0.00
<b><u>Live Stock Management</u></b>											
A. fodder production	Farmers/ No. of Units	10	0.06	15	0.09	7	0.04	25	0.15	13	0.08
B. Vaccination/Medication	No. of Animals	15	0.01	15	0.01	20	0.01	30	0.02	25	0.02
C. Artificial Insemination	No. of Animals	15	0.01	15	0.01	20	0.01	30	0.01	20	0.01
D. Natural Service.	He Buffalo	0	0.00	1	0.24	0	0.00	1	0.24	0	0.00
<b>Total for Ag. Production System</b>			<b>2.29</b>	<b>3.49</b>	<b>1.56</b>	<b>4.44</b>	<b>2.36</b>				
<b>Grand Total</b>			<b>17.19</b>	<b>26.19</b>	<b>11.70</b>	<b>33.30</b>	<b>17.73</b>				

Micro-watershed wise details of Watershed Development Activities proposed in IWMP-XIX, Mahoba

Cont.....

Sr. No.	Particular of Measures/Activities	Unit	Supa (2C1B3d3c)		Bagraun (2C1B3d3d)		Bamrara (2C1B3d2a)		Sohjana (2C1B3d2b)	
			No., Length/ha, Volume	Qanty.	Cost (Rs. In lakh)	Qanty .	Cost (Rs. In lakh)	Qanty .	Cost (Rs. In lakh)	Qanty .
I	<b>Soil &amp; Water Conservation Measures</b>									
	<b>A- Moisture Conservation Measures</b>									
	1. Peripheral Bund (with Sodding)	cum.	0.0	0.0	7524	3.10	0.0	0.0	5730	2.36
	2. Marginal Bund (with Sodding)	cum.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3.Submergence Bundhi (with Sodding)	cum.	15300	8.62	10261	4.23	10602	4.37	13590	5.60
	<b><u>B- Water Resource Development</u></b>									
	1. Check Dam / Drop Spill Way	No.	9450	8.08	13131	10.81	24700	15.12	12843	8.13
	1a- Water storing capacity	cum.	2520	-	4050	-	7150	-	6300	-
	1b. Area proposed for irrigation	ha	4	-	7	-	12	-	11	-
	2. Water Harvesting Bund with surplushing structure	No.	10080	10.85	0.0	0.0	0.0	0.0	2392	1.11
	2a-Water storing capacity	cum.	3000	-	0.0	-	0.0	-	650	-
	2b. Area proposed for irrigation by WHB	ha	5	-	0.0	-	0.0	-	1	-
	<b>Sub Total</b>			<b>27.55</b>		<b>18.14</b>		<b>19.49</b>		<b>17.20</b>
II	<b><u>Livelihood for landless People</u></b>									

	1. Goatary	No. of SHGs/ No. of beneficiaries	2/20	0.50	2/20	0.50	2/20	0.50	2/20	0.50
	2. Back Yard Poultry	-do-	2/20	0.50	1/10	0.25	2/20	0.50	2/20	0.50
	3. Poultry (Broiler)	-do-	2/20	0.50	1/10	0.25	1/10	0.25	1/10	0.25
	4. Black Smithy	-do-	2/20	0.50	1/10	0.25	1/10	0.25	1/10	0.25
	5. Rope Making (Linseed)	-do-	2/20	0.50	1/10	0.25	1/10	0.25	1/10	0.25
	6. Tailoring	-do-	2/20	0.50	1/10	0.25	1/10	0.25	1/10	0.25
	7. Vermi composting	-do-	2/20	0.50	1/10	0.25	1/10	0.25	1/10	0.25
	8. Fruit Processing	-do-	2/20	0.50	2/20	0.50	2/20	0.50	1/10	0.25
	9. Seed Bank	-do-	2/20	0.43	2/20	0.42	2/20	0.38	1/10	0.26
	<b>Sub Total</b>		18/130	4.43	12/120	2.92	13/130	3.13	11/110	2.76
III	<b><u>Agriculture Production System</u></b>									
	<b>(1)SMC Area</b>									
	<b>A- Crop Demonstrations- (Crop Wise)</b>									
	1. Lentil	No. of farmers /Area (ha)	6/2.4	0.28	4/1.6	0.19	5/2.0	0.24	4/1.6	0.19
	2. Chickpea	-do-	6/2.4	0.33	4/1.6	0.22	5/2.0	0.27	4/1.6	0.22
	3. Field Pea	-do-	6/2.4	0.34	4/1.6	0.23	4/1.6	0.23	4/1.6	0.23
	4. Til	-do-	6/2.4	0.10	4/1.6	0.07	4/1.6	0.07	4/1.6	0.07
	5. Urd	-do-	6/2.4	0.21	4/1.6	0.14	4/1.6	0.14	4/1.6	0.14
	6. Moong	-do-	5/2.0	0.18	4/1.6	0.15	4/1.6	0.15	4/1.6	0.15
	7. Arhar	-do-	5/2.0	0.15	4/1.6	0.12	4/1.6	0.12	4/1.6	0.12
	8. Wheat	-do-	5/2.0	0.29	4/1.6	0.23	4/1.6	0.23	4/1.6	0.23
	<b>(2) Water Resource Area:</b>									

<b>B- Production of seeds</b>										
1. Lentil	No. of farmers /Area (ha)	5/2.0	0.24	4/1.6	0.19	4/1.6	0.19	4/1.6	0.19	
2. Chickpea	-do-	5/2.0	0.27	4/1.6	0.22	4/1.6	0.22	3/1.2	0.16	
3. Field Pea	-do-	5/2.0	0.29	4/1.6	0.23	4/1.6	0.23	3/1.2	0.17	
4. Til	-do-	5/2.0	0.08	4/1.6	0.07	4/1.6	0.07	3/1.2	0.05	
5. Urd	-do-	5/2.0	0.18	3/1.2	0.11	4/1.6	0.14	3/1.2	0.11	
6. Moong	-do-	5/2.0	0.18	3/1.2	0.11	4/1.6	0.15	3/1.2	0.11	
7. Arhar	-do-	5/2.0	0.15	3/1.2	0.09	4/1.6	0.12	3/1.2	0.09	
8. Wheat	-do-	5/2.0	0.29	3/1.2	0.17	4/1.6	0.23	3/1.2	0.17	
<b><u>Agro forestry:-</u></b>										
1- Aonla	Area in ha	2	0.36	1	0.18	1	0.18	1	0.18	
2. Guava	Area in ha	2	0.36	1	0.18	1	0.18	1	0.18	
<b><u>Live Stock Management</u></b>										
A. fodder production	No. of Units	21	0.13	14	0.08	11	0.07	9	0.05	
B. Vaccination/Medication	No. of Animals	25	0.02	27	0.02	25	0.02	22	0.01	
C. Artificial Insemination	No. of Animals	25	0.01	27	0.01	25	0.01	22	0.01	
D. Natural Service.	He Buffalo	2	0.48	1	0.24	1	0.24	1	0.24	
<b>Total for Ag. Production System</b>			<b>4.92</b>		<b>3.24</b>		<b>3.48</b>		<b>3.07</b>	
<b>Grand Total</b>			<b>36.90</b>		<b>24.30</b>		<b>26.10</b>		<b>23.04</b>	

Micro-watershed wise details of Watershed Development Activities proposed in IWMP-XIX, Mahoba

Cont.....

Sr. No.	Particular of Measures/Activities	Unit No., Length/ ha, Volume	Itawa (2C1B3d2c)		Majhol (2C1B3d2d)		Nathupura (2C1B3d2f)		Nathupura (2C1B3d2f)	
			Qanty.	Cost (Rs. In lakh)	Qanty.	Cost (Rs. In lakh)	Qanty.	Cost (Rs. In lakh)	Qanty.	Cost (Rs. In lakh)
I	<b>Soil &amp; Water Conservation Measures</b>									
	<b>A- Moisture Conservation Measures</b>									
	1. Peripheral Bund (with Sodding)	cum.	2722	2.36	3505	1.94	8061	3.70	0.0	0.0
	2. Marginal Bund (with Sodding)	cum.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3.Submergence Bundhi (with Sodding)	cum.	4541	3.26	2105	1.37	10606	4.37	18806	7.75
	<b><u>B- Water Resource Development</u></b>									
	1. Check Dam / Drop Spill Way	No.	1800	7.82	8076	10.40	5332	6.45	26600	18.46
	1a- Water storing capacity	cum.	1100	-	3150	-	2750	-	8640	-
	1b. Area proposed for irrigation	ha	2	-	5	-	5	-	14	-
	2. Water Harvesting Bund with surplushing structure	No.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	2a-Water storing capacity	cum.	0.0	-	0.0	-	0.0	-	0.0	-
	2b. Area proposed for irrigation by WHB	ha	0.0	-	0.0	-	0.0	-	0.0	-
	<b>Sub Total</b>			<b>13.44</b>		<b>13.71</b>		<b>14.52</b>		<b>26.21</b>
II	<b><u>Livelihood for landless People</u></b>									
	1. Goatary	No. of SHGs/ No. of beneficiaries	1/10	0.25	1/10	0.25	1/10	0.25	2/20	0.50
	2. Back Yard Poultry	do	1/10	0.25	1/10	0.25	1/10	0.25	2/20	0.50
	3. Poultry (Broiler)	do	1/10	0.25	1/10	0.25	1/10	0.25	2/20	0.50

	4. Black Smithy	do	1/10	0.25	1/10	0.25	1/10	0.25	2/20	0.50
	5. Rope Making (Linseed)	do	1/10	0.25	1/10	0.25	1/10	0.25	2/20	0.50
	6. Tailoring	do	1/10	0.25	1/10	0.25	1/10	0.25	2/20	0.25
	7. Vermi composting	do	1/10	0.25	1/10	0.25	1/10	0.25	2/20	0.50
	8. Fruit Processing	do	1/10	0.25	1/10	0.25	1/10	0.25	2/20	0.50
	9. Seed Bank	do	1/10	0.16	1/10	0.20	1/10	0.33	2/20	0.46
	<b>Sub Total</b>		9/90	2.16	9/90	2.20	9/90	2.33	17/170	4.21
III	<b><u>Agriculture Production System</u></b>									
	<b>(1)SMC Area</b>									
	<b>A- Crop Demonstrations- (Crop Wise)</b>									
	1. Lentil	No. of farmers /Area (ha)	4/1.6	0.19	4/1.6	0.19	4/1.6	0.19	6/2.4	0.28
	2. Chickpea	-do-	4/1.6	0.22	4/1.6	0.22	4/1.6	0.22	6/2.4	0.33
	3. Field Pea	-do-	4/1.6	0.23	4/1.6	0.23	4/1.6	0.23	6/2.4	0.34
	4. Til	-do-	3/1.2	0.05	4/1.6	0.07	4/1.6	0.07	6/2.4	0.10
	5. Urd	-do-	3/1.2	0.11	3/1.2	0.11	4/1.6	0.14	6/2.4	0.21
	6. Moong	-do-	3/1.2	0.11	3/1.2	0.11	4/1.6	0.15	6/2.4	0.22
	7. Arhar	-do-	3/1.2	0.09	3/1.2	0.09	4/1.6	0.12	6/2.4	0.18
	8. Wheat	-do-	3/1.2	0.17	3/1.2	0.17	4/1.6	0.23	6/2.4	0.35
	<b>(2) Water Resource Area:</b>									
	<b>B- Production of seeds</b>									
	1. Lentil	No. of farmers /Area (ha)	3/1.2	0.14	3/1.2	0.14	3/1.2	0.14	5/2.0	0.24
	2. Chickpea	-do-	3/1.2	0.16	3/1.2	0.16	3/1.2	0.16	5/2.0	0.27
	3. Field Pea	-do-	3/1.2	0.17	3/1.2	0.17	3/1.2	0.17	5/2.0	0.29
	4. Til	-do-	3/1.2	0.05	3/1.2	0.05	3/1.2	0.05	5/2.0	0.08
	5. Urd	-do-	3/1.2	0.11	3/1.2	0.11	3/1.2	0.11	5/2.0	0.18
	6. Moong	-do-	3/1.2	0.11	3/1.2	0.11	3/1.2	0.11	5/2.0	0.18
	7. Arhar	-do-	3/1.2	0.09	3/1.2	0.09	3/1.2	0.09	5/2.0	0.15
	8. Wheat	-do-	3/1.2	0.17	3/1.2	0.17	3/1.2	0.17	5/2.0	0.29

	<b>Agro forestry:-</b>									
	1- Aonla	Area in ha	1	0.18	1	0.18	1	0.18	2	0.36
	2. Guava	Area in ha	0	0.00	0	0.00	0	0.00	1	0.18
	<b>Live Stock Management</b>									
	A. fodder production	No. of Units	5	0.03	10	0.06	8	0.05	30	0.18
	B. Vaccination/Medication	No. of Animals	19	0.01	20	0.01	15	0.01	30	0.02
	C. Artificial Insemination	No. of Animals	19	0.01	19	0.01	15	0.01	30	0.01
	D. Natural Service.	He Buffalo	0	0.00	0	0.00	0	0.00	1	0.24
	<b>Total for Ag. Production System</b>			<b>2.40</b>		<b>2.45</b>		<b>2.59</b>		<b>4.68</b>
	<b>Grand Total</b>			<b>18.00</b>		<b>18.36</b>		<b>19.44</b>		<b>35.10</b>

**Micro-watershed wise details of Watershed Development Activities proposed in IWMP-XIX, Mahoba**

Cont.....

Sr . No.	Particular of Measures/Activities	Unit	Jarauli 2C1A3p2b		Anghaura 2C1A3p2c		Guda-I 2C1A3p2d		Guda-II 2C1A3p2e		Akthauonha 2C1A3p2f	
			No., Length/ ha, Volume	Qanty in cum. (No.).	Cost (Rs. In lakh)	Qanty in cum. (No.).	Cost (Rs. In lakh)	Qanty in cum. (No.)..	Qant y.	Qanty.	Cost (Rs. In lakh)	Qanty .
1	2	3	4	5	4	5	4	5	4	5		
I	<b>Soil &amp; Water Conservation Measures</b>											
	<b>A- Moisture Conservation Measures</b>											
	1. Peripheral Bund (with Sodding)	No.	2860	3.95	7695	3.17	0.0	0.0	0.0	0.0	0.0	0.0
	2. Marginal Bund (with Sodding)	No.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3.Submergence Bundhi (with Sodding)	No.	7125	2.94	0.0	0.0	11242	4.63	14950	6.16	8736	3.60

	<b><u>B- Water Resource Development</u></b>										0	0.00
	1 Earthen Checkdam	No	12846	10.96	12102	9.40	7706	4.42	8952	8.51	9927	6.03
	1a - Water storing capacity	cum.	1950	-	1800	-	1050	-	1650	-	600	0.00
	1b- Area proposed for irrigation (only one irrigation)	ha	3	-	3	-	2	-	3	-	1	0.00
	2. Resever Check Dam	No.	19240	15.56	16982	14.98	8200	7.68	10920	8.58	0	0.00
	2a- Water storing capacity	cum.	14000	-	20700	-	8000	-	9000	-	0	0.00
	2b. Area proposed for irrigation	ha	23	-	35	-	13	-	15	-	0	0.00
	3. Water Harvesting Bund with surplushing structure	No.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10140	7.17
	3a-Water storing capacity	cum.	0.0	-	0.0	-	0.0	-	0.0	-	3300	-
	3b. Area proposed for irrigation by WHB	ha	0.0	-	0.0	-	0.0	-	0.0	-	6	-
	<b>Sub Total</b>			<b>33.40</b>		<b>27.55</b>		<b>16.73</b>		<b>23.25</b>		<b>16.80</b>
II	<b><u>Livelihood for landless People</u></b>											
	1. Goatary	No. of SHGs /No. of beneficiaries	3/30	0.75	3/30	0.75	2/20	0.50	2/20	0.50	2/20	0.50
	2. Back Yard Poultry	do	3/30	0.75	3/30	0.75	2/20	0.50	2/20	0.50	2/20	0.50
	3. Poultry (Broiler)	do	3/30	0.75	2/20	0.50	1/10	0.25	2/20	0.50	1/10	0.25
	4. Black Smithy	do	2/20	0.50	1/10	0.25	0	0.00	1/10	0.25	1/10	0.25
	5. Rope Making (Linseed)	do	2/20	0.50	1/10	0.25	1/10	0.25	1/10	0.25	1/10	0.25

	6. Tailoring	do	2/20	0.50	2/20	0.50	1/10	0.25	1/10	0.26	1/10	0.25
	7. Vermi composting	do	2/20	0.50	2/20	0.50	1/10	0.25	2/20	0.50	1/10	0.28
	8. Fruit Processing	do	2/20	0.50	2/20	0.53	1/10	0.25	2/20	0.50	1/10	0.28
	9. Seed Bank	do	2/20	0.62	2/20	0.40	2/20	0.44	2/20	0.48	1/10	0.15
	<b>Sub Total</b>		21/210	5.37	18/180	4.43	110/11	2.69	150/15	3.74	110/11	2.70
III	<b>Agriculture Production System</b>											
	<b>(1)SMC Area</b>											
	<b>A- Crop Demonstrations- (Crop Wise)</b>											
	1. Lentil	No. of farmers /Area (ha)	8/3.2	0.38	8/3.2	0.38	5/2.0	0.24	7/2.8	0.33	5/2.0	0.24
	2. Chickpea	No. of farmers /Area (ha)	8/3.2	0.44	8/3.2	0.44	5/2.0	0.27	7/2.8	0.38	5/2.0	0.27
	3. Field Pea)	No. of farmers /Area (ha)	8/3.2	0.46	8/3.2	0.46	5/2.0	0.29	7/2.8	0.40	5/2.0	0.29
	4. Til	No. of farmers /Area (ha)	8/3.2	0.14	8/3.2	0.14	5/2.0	0.08	7/2.8	0.12	5/2.0	0.08
	5. Urd	No. of farmers /Area (ha)	8/3.2	0.28	8/3.2	0.28	5/2.0	0.18	7/2.8	0.25	5/2.0	0.18
	6. Moong	No. of farmers /Area (ha)	8/3.2	0.29	8/3.2	0.29	6/6	0.22	7/2.8	0.26	6/2.4	0.22
	7. Arhar	No. of farmers /Area (ha)	8/3.2	0.24	9/3.6	0.27	6/6	0.18	6/2.4	0.18	6/2.4	0.18
	8. Wheat	No. of farmers /Area (ha)	9/3.6	0.55	9/3.6	0.52	6/6	0.35	6/2.4	0.36	6/2.4	0.35
	<b>(2) Water Resource Area:</b>											
	<b>B- Production of seeds</b>											

1. Lentil	No. of farmers /Area (ha)	7/2.8	0.33	6/2.4	0.28	3/1.2	0.14	4/1.6	0.19	3/1.2	0.14
2. Chickpea	No. of farmers /Area (ha)	7/2.8	0.38	6/2.4	0.33	3/1.2	0.16	4/1.6	0.22	3/1.2	0.16
3. Field Pea	No. of farmers /Area (ha)	7/2.8	0.40	6/2.4	0.34	3/1.2	0.17	4/1.6	0.23	3/1.2	0.17
4. Til	No. of farmers /Area (ha)	7/2.8	0.12	6/2.4	0.10	3/1.2	0.05	4/1.6	0.07	3/1.2	0.05
5. Urd	No. of farmers /Area (ha)	7/2.8	0.25	6/2.4	0.21	3/1.2	0.11	4/1.6	0.14	3/1.2	0.11
6. Moong	No. of farmers /Area (ha)	7/2.8	0.26	5/2.0	0.18	4/1.6	0.15	5/2.0	0.18	3/1.2	0.11
7. Arhar	No. of farmers /Area (ha)	8/3.2	0.24	5/2.0	0.15	4/1.6	0.12	5/2.0	0.15	3/1.2	0.09
8. Wheat	No. of farmers /Area (ha)	9/3.6	0.52	5/2.0	0.29	4/1.6	0.23	5/2.0	0.29	2/0.8	0.11
<b>3 Agro forestry:-</b>											
1- Aonla based agroforestry system	Area in ha	1	0.18	1	0.18	0	0.00	1	0.18	1	0.18
2. Guava based agroforestry system	Area in ha	1	0.18	0	0.00	0	0.00	1	0.18	0	0.00
<b>4. Live Stock Management</b>											
A. fodder production	No. of Units	10	0.06	9	0.05	5	0.03	5	0.03	8	0.05
B. Vaccination/Medication	No. of Animals	20	0.03	15	0.02	15	0.03	18	0.02	16	0.02
C. Artificial Insemination	No. of Animals	21	0.01	15	0.01	16	0.01	17	0.01	16	0.01
D. Natural Service	He Buffalo	1	0.24	0	0.00	0	0.00	0	0.00	0	0.00
<b>Total for Ag. Production System</b>			<b>5.96</b>		<b>4.92</b>		<b>2.99</b>		<b>4.15</b>		<b>3.00</b>
<b>Grand Total</b>			<b>44.73</b>		<b>36.90</b>		<b>22.41</b>		<b>31.14</b>		<b>22.50</b>

Micro-watershed wise details of Watershed Development Activities proposed in IWMP-XIX, Mahoba

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Sr No.	Particular of Measures/Activities	Unit	Asthaun 2C1A3p2g		Asthaun 2C1A3n1a		Luhari 2C1A3w1a		Rampura Kadeem 2C1A3w1b		Ghutwai 2C1A3n2e		IWMP- XIX	
			No., Length/ ha, Volume	Qanty .	Cost (Rs. In lakh)	Qant y.	Cost (Rs. In lakh)	Qant y.	Cost (Rs. In lakh)	Qant y.	Cost (Rs. In lakh)	Qanty.	Cost (Rs. In lakh)	Qanty.
I	<b>Soil &amp; Water Conservation Measures</b>													
	<b>A- Moisture Conservation Measures</b>													
	1. Peripheral Bund (with Sodding)	cum.	0.00	0.00	0.00	0.00	5551	2.29	0.00	0.00	0.00	0.00	60579	29.85
	2. Marginal Bund (with Sodding)	cum.	0.00	0.00	0.00	0.00	0.00	0.00	3	1.20	9	6.54	23820	9.82
	3.Submergence Bundhi (with Sodding)	cum.	16363	3.45	1371	0.56	0.00	0.00	0.00	0.00	8	8.54	210678	91.29
	<b><u>B- Water Resource Development</u></b>													
	1 Earthen Checkdam	No	29363	8.45	3741	1.82	13201	6.51	0.00	0.00	3	5.29	303455	194.97
	1a - Water storing capacity	cum.	1500	-	450	-	1350	-	0.00	-	9100	-	83240	
	1b- Area proposed for irrigation	ha	3	-	1	-	2	-	0.00	-	15	-	138	
	2. Resever Check Dam	No.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67814	58.76

	2a- Water storing capacity	cum.	0.00	-	0.00	-	0.00	-	0.00	-	0.00	-	55350	-
	2b. Area proposed for irrigation	ha	0.00	-	0.00	-	0.00	-	0.00	-	0.00	-	92	-
	3. Water Harvesting Bund with surplus structure	No.	32550	17.74	3912	1.84	6225	5.18	10147	4.85	27840	16.39	90815	53.17
	3a-Water storing capacity	cum.	9900	-	3300	-	4950	-	6600	-	6600	-	34650	-
	3b. Area proposed for irrigation by WHB	ha	17	-	6	-	8	-	11	-	11	-	58	-
	<b>Sub Total</b>			<b>29.64</b>		<b>4.23</b>		<b>13.98</b>		<b>6.05</b>		<b>36.76</b>	0	437.88
II	<b><u>Livelihood for landless People</u></b>													
	1. Goatary	No. of SHGs/ No. of beneficiaries	3/30	0.75	1/10	0.25	2/20	0.50	1/10	0.25	3/30	0.75	42/420	10.5
	2. Back Yard Poultry	do	2/20	0.50	1/10	0.25	1/10	0.25	1/10	0.25	3/30	0.75	39/390	9.75
	3. Poultry (Broiler)	do	2/20	0.50	1/10	0.18	1/10	0.25	1/10	0.25	3/30	0.75	33/330	8.18
	4. Black Smithy	do	2/20	0.50	0	0.00	0	0.00	0	0.00	2/20	0.50	23/230	5.75
	5. Rope Making (Linseed)	do	2/20	0.50	0	0.00	1/10	0.25	0	0.00	2/20	0.50	25/250	6.25
	6. Tailoring	do	2/20	0.50	0	0.00	1/10	0.25	0	0.00	2/20	0.50	25/250	6.26
	7. Vermi composting	do	2/20	0.50	0	0.00	1/10	0.25	1/10	0.22	3/30	0.75	31/310	7.75
	8. Fruit Processing	do	2/20	0.50	0	0.00	1/10	0.25	0	0.00	3/30	0.75	33/330	8.31
	9. Seed Bank	do	2/20	0.51	0	0.00	1/10	0.25	0	0.00	3/30	0.66	34/340	7.63
	<b>Sub Total</b>		190/19	4.76	30/3	0.68	90/9	2.25	40/4	0.97	240/24	5.91	285/2850	70.37
III	<b><u>Agriculture</u></b>													

<b>Production System</b>														
<b>(1)SMC Area</b>														
<b>A- Crop Demonstrations- (Crop Wise)</b>														
1. Lentil	No. of farmers /Area (ha)	8/3.2	0.38	1/0.4	0.05	4/1.6	0.19	2/0.8	0.09	10/4.0	0.47	115/28.75	5.45	
2. Chickpea	do	8/3.2	0.44	1/0.4	0.05	4/1.6	0.22	2/0.8	0.11	10/4.0	0.54	115/28.75	6.26	
3. Field Pea)	do	8/3.2	0.46	1/0.4	0.06	4/1.6	0.23	2/0.8	0.11	10/4.0	0.57	113/28.25	6.49	
4. Til	do	8/3.2	0.14	1/0.4	0.02	4/1.6	0.07	2/0.8	0.03	10/4.0	0.17	111/27.75	1.88	
5. Urd	do	7/2.8	0.25	1/0.4	0.04	4/1.6	0.14	2/0.8	0.07	10/4.0	0.35	109/27.25	3.86	
6. Moong	do	7/2.8	0.26	1/0.4	0.04	4/1.6	0.15	2/0.8	0.07	10/4.0	0.36	110/27.50	4.01	
7. Arhar	do	7/2.8	0.21	1/0.4	0.03	5/2.0	0.15	2/0.8	0.06	10/4.0	0.30	110/27.50	3.25	
8. Wheat	do	7/2.8	0.40	1/0.4	0.06	5/2.0	0.30	3/1.2	0.16	11/4.4	0.64	113/28.25	6.57	
<b>(2) Water Resource Area:</b>														
<b>B- Production of seeds</b>														
1. Lentil	No. of farmers /Area (ha)	6/6	0.28	1/0.4	0.05	2/0.8	0.09	1/0.4	0.05	7/2.8	0.33	88/22.00	4.18	
2. Chickpea	do	6/6	0.33	1/0.4	0.05	2/0.8	0.11	1/0.4	0.05	7/2.8	0.38	87/21.75	4.74	
3. Field Pea	do	6/6	0.34	1/0.4	0.06	2/0.8	0.11	1/0.4	0.06	7/2.8	0.40	87/21.75	5	
4. Til	do	6/6	0.10	1/0.4	0.02	2/0.8	0.03	1/0.4	0.02	7/2.8	0.12	87/21.75	1.48	
5. Urd	do	6/6	0.21	1/0.4	0.04	2/0.8	0.07	1/0.4	0.04	7/2.8	0.25	85/21.25	3.01	

6. Moong	do	6/6	0.22	1/0.4	0.04	2/0.8	0.07	1/0.4	0.04	8/3.2	0.29	87/21.75	3.17
7. Arhar	do	7/2.8	0.21	1/0.4	0.03	2/0.8	0.06	1/0.4	0.03	8/3.2	0.24	89/22.25	2.63
8. Wheat	do	7/2.8	0.40	1/0.4	0.06	2/0.8	0.10	1/0.4	0.06	8/3.2	0.47	88/22.00	5.06
<b><u>Agro forestry:-</u></b>													
1- Aonla	Area in ha	1	0.18	1	0.05	1	0.18	1	0.05	1	0.18	21	3.78
2. Guava	Area in ha	1	0.18	1	0.06	1	0.18	1	0.06	1	0.18	15	2.7
<b><u>Live Stock Management</u></b>													
A. fodder production	Farmers/ No. of Units	8	0.05	8	0.05	4	0.02	2	0.01	5	0.03	242	1.45
B. Vaccination/Medicati on	No. of Animals	15	0.02	35	0.03	8	0.02	5	0.01	20	0.01	455	0.43
C. Artificial Insemination	No. of Animals	17	0.01	26	0.01	8	0.00	4	0.00	15	0.01	437	0.17
D. Natural Service.	He Buffalo	1	0.24	0	0.00	0	0.00	0	0.00	1	0.24	11	2.64
<b>Total for Ag. Production System</b>			<b>5.29</b>		<b>0.76</b>		<b>2.50</b>		<b>1.08</b>		<b>6.56</b>		<b>78.19</b>
<b>Grand Total</b>			<b>39.69</b>		<b>5.67</b>		<b>18.72</b>		<b>8.10</b>		<b>49.23</b>		<b>586.44</b>

**Table 5.2: Gram panchayat wise details of Watershed Development Activities proposed in IWMP-XIX, Mahoba**

Sr. No.	Particular of Measures/Activities	Unit	Brajjpur		Imaliya Daang		Kurera Dang		Karhara Kalan	
			No., Length/ha, Volume	Qanty .	Cost (Rs. In lakh)	Qanty .	Cost (Rs. In lakh)	Qanty .	Cost (Rs. In lakh)	Qanty .
I	<b>Soil &amp; Water Conservation Measures</b>									
	<b>A- Moisture Conservation Measures</b>									
	2. Peripheral Bund (with Sodding)	cum.	7353	3.38	4037	1.86	1803	0.83	2733	1.26
	3. Marginal Bund (with Sodding)	cum.	5039	2.08	0.0	0.0	0.0	0.0	0.0	0.0
	4.Submergence Bundhi (with Sodding)	cum.	22848	10.15	12542	5.57	5603	2.49	8491	3.77
	<b><u>B- Water Resource Development</u></b>									
	1. Check Dam / Drop Spill Way	No.	32807	22.09	18009	12.12	8045	5.42	12192	8.21
	1a- Water storing capacity	cum.	10547	-	5790	-	2587	-	3920	-
	1b. Area proposed for irrigation	ha	18	-	10	-	4	-	7	-
	2. Water Harvesting Bund with surplusing structure	No.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	2a-Water storing capacity	cum.	0.0	-	0.0	-	0.0	-	0.0	-
	2b. Area proposed for irrigation by WHB	ha	0.0	-	0.0	-	0.0	-	0.0	-
	<b>Sub Total</b>			<b>37.70</b>		<b>19.56</b>		<b>8.74</b>		<b>13.24</b>
II	<b><u>Livelihood for landless People</u></b>									

	1. Goatary	No. of SHGs/ No. of beneficiaries	3/30	0.75	2/20	0.50	1/10	0.25	1/10	0.25
	2. Back Yard Poultry	-do-	3/30	0.75	2/20	0.50	1/10	0.25	1/10	0.25
	3. Poultry (Broiler)	-do-	3/30	0.75	1/10	0.25	1/10	0.25	1/10	0.25
	4. Black Smithy	-do-	2/20	0.50	1/10	0.25	0	0.00	1/10	0.25
	5. Rope Making (Linseed)	-do-	2/20	0.50	1/10	0.25	0	0.00	1/10	0.25
	6. Tailoring	-do-	2/20	0.50	1/10	0.25	0	0.00	1/10	0.25
	7. Vermi composting	-do-	3/30	0.75	1/10	0.25	1/10	0.25	1/10	0.25
	8. Fruit Processing	-do-	3/30	0.75	2/20	0.50	1/10	0.25	1/10	0.25
	9. Seed Bank	-do-	3/30	0.81	2/20	0.39	1/10	0.15	1/10	0.13
	<b>Sub Total</b>		24/240	6.06	13/130	3.14	6/60	1.40	9/90	2.13
III	<b><u>Agriculture Production System</u></b>									
	<b>A- Crop Demonstrations- (Crop Wise)</b>									
	<b>(1)SMC Area:</b>									
	1. Lentil	No. of farmers /Area (ha)	8/3.2	0.38	5/2.0	0.24	3/1.2	0.14	3/1.2	0.14
	2. Chickpea	-do-	8/3.2	0.44	5/2.0	0.27	3/1.2	0.16	3/1.2	0.16
	3. Field Pea	-do-	8/3.2	0.46	4/1.6	0.23	3/1.2	0.17	3/1.2	0.17
	4. Til	-do-	8/3.2	0.14	4/1.6	0.07	2/0.8	0.03	3/1.2	0.05
	5. Urd	-do-	8/3.2	0.28	4/1.6	0.14	2/0.8	0.07	3/1.2	0.11
	6. Moong	-do-	7/2.8	0.26	4/1.6	0.15	2/0.8	0.07	3/1.2	0.11
	7. Arhar	-do-	7/2.8	0.21	4/1.6	0.12	2/0.8	0.06	3/1.2	0.09
	8. Wheat	-do-	7/2.8	0.40	4/1.6	0.23	2/0.8	0.12	3/1.2	0.17
	<b>(2) Water Resource Area:</b>									
	<b>B- Production of seeds</b>									

1. Lentil	No. of farmers /Area (ha)	7/2.8	0.33	4/1.6	0.19	2/0.8	0.09	3/1.2	0.14	
2. Chickpea	-do-	7/2.8	0.38	4/1.6	0.22	2/0.8	0.11	3/1.2	0.16	
3. Field Pea	-do-	7/2.8	0.40	4/1.6	0.23	2/0.8	0.11	3/1.2	0.17	
4. Til	-do-	7/2.8	0.12	4/1.6	0.07	2/0.8	0.03	3/1.2	0.05	
5. Urd	-do-	7/2.8	0.25	4/1.6	0.14	2/0.8	0.07	3/1.2	0.11	
6. Moong	-do-	7/2.8	0.26	4/1.6	0.15	2/0.8	0.07	3/1.2	0.11	
7. Arhar	-do-	7/2.8	0.21	4/1.6	0.12	2/0.8	0.06	3/1.2	0.09	
8. Wheat	-do-	7/2.8	0.40	4/1.6	0.23	2/0.8	0.12	3/1.2	0.17	
<b><u>Agro forestry:-</u></b>										
1- Aonla	Area in ha	3	0.54	1	0.18	0	0.00	1	0.18	
2. Guava	Area in ha	3	0.54	1	0.18	0	0.00	0	0.00	
<b><u>Live Stock Management</u></b>										
A. fodder production	No. of Units	38	0.23	15	0.09	7	0.04	24	0.14	
B. Vaccination/Medication	No. of Animals	38	0.02	15	0.01	20	0.01	25	0.02	
C. Artificial Insemination	No. of Animals	38	0.02	15	0.01	20	0.01	25	0.01	
D. Natural Service.	He Buffalo	2	0.48	1	0.24	0	0.00	0	0.00	
<b>Total for Ag. Production System</b>			<b>6.73</b>		<b>3.49</b>		<b>1.56</b>		<b>2.36</b>	
<b>Grand Total</b>			<b>50.49</b>		<b>26.19</b>		<b>11.70</b>		<b>17.73</b>	

Gram panchayat wise details of Watershed Development Activities proposed in IWMP-XIX, Mahoba

Cont...

Sr. No.	Particular of Measures/Activities	Unit	Supa		Bagraun		Bamhourri Kalan		Bamrara	
			No., Length/ha, Volume	Qanty .	Cost (Rs. In lakh)	Qanty .	Cost (Rs. In lakh)	Qanty .	Cost (Rs. In lakh)	Qanty .
I	<b>Soil &amp; Water Conservation Measures</b>									
	<b>A- Moisture Conservation Measures</b>									
	2. Peripheral Bund (with Sodding)	cum.	3448	1.59	3745	1.72	4023	1.85	3551	1.63
	3. Marginal Bund (with Sodding)	cum.	0	0.00	0	0.00	0	0.00	0	0.00
	4. Submergence Bundhi (with Sodding)	cum.	10714	4.76	11637	5.17	12499	5.56	11034	4.90
	<b><u>B- Water Resource Development</u></b>									
	3. Check Dam / Drop Spill Way	No.	15384	10.36	16710	11.25	17947	12.08	15843	10.67
	3a- Water storing capacity	cum.	4946	-	5372	-	5770	-	5093	-
	3b. Area proposed for irrigation	ha	8	-	9	-	10	-	8	-
	4. Water Harvesting Bund with surplusing structure	No.	10080	10.85	0.0	0.0	0.0	0.0	0.0	0.0
	4a- Water storing capacity	cum.	3000	-	0.0	-	0.0	-	0.0	-
	4b. Area proposed for irrigation by WHB	ha	5	-	0.0	-	0.0	-	0.0	-
	<b>Sub Total</b>			<b>27.55</b>		<b>18.14</b>		<b>19.49</b>		<b>17.20</b>
II	<b><u>Livelihood for landless People</u></b>									

	1. Goatary	No. of SHGs/ No. of beneficiaries	2/20	0.50	2/20	0.50	2/20	0.50	2/20	0.50
	2. Back Yard Poultry	-do-	2/20	0.50	2/20	0.50	1/10	0.25	1/10	0.25
	3. Poultry (Broiler)	-do-	2/20	0.50	1/10	0.25	1/10	0.25	1/10	0.25
	4. Black Smithy	-do-	2/20	0.50	1/10	0.25	1/10	0.25	1/10	0.25
	5. Rope Making (Linseed)	-do-	2/20	0.50	1/10	0.25	1/10	0.25	1/10	0.25
	6. Tailoring	-do-	2/20	0.50	1/10	0.25	1/10	0.25	1/10	0.25
	7. Vermi composting	-do-	2/20	0.50	1/10	0.25	2/20	0.50	1/10	0.25
	8. Fruit Processing	-do-	2/20	0.50	1/10	0.25	2/20	0.50	1/10	0.25
	9. Seed Bank	-do-	2/20	0.43	2/20	0.42	2/20	0.38	2/20	0.51
	<b>Sub Total</b>		18/130	4.43	12/120	2.92	13/130	3.13	11/110	2.76
III	<b><u>Agriculture Production System</u></b>									
	<b>A- Crop Demonstrations- (Crop Wise)</b>									
	<b>(1)SMC Area:</b>									
	1. Lentil	No. of farmers /Area (ha)	7/2.8	0.33	5/2.0	0.24	4/1.6	0.19	5/2.0	0.24
	2. Chickpea	-do-	7/2.8	0.38	5/2.0	0.27	4/1.6	0.22	5/2.0	0.27
	3. Field Pea	-do-	7/2.8	0.40	5/2.0	0.29	4/1.6	0.23	4/1.6	0.23
	4. Til	-do-	7/2.8	0.12	5/2.0	0.08	4/1.6	0.07	4/1.6	0.07
	5. Urd	-do-	6/2.4	0.21	5/2.0	0.18	4/1.6	0.14	4/1.6	0.14
	6. Moong	-do-	6/2.4	0.22	5/2.0	0.18	4/1.6	0.15	4/1.6	0.15
	7. Arhar	-do-	6/2.4	0.18	4/1.6	0.12	4/1.6	0.12	4/1.6	0.12
	8. Wheat	-do-	6/2.4	0.35	4/1.6	0.23	4/1.6	0.23	4/1.6	0.23
	<b>(2) Water Resource Area:</b>									
	<b>B- Production of seeds</b>									

1. Lentil	No. of farmers /Area (ha)	6/2.4	0.28	4/1.6	0.19	4/1.6	0.19	4/1.6	0.19	
2. Chickpea	-do-	6/2.4	0.33	4/1.6	0.22	4/1.6	0.22	4/1.6	0.22	
3. Field Pea	-do-	6/2.4	0.34	4/1.6	0.23	4/1.6	0.23	4/1.6	0.23	
4. Til	-do-	6/2.4	0.10	4/1.6	0.07	4/1.6	0.07	4/1.6	0.07	
5. Urd	-do-	6/2.4	0.21	4/1.6	0.14	4/1.6	0.14	4/1.6	0.14	
6. Moong	-do-	6/2.4	0.22	4/1.6	0.15	3/1.2	0.11	4/1.6	0.15	
7. Arhar	-do-	6/2.4	0.18	4/1.6	0.12	3/1.2	0.09	4/1.6	0.12	
8. Wheat	-do-	6/2.4	0.35	4/1.6	0.23	3/1.2	0.17	4/1.6	0.23	
<b><u>Agro forestry:-</u></b>										
1- Aonla	Area in ha	1	0.18	1	0.18	2	0.36	1	0.18	
2. Guava	Area in ha	1	0.18	0	0.00	1	0.18	0	0.00	
<b><u>Live Stock Management</u></b>										
A. fodder production	No. of Units	15	0.09	18	0.11	18	0.11	13	0.08	
B. Vaccination/Medication	No. of Animals	25	0.02	18	0.01	27	0.02	25	0.02	
C. Artificial Insemination	No. of Animals	20	0.01	18	0.01	27	0.01	25	0.01	
D. Natural Service.	He Buffalo	1	0.24	0	0.00	1	0.24	0	0.00	
<b>Total for Ag. Production System</b>			<b>4.92</b>		<b>3.24</b>		<b>3.48</b>		<b>3.07</b>	
<b>Grand Total</b>			<b>36.90</b>		<b>24.30</b>		<b>26.10</b>		<b>23.04</b>	

Gram panchayat wise details of Watershed Development Activities proposed in IWMP-XIX, Mahoba

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Sr. No.	Particular of Measures/Activities	Unit	Sohjana		Fathapur	
		No., Length/ ha, Volume	Qanty.	Cost (Rs. In lakh)	Qanty.	Cost (Rs. In lakh)
I	<b>Soil &amp; Water Conservation Measures</b>					
	<b>A- Moisture Conservation Measures</b>					
	2. Peripheral Bund (with Sodding)	cum.	2545	1.17	11236	5.17
	3. Marginal Bund (with Sodding)	cum.	0	0.00	0	0.00
	4. Submergence Bundhi (with Sodding)	cum.	7907	3.51	34911	15.52
	<b><u>B- Water Resource Development</u></b>					
	3. Check Dam / Drop Spill Way	No.	11354	7.64	50129	33.75
	3a- Water storing capacity	cum.	3650	-	16116	-
	3b. Area proposed for irrigation	ha	6	-	27	-
	4. Water Harvesting Bund with surplusung structure	No.	2392	1.11	0.0	0.0
	4a- Water storing capacity	cum.	650	-	0.0	-
	4b. Area proposed for irrigation by WHB	ha	1	-	0.0	-
	<b>Sub Total</b>			<b>13.44</b>		<b>54.43</b>
II	<b><u>Livelihood for landless People</u></b>					
	1. Goatary	No. of SHGs/ No. of beneficiaries	1/10	0.25	4/40	1.00
	2. Back Yard Poultry	-do-	1/10	0.25	5/50	1.25
	3. Poultry (Broiler)	-do-	1/10	0.25	4/40	1.00
	4. Black Smithy	-do-	1/10	0.25	4/40	1.00
	5. Rope Making (Linseed)	-do-	1/10	0.25	4/40	1.00
	6. Tailoring	-do-	1/10	0.25	3/30	0.75
	7. Vermi composting	-do-	1/10	0.25	3/30	0.75

	8. Fruit Processing	-do-	1/10	0.25	5/50	1.25
	9. Seed Bank	-do-	1/10	0.16	3/30	0.75
	<b>Sub Total</b>		9/90	2.16	35/350	8.75
III	<b><u>Agriculture Production System</u></b>					
	<b>A- Crop Demonstrations- (Crop Wise)</b>					
	<b>(1)SMC Area:</b>					
	1. Lentil	No. of farmers /Area (ha)	4/1.6	0.19	13/5.2	0.62
	2. Chickpea	-do-	4/1.6	0.22	13/5.2	0.71
	3. Field Pea	-do-	4/1.6	0.23	13/5.2	0.75
	4. Til	-do-	4/1.6	0.07	12/4.8	0.20
	5. Urd	-do-	4/1.6	0.14	12/4.8	0.43
	6. Moong	-do-	4/1.6	0.15	12/4.8	0.44
	7. Arhar	-do-	4/1.6	0.12	12/4.8	0.35
	8. Wheat	-do-	4/1.6	0.23	12/4.8	0.69
	<b>(2) Water Resource Area:</b>			1.34		4.18
	<b>B- Production of seeds</b>					
	1. Lentil	No. of farmers /Area (ha)	4/1.6	0.19	10/4.0	0.47
	2. Chickpea	-do-	3/1.2	0.16	10/4.0	0.54
	3. Field Pea	-do-	3/1.2	0.17	10/4.0	0.57
	4. Til	-do-	3/1.2	0.05	10/4.0	0.17
	5. Urd	-do-	3/1.2	0.11	8/3.2	0.28
	6. Moong	-do-	3/1.2	0.11	9/3.6	0.33
	7. Arhar	-do-	3/1.2	0.09	9/3.6	0.27
	8. Wheat	-do-	2/0.8	0.12	9/3.6	0.52
	1- Aonla	Area in ha	0	0.00	4	0.72
	2. Guava	Area in ha	0	0.00	4	0.72
	<b><u>Live Stock Management</u></b>					

	A. fodder production	No. of Units	8	0.05	22	0.13
	B. Vaccination/Medication	No. of Animals	15	0.01	80	0.05
	C. Artificial Insemination	No. of Animals	15	0.01	79	0.03
	D. Natural Service.	He Buffalo	0	0.00	3	0.72
	<b>Total for Ag. Production System</b>			<b>2.40</b>		<b>9.72</b>
<b>Grand Total</b>				<b>18.00</b>		<b>72.90</b>

**Gram panchayat wise details of Watershed Development Activities proposed in IWMP-XIX, Mahoba**

Cont...

Sr. No.	Particular of Measures/Activities	Unit	Jarauli		Anghaura		Guda		Asthon	
		No., Length/ ha, Volume	Qanty.	Cost (Rs. In lakh)	Qanty.	Cost (Rs. In lakh)	Qanty.	Qanty.	Qanty.	Cost (Rs. In lakh)
1	2	3	4	5	4	5	4	5	4	5
I	<b>Soil &amp; Water Conservation Measures</b>									
	<b>A- Moisture Conservation Measures</b>									
	1. Peripheral Bund (with Sodding)	No.	2860	3.95	7695	3.17	0.0	0.0	0.0	0.0
	2. Marginal Bund (with Sodding)	No.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3. Submergence Bundhi (with Sodding)	No.	7125	2.94	0.0	0.0	26192	10.79	26470	7.61
	<b>B- Water Resource Development</b>									
	1 Earthen Checkdam	No	12846	10.96	12102	9.40	16658	12.93	43030	16.30

	1a - Water storing capacity	cum.	1950	-	1800	-	2700	-	2550	-
	1b- Area proposed for irrigation	ha	3	-	3	-	5	-	4	-
	2. Resever Check Dam	No.	19240	15.56	16982	14.98	19120	16.26	-	-
	2a- Water storing capacity	cum.	14000	-	20700	-	17000	-	-	-
	2b. Area proposed for irrigation	ha	23	-	35	-	28	-	-	-
	3. Water Harvesting Bund with surplushing structure	No.	0.0	0.0	0.0	0.0	0.0	0.0	46602	26.75
	3a-Water storing capacity	cum.	0.0	-	0.0	-	0.0	-	16500	-
	3b. Area proposed for irrigation by WHB	ha	0.0	-	0.0	-	0.0	-	28	-
	<b>Sub Total</b>			<b>33.40</b>		<b>27.55</b>		<b>39.98</b>		<b>50.67</b>
II	<b>Livelihood for landless People</b>									
	1. Goatary	No. of SHGs/ No. of beneficiaries	3/30	0.75	3/30	0.75	4/40	1.00	6/60	1.50
	2. Back Yard Poultry	do	3/30	0.75	3/30	0.75	4/40	1.00	5/50	1.25
	3. Poultry (Broiler)	do	3/30	0.75	2/20	0.50	3/30	0.75	4/40	0.93
	4. Black Smithy	do	2/20	0.50	10/1	0.25	10/1	0.25	3/30	0.75
	5. Rope Making (Linseed)	do	2/20	0.50	10/1	0.25	2/20	0.50	3/30	0.75
	6. Tailoring	do	2/20	0.50	2/20	0.50	2/20	0.51	3/30	0.75
	7. Vermi composting	do	2/20	0.50	2/20	0.50	3/30	0.75	3/30	0.78
	8. Fruit Processing	do	2/20	0.50	2/20	0.53	3/30	0.75	3/30	0.78
	9. Seed Bank	do	2/20	0.62	2/20	0.40	4/40	0.92	3/30	0.66
	<b>Sub Total</b>		210/21	5.37	180/18	4.43	260/26	6.43	330/33	8.14
III	<b>Agriculture Production System</b>									
	<b>(1)SMC Area</b>									
	<b>A- Crop Demonstrations- (Crop Wise)</b>									

1. Lentil	No. of farmers /Area (ha)	8/3.2	0.38	8/3.2	0.38	12/4.8	0.57	14/5.6	0.66	
2. Chickpea	do	8/3.2	0.44	8/3.2	0.44	12/4.8	0.65	14/5.6	0.76	
3. Field Pea)	do	8/3.2	0.46	8/3.2	0.46	12/4.8	0.69	14/5.6	0.80	
4. Til	do	8/3.2	0.14	8/3.2	0.14	12/4.8	0.20	14/5.6	0.24	
5. Urd	do	8/3.2	0.28	8/3.2	0.28	12/4.8	0.43	13/5.2	0.46	
6. Moong	do	8/3.2	0.29	8/3.2	0.29	12/4.8	0.47	14/5.6	0.51	
7. Arhar	do	8/3.2	0.24	9/3.6	0.27	12/4.8	0.35	14/5.6	0.41	
8. Wheat	do	9/3.6	0.55	9/3.6	0.52	12/4.8	0.70	14/5.6	0.80	
<b>(2) Water Resource Area:</b>										
<b>B- Production of seeds</b>										
1. Lentil	No. of farmers /Area (ha)	7/2.8	0.33	6/6	0.28	7/2.8	0.33	10/4.0	0.47	
2. Chickpea	do	7/2.8	0.38	6/6	0.33	7/2.8	0.38	10/4.0	0.54	
3. Field Pea	do	7/2.8	0.40	6/6	0.34	7/2.8	0.40	10/4.0	0.57	
4. Til	do	7/2.8	0.12	6/6	0.10	7/2.8	0.12	10/4.0	0.17	
5. Urd	do	7/2.8	0.25	6/6	0.21	7/2.8	0.25	10/4.0	0.35	
6. Moong	do	7/2.8	0.26	5/5	0.18	9/3.6	0.33	10/4.0	0.36	
7. Arhar	do	8/3.2	0.24	5/5	0.15	9/3.6	0.27	11/4.4	0.32	
8. Wheat	do	9/3.6	0.52	5/5	0.29	9/3.6	0.51	10/4.0	0.57	
<b>Agro forestry:-</b>										
1- Aonla	Area in ha	1	0.18	1	0.18	1	0.18	2	0.36	
2. Guava	Area in ha	1	0.18	0	0.00	1	0.18	1	0.18	

	<b>Live Stock Management</b>						0	0.00		
	A. fodder production	Farmers/ No. of Units	10	0	9	0.05	10	0.06	16	0.10
	B. Vaccination/Medication	No. of Animals	20	0	15	0.02	33	0.05	39	0.06
	C. Artificial Insemination	No. of Animals	21	0	15	0.01	33	0.01	41	0.02
	D. Natural Service.	He Buffalo	1	0	0	0.00	0	0.00	1	0.24
	<b>Total for Ag. Production System</b>			<b>5.96</b>		<b>4.92</b>		<b>7.14</b>		<b>9.05</b>
	<b>Grand Total</b>			<b>44.76</b>		<b>36.90</b>		<b>54.55</b>		<b>85.21</b>

**Grampanchayat wise break up of Watershed Development Activities in the Micro Watershed**

Cont...

Sr. No.	Particular of Measures/Activities	Unit No., Length/ ha, Volume	luhari		Sabuwa		IWMP-XIX	
			Qanty.	Cost (Rs. In lakh)	Qanty.	Cost (Rs. In lakh)	Qanty.	Qanty.
I	<b>Soil &amp; Water Conservation Measures</b>							
	<b>A- Moisture Conservation Measures</b>							
	1. Peripheral Bund (with Sodding)	No.	5551	2.29	0.0	0.0	60579	29.85
	2. Marginal Bund (with Sodding)	No.	2908	1.20	15873	6.54	23820	9.82
	3. Submergence Bundhi (with Sodding)	No.	<b>0</b>	<b>0.00</b>	12705	8.54	210678	91.29
	<b>B- Water Resource Development</b>							
	1 Earthen Checkdam	No	13201	6.51	7200	5.29	303455	194.97
	1a - Water storing capacity	cum.	1350	-	9100	-	83240	-
	1b- Area proposed for irrigation	ha	2	-	15	-	138	-
	2. Resever Check Dam	No.	0.0	0.0	0.0	0.0	67814	58.76
	2a- Water storing capacity	cum.	0.0	-	0.0	-	55350	-
	2b. Area proposed for irrigation	ha	0.0	-	0.0	-	92	-

	3. Water Harvesting Bund with surplushing structure	No.	16372	10.03	27840	16.39	90815	53.17
	3a-Water storing capacity	cum.	11550	-	6600	-	34650	-
	3b. Area proposed for irrigation by WHB	ha	19	-	11	-	58	-
	<b>Sub Total</b>			<b>20.03</b>		<b>36.76</b>		<b>437.88</b>
II	<b>Livelihood for landless People</b>							
	1. Goatary	No. of SHGs/ No. of beneficiaries	3/30	0.75	3/30	0.75	42/420	10.5
	2. Back Yard Poultry	do	2/20	0.50	3/30	0.75	39/390	9.75
	3. Poultry (Broiler)	do	2/20	0.50	3/30	0.75	33/330	8.18
	4. Black Smithy	do	0	0.00	2/20	0.50	23/230	5.75
	5. Rope Making (Linseed)	do	1/10	0.25	2/20	0.50	25/250	6.25
	6. Tailoring	do	1/10	0.25	2/20	0.50	25/250	6.26
	7. Vermi composting	do	2/20	0.47	3/30	0.75	31/310	7.75
	8. Fruit Processing	do	1/10	0.25	3/30	0.75	33/330	8.31
	9. Seed Bank	do	1/10	0.25	3/30	0.66	34/340	7.63
	<b>Sub Total</b>		13/130	3.22	24/240	5.91	285/2850	70.37
III	<b>Agriculture Production System</b>							
	<b>(1)SMC Area</b>							
	<b>A- Crop Demonstrations- (Crop Wise)</b>							
	1. Lentil	No. of farmers /Area (ha)	6/2.4	0.28	10/4.0	0.47	115/28.75	5.45
	2. Chickpea	do	6/2.4	0.33	10/4.0	0.54	115/28.75	6.26
	3. Field Pea)	do	6/2.4	0.34	10/4.0	0.57	113/28.25	6.49
	4. Til	do	6/2.4	0.10	10/4.0	0.17	111/27.75	1.88
	5. Urd	do	6/2.4	0.21	10/4.0	0.35	109/27.25	3.86

6. Moong	do	6/2.4	0.22	10/4.0	0.36	110/27.50	4.01
7. Arhar	do	7/2.8	0.21	10/4.0	0.30	110/27.50	3.25
8. Wheat	do	8/3.2	0.46	11/4.4	0.64	113/28.25	6.57
<b>(2) Water Resource Area:</b>							
<b>B- Production of seeds</b>							
1. Lentil	No. of farmers /Area (ha)	3/1.2	0.14	7/2.8	0.33	88/22.00	4.18
2. Chickpea	do	3/1.2	0.16	7/2.8	0.38	87/21.75	4.74
3. Field Pea	do	3/1.2	0.17	7/2.8	0.40	87/21.75	5
4. Til	do	3/1.2	0.05	7/2.8	0.12	87/21.75	1.48
5. Urd	do	3/1.2	0.11	7/2.8	0.25	85/21.25	3.01
6. Moong	do	3/1.2	0.11	8/3.2	0.29	87/21.75	3.17
7. Arhar	do	3/1.2	0.09	8/3.2	0.24	89/22.25	2.63
8. Wheat	do	3/1.2	0.16	8/3.2	0.47	88/22.00	5.06
<b>Agro forestry</b>				0	0.00		
1- Aonla	Area in ha	1	0.18	1	0.18	21	3.78
2. Guava	Area in ha	1	0.18	1	0.18	15	2.7
<b>Live Stock Management</b>							
A. fodder production	Farmers/ No. of Units	6	0.04	5	0.03	242	1.45
B. Vaccination/Medication	No. of Animals	13	0.02	20	0.03	455	0.43
C. Artificial Insemination	No. of Animals	12	0.00	15	0.01	437	0.17
D. Natural Service.	He Buffalo	0	0.00	1	0.24	11	2.64
<b>Total for Ag. Production System</b>			<b>3.58</b>		<b>6.56</b>		<b>78.19</b>
<b>Grand Total</b>			<b>26.84</b>		<b>51.86</b>		<b>586.44</b>

### DESIGN AND ESTIMATES OF CHECKDAM

<b>Design of surplusing arrangement No. 1 to be constructed along with WHB</b>							
<b>HYDROLOGIC DESIGN</b>							
Area (ha)	25						
slope	0.0021						
K	7.47						
a	0.17						
b	0.75						
n	0.96						
<b>Time of Concentration</b>							
		Le.77	Se-0.385				
<b>L (m)</b>	700	<b>155.14</b>					
<b>S</b>	0.0021		<b>10.655</b>				
		hour	Tc + b		(tc+b) power n		
<b>Tc</b>	<b>32.185</b>	0.5364	1.2864		1.274		
<b>Intensity</b>							
		Tr power a					
Tr	10	1.4791					
<b>I</b>		8.6758					
<b>Discharge</b>							
			Taken				
	c	0.5	Coeff				
	I	86.758	mm/hr				
	A	25	ha				
	Q	3.0124			Cumec		

<b>HYDRAULIC DESIGN</b>								
	Length of crest weir (m)		<b>2</b>					
	Weir height (m)		h					
		Q = 1.71*L*h power (3/2)						
		h power 3/2	0.8808					
				Taken				
		h	0.919	<b>0.8</b>	hl			
		h + free board	0.9649	<b>0.95</b>				
	<b>Height of WHB</b>		2.35					
	<b>Height of water drop (H)</b>		1.40		Say	<b>1.4</b>		

<b>STABILITY ANALYSIS</b>									
	Let		<b>Top width (m)</b>	t	<b>0.7</b>				
			<b>Bottom width (m)</b>	T	<b>1.5</b>				
	Weight of dam per unit length (kg)			W	3388		W square	<b>11478544</b>	
	Horizontzl water pressure (Kg)			P	980		P square	<b>960400</b>	
	Uplift pressure (kg)			U	(T*w*H)/2	<b>1050</b>			
	Net downword force (kg)			Wn	W-U	<b>2338</b>	Wn Square	<b>5466244</b>	
	Resultant (kg)			R				<b>2535.082642</b>	
				H	1.4				
				Xbar		<b>0.574242</b>			
				Z		<b>0.228951</b>			
	Point of Resultant (xbar+Z)					<b>0.803194</b>			
				EA		0.925758			
				P*H/3		457.3333			
				W*EA		3136.467			



			E (m)	3.45	or	1.65	say	<b>3.00</b>		
<b>Length of Basin Lb</b>										
			Lb (m)= $F(2.28*h/F+0.52)$	2.738			say	<b>2.70</b>		
<b>Height of the sidewall at end sill is taken to be minimum 1.5h1, but more than H/2</b>										
			J (m)	1.5h1	1.2	more than H/2	0.7	<b>1.20</b>		
<b>Height of the sidewall at the weir end</b>										
			Equal to gully depth	2.35				<b>2.35</b>		
			M (m)	$2(F+1.33h-J)$			2.327	<b>2.30</b>		
			K (m)	$Lb+.1-M$			0.473	<b>0.90</b>		
<b>Length of Wing wall (WL)</b>										
			WL = 2.25h				2.1375	<b>2.00</b>		
<b>Depth of Toe Wall</b>										
			h1+0.1				0.9	<b>1.00</b>		

<b>WORK ABSTRACT</b>										
Sl. No.	Item	Specification (m)			Quantity (cum)					
		Length	Breadth	Depth						
1	Clearing of site (Removal of trees, shrubs and bushes)	8.00	10.00							
2	Earth work									
	a) in hard soil Headwall Foundation	2.00	2.50	1.00	5.00	Effective depth				

						will be 0.7 m		
	b) in hard soil RHS of Headwall extension	3.00	2.50	1.20	9.00	"		
	c) in hard soil LHS of Headwall extension	3.00	2.50	1.20	9.00	"		
	d) in hard soil cutoff wall	8.00	1.60	0.80	10.24			
	e) in hard soil side wall on both side	6.40	2.00	2.00	25.60	Effective depth will be 1.25 m		
	f) in hard soil Toe wall	2.00	1.60	1.00	3.20	Effective depth will be 1.00 m		
	g) in hard soil Wing wall on both side	4.00	1.80	1.50	10.80	"		
	h) Apron	2.70	2.30	0.50	3.11			
					<b>Total</b>	<b>75.95</b>		
<b>3</b>	<b>Cement concrete</b>							
	Cement Concrete (1:2:4)							
	a) Head wall coping	2.00	0.70	0.10	0.14			
	b) Apron	2.70	2.30	0.10	0.62			
	c) End sill coping	2.30	0.50	0.10	0.12			
					<b>Total</b>	<b>0.88</b>		
	Cement Concrete (1:4:8)							
	d) Toe wall	2.30	0.70	0.10	0.16			
	e) Apron	2.70	2.30	0.10	0.62			
	f) Side wall on both side	6.40	1.10	0.10	0.70			
	g) Wing wall on both side	4.00	1.00	0.10	0.40			
	h) Headwall and Headwall Extension	8.00	1.60	0.10	1.28			
					<b>Total</b>	<b>3.17</b>		



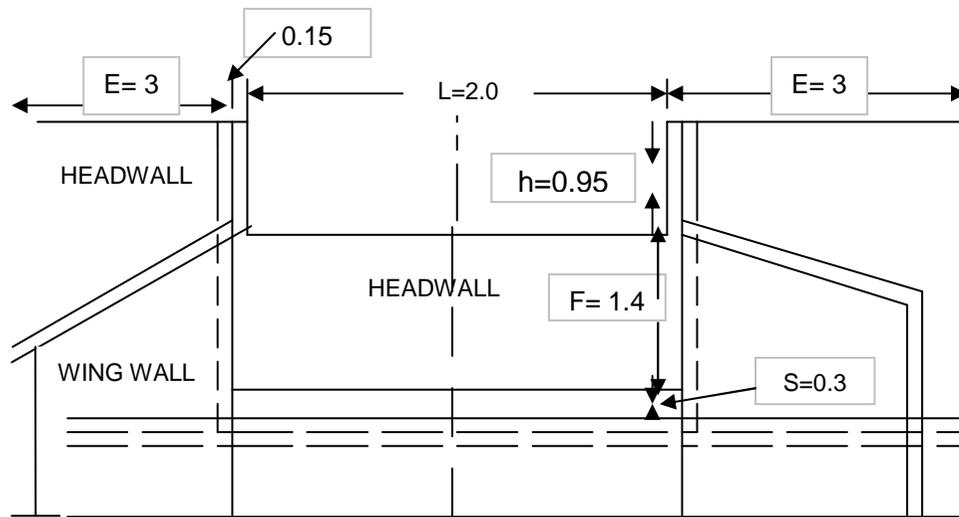
	j) Side wall on both side-Super structure (M Part)-I	4.60	1.00	0.80	3.68			
	k) Side wall on both side-Super structure (M Part)-II	4.60	0.80	0.40	1.47			
	l) Side wall on both side above Part-II mentioned in (i): (M Part)-III	4.60	0.70	0.575	1.85	Avg. ht. of triangle portion=	0.575	
	m) Foundation for wing wall on both side	4.00	0.80	1.00	3.20			
	n) Wing wall on both side-Super structure- Part- I	4.00	0.70	0.60	1.68			
	o) Wing wall on both side-Above Part-I mentioned in (l): Part -II	4.00	0.60	0.30	0.72	Avg. ht. of triangle portion=	0.30	
	p) Toe wall: Part I	2.30	0.70	0.50	0.81			
	q) Toe wall: Part II	2.30	0.60	0.50	0.69			
	r) Transverse Sill	2.30	0.50	0.30	0.35			
	s) Apron	2.70	2.30	0.25	1.55			
					<b>56.16</b>			
<b>6</b>	<b>M S Bar (10 mm, q)</b>				<b>1.50</b>			
<b>7</b>	<b>Providing rough stone pitching in u/s (both side)</b>	35.00	2.35	0.20	<b>16.45</b>			
<b>8</b>	<b>Cement pointing to stone masonry in CM 1:3 (sqm)</b>							
	a) Headwall both side + Extension u/s only	8.00		1.40	11.20			
	b) Side wall both side (RHS and LHS)-Part I	6.40		1.20	7.68			
	c) Side wall both side (RHS and LHS)-Part II	1.80		1.15	2.07			

						Avg. ht. of triangle portion=		
	d) Side wall both side (RHS and LHS)-Part-III	4.60		0.575	2.65		0.575	
	e) Wing wall both side-Part I	4.00		0.60	2.40			
	f) Wing wall both side-Part I	4.00		0.30	1.20	Avg. ht. of triangle portion=	0.30	
				<b>Total</b>	<b>27.20</b>			
<b>9</b>	<b>Filling of black clay soil in the up stream (free from any kind of gravel)</b>				<b>5.00</b>	trolly		

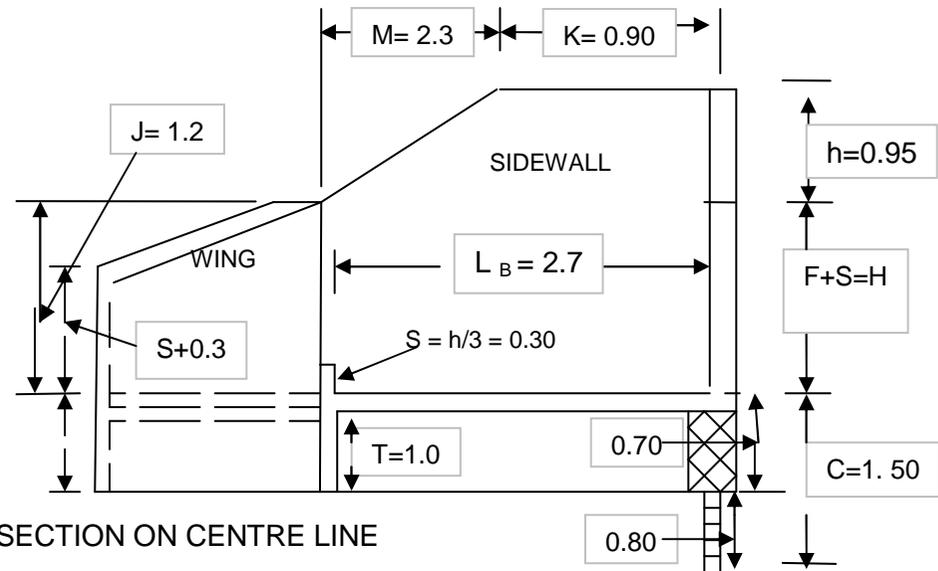
<b>MATERIAL ABSTRACT</b>												
						<b>Required Quantiy</b>						
						Quantiy,cum	Cement,bags	Sand,cum	Conc ,cum	Khanda (cum)	Boulder(cum)	MS Bar (q)
1	Cement Concrete mix (1:2:4): 12 mm conc.					0.88	5.61	0.39	0.79			
2	Cement Concrete mix (1:4:8); 20 mm conc.					3.17	10.76	1.49	2.98			
3	Stone Maspnary in CM 1:4					56.16	140.41	19.10		56.16		
4	MS Bar for reinforcing											1.50
5	Boulder for pitching					16.45					16.45	
6	Cement pointing to stone masonry in CM 1:3 (sqm)					27.20	1.69	0.17				
7	Black clay soil (gravel free)					5.00						
8	Requirement of sand to nullify the impact of cracks							1.86				
					<b>Total</b>		<b>158.46</b>	<b>23.01</b>		<b>56.16</b>	<b>16.45</b>	<b>1.50</b>

<b>COST ABSTRACT</b>						
	<b>Sl. No.</b>	<b>Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate (Rs./Unit)</b>	<b>Amount (Rs.)</b>
A	1	Cement	158	Bag	300.00	47538.57
	2	Sand (good quality)	23.01	m <sup>3</sup>	900.00	20710.47
	3	Concrete-12 mm	0.79	m <sup>3</sup>	1300.00	1024.92
	4	Concrete-20 mm	2.98	m <sup>3</sup>	1200.00	3571.25
	5	Khanda (8"x8"x8")	56.16	m <sup>3</sup>	1000.00	56162.00
	6	M S Bar (10 mm Saria)	1.50	q	4500.00	6750.00
	7	Boulder	16.45	m <sup>3</sup>	700.00	11515.00
	8	Filling of black clay soil in the up stream (free from any kind of gravel)	5.00	Trolley	700.00	3500.00
					<b>Total</b>	<b>150772.20</b>
B	9	Water supply through tanker @ 3 % of material cost				4523.17
C	10	Labour Charges @ 35%				52770.27
					<b>Total (A+B+C)</b>	<b>208065.64</b>
	11	Misc. @ 3%				6241.97
					<b>G. Total</b>	<b>214307.61</b>
		<b>Rs. 2,14,308/- (Rs. Two lakh fourteen thousand three hundred eight only)</b>				

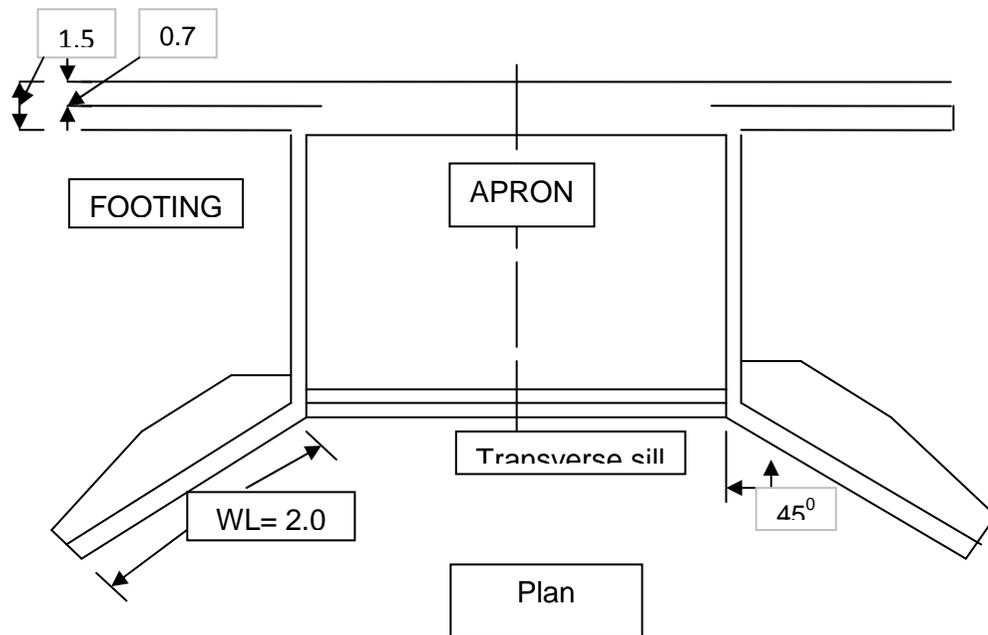
**Note: The cost of materials is inclusive of all taxes and transportation to the site. It is based on the prevailing market rates. It may vary with respect to time**



DOWN STREAM ELEVATION



SECTION ON CENTRE LINE



Plan

- L = Length of weir
- h = Depth of weir
- F = Drop through spillway from crest of weir to top of transverse sill
- S = Height of transverse sill
- $L_B$  = Length of Apron
- T = Depth of toewall below top of apron
- C = Depth of cutoff wall below top of apron
- E = Length of headwall extension
- J = Height of wingwall & sidewall at junction

DESIGNED BY:-  
 DR. R.C. SACHAN  
 EX. SPECIAL SCIENTIST, (LAND & WATER MANAGEMENT)  
 ICRISAT, PATANCHERU, A.P.

Note: Figure not to scale, All dimensions are in Metre

Technical Details of Outlet No. 1 to be constructed along with WHB

<b>Design of surplusing arrangement No. 2 to be constructed along with WHB</b>									
<b>HYDROLOGIC DESIGN</b>									
Area (ha)	20								
slope	0.0022								
K	7.47								
a	0.17								
b	0.75								
n	0.96								
<b>Time of Concentration</b>									
		Le.77	Se-0.385						
<b>L (m)</b>	600	<b>137.78</b>							
<b>S</b>	0.0022		<b>10.61</b>						
		hour	Tc + b		(tc+b) power n				
<b>Tc</b>	<b>28.462</b>	0.4744	1.2244		1.214				
<b>Intensity</b>									
		Tr power a							
Tr	10	1.4791							
<b>I</b>		9.0976							
<b>Discharge</b>									
			Taken						
	c	0.5	Coeff						
	I	90.976	mm/hr						
	A	20	ha						
	Q	2.5271			Cumec				

<b>HYDRAULIC DESIGN</b>								
	Length of crest weir (m)		<b>1.75</b>					
	Weir height (m)		h					
		Q = 1.71*L*h power (3/2)						
		h power 3/2	0.8445					
				Taken				
		h	0.8935	<b>0.9</b>	h1			
		h + free board	0.9382	<b>0.95</b>				
	<b>Height of WHB</b>		2.20					
	<b>Height of water drop (H)</b>		1.25		Say	<b>1.25</b>		

<b>STABILITY ANALYSIS</b>								
	Let		<b>Top width (m)</b>	t	<b>0.6</b>			
			<b>Bottom width (m)</b>	T	<b>1.3</b>			
	Weight of dam per unit length (kg)			W	2612.5		W square	<b>6825156.25</b>
	Horizontzl water pressure (Kg)			P	781.25		P square	<b>610351.5625</b>
	Uplift pressure (kg)			U	(T*w*H)/2	<b>812.5</b>		
	Net downword force (kg)			Wn	W-U	<b>1800</b>	Wn Square	<b>3240000</b>
	Resultant (kg)			R				<b>1962.231271</b>
				H	1.25			
				Xbar		<b>0.496491</b>		
				Z		<b>0.209354</b>		
	Point of Resultant (xbar+Z)					<b>0.705845</b>		
				EA		0.803509		
				P*H/3		325.5208		
				W*EA		2099.167		

						b/6		0.216667			
						b/2		0.65			
		e = xbar+Z-b/2				e (OF)		0.055845			
		fmax = Wn/b(1+6*e/b)				fmax		1741.494			
<b>A Safety against sliding</b>											
						(mu*W)/P		<b>1.152</b>			
<b>B Safety against overturning</b>						(W*EA)/(P*H/3)		<b>2.04004</b>			
<b>C Safety against Tension</b>						e<b/6 or b/6-e should be +ive		<b>0.160822</b>			
<b>D Safety against Crushing</b>					Permiss comp Stress kg/sqm	say		<b>10000</b>			
						PCS-fmax should be +ive		<b>8258.506</b>			
<b>Depth of Foundation</b>											
			Normal scour depth, dn			0.473[Q/f]power1/3					
			Q (cumec)	2.527							
			Q (Cusec)	89.18							
			f is silt factor, take=			1					
			[q/f]			89.1755					
			[q/f] power1/3			4.46768					
			dn (ft)			2.11321					
			dn (m)			0.64427					
			Maximum scour depth, dm			1.5*dn		<b>0.96641</b>			
									Technical Specification		
			Foundation depth, D			1.33 dm		<b>1.28532</b>		<b>1.40</b>	
<b>Minimum length of headwall extension (m)</b>				E=3h+0.6 or 1.5F whichever is greater							
			F is net drop from top of transverse sill to crest								
			St= height of transverse sill= h/3					0.316667	<b>0.30</b>		
			F (m)	0.95							

				E (m)	3.45	or	1.425	say	<b>3.00</b>	
<b>Length of Basin Lb</b>										
				Lb (m)= $F(2.28*h/F+0.52)$			2.66	say	<b>2.50</b>	
<b>Height of the sidewall at end sill is taken to be minimum 1.5h1, but more than H/2</b>										
				J (m)	1.5h1		1.35	more than H/2	0.625	<b>1.20</b>
<b>Height of the sidewall at the weir end</b>										
				Equal to gully depth	2.2					<b>2.20</b>
				M (m)	$2(F+1.33h-J)$				2.027	<b>2.00</b>
				K (m)	Lb+.1-M				0.573	<b>1.00</b>
<b>Length of Wing wall (WL)</b>										
				WL = 2.25h					2.1375	<b>2.00</b>
<b>Depth of Toe Wall</b>										
				h1+0.1					1	<b>1.00</b>

<b>WORK ABSTRACT</b>							
Sl. No.	Item	Specification (m)			Quantity (cum)		
		Length	Breadth	Depth			
1	Clearing of site (Removal of trees, shrubs and bushes)	8.00	10.00				
2	Earth work						
	a) in hard soil Headwall Foundation	1.75	2.50	1.00	4.38	Effective depth will be	

						0.7 m		
	b) in hard soil RHS of Headwall extension	3.00	2.50	1.20	9.00	"		
	c) in hard soil LHS of Headwall extension	3.00	2.50	1.20	9.00	"		
	d) in hard soil cutoff wall	7.75	1.60	0.70	8.68			
	e) in hard soil side wall on both side	6.00	2.00	2.00	24.00	Effective depth will be 1.25 m		
	f) in hard soil Toe wall	1.75	1.60	1.00	2.80	Effective depth will be 1.00 m		
	g) in hard soil Wing wall on both side	4.00	1.80	1.50	10.80	"		
	h) Apron	2.50	2.00	0.50	2.50			
					<b>Total</b>	<b>71.16</b>		
<b>3</b>	<b>Cement concrete</b>							
	Cement Concrete (1:2:4)							
	a) Head wall coping	1.75	0.60	0.10	0.11			
	b) Apron	2.50	2.00	0.10	0.50			
	c) End sill coping	2.00	0.50	0.10	0.10			
					Total	<b>0.71</b>		
	Cement Concrete (1:4:8)							
	d) Toe wall	2.00	0.70	0.10	0.14			
	e) Apron	2.50	2.00	0.10	0.50			
	f) Side wall on both side	6.00	1.10	0.10	0.66			
	g) Wing wall on both side	4.00	1.00	0.10	0.40			
	h) Headwall and Headwall Extension	7.75	1.60	0.10	1.24			

				<b>Total</b>	<b>2.94</b>			
<b>4</b>	<b>Requirement of sand to nullify the impact of cracks</b>							
	a) Below cutoff wall	7.75	0.70	0.05	0.27			
	b) Below Headwall and headwall extension	7.75	1.30	0.05	0.50			
	c) Below side wall on both sides	6.00	1.10	0.05	0.33			
	d) Below wing wall on both side	4.00	1.00	0.05	0.20			
	e) Below apron	2.50	2.00	0.05	0.25			
	f) Below Toe wall	2.00	0.70	0.05	0.07			
				<b>Total</b>	<b>1.63</b>			
<b>5</b>	<b>Stone Masonry in CM 1:4</b>							
	a) Corewall	7.75	0.60	0.70	3.26			
	b) Headwall and Headwall Extension on both side-Foundation	7.75	1.30	0.70	7.05			
	c) Headwall+ Headwall Extension on both side above gully bed-super structure	7.75	0.95	1.25	9.20	Width=(0.6+1.3)/2=0.95 m		
	d) Headwall Extension on both the side above crest	6.00	0.60	0.95	3.42			
	e) Foundation for side wall on both side	6.00	1.10	1.25	8.25			
	f) Side wall on both side -super structure (K Part)-I	2.00	1.00	0.80	1.60			
	g) Side wall on both side-above part-I mentioned in (e): (K Part)-II	2.00	0.80	0.40	0.64			
	h) Side wall on both side above part-II mentioned in (f): (K Part)-III	2.00	0.70	0.60	0.84			
	i) Side wall on both side above part-II mentioned in (f): (K Part)-IV	2.00	0.60	0.40	0.48			

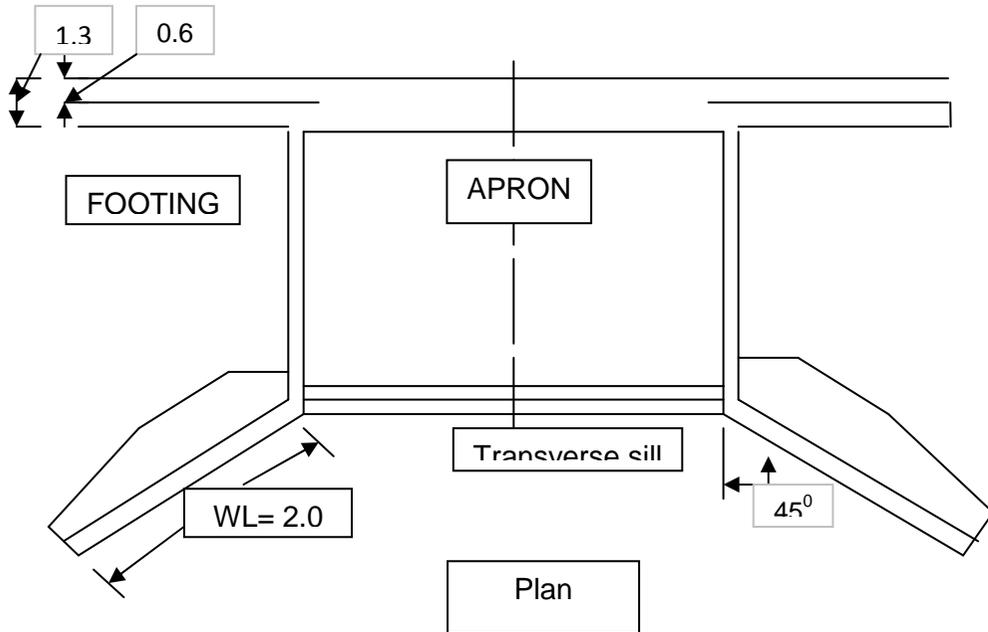
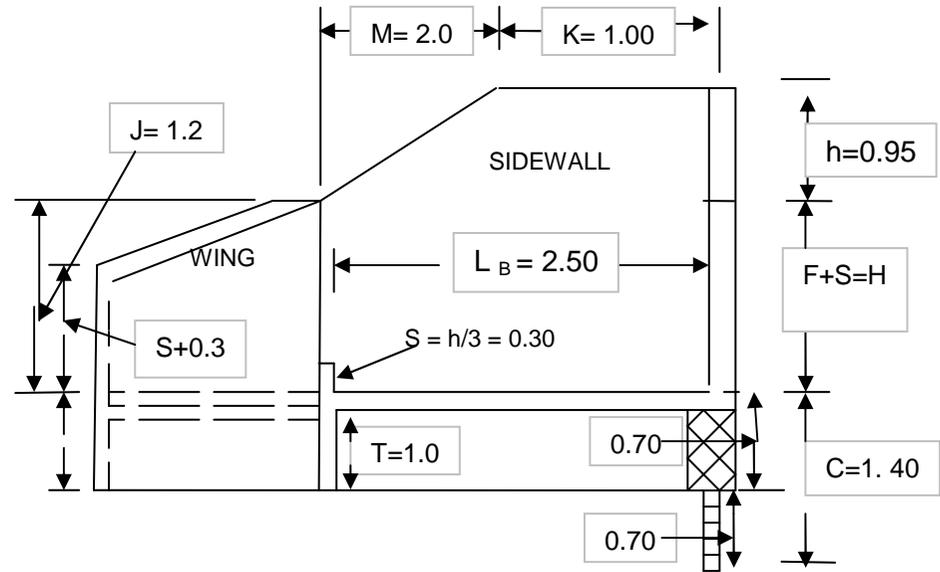
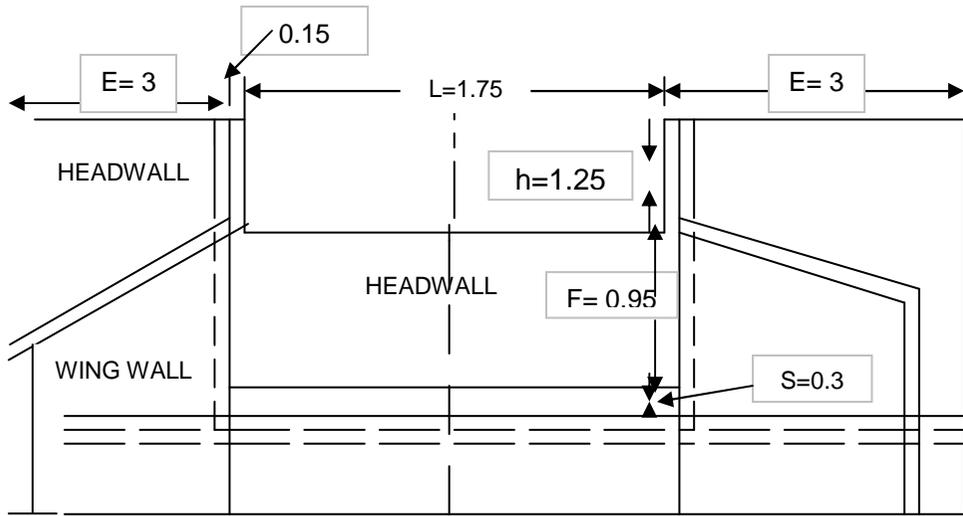
	j) Side wall on both side-Super structure (M Part)-I	4.00	1.00	0.80	3.20			
	k) Side wall on both side-Super structure (M Part)-II	4.00	0.80	0.40	1.28			
	l) Side wall on both side above Part-II mentioned in (i): (M Part)-III	4.00	0.70	0.500	1.40	Avg. ht. of triangle portion=	0.500	
	m) Foundation for wing wall on both side	4.00	0.80	1.00	3.20			
	n) Wing wall on both side-Super structure- Part- I	4.00	0.70	0.60	1.68			
	o) Wing wall on both side-Above Part-I mentioned in (l): Part -II	4.00	0.60	0.30	0.72	Avg. ht. of triangle portion=	0.30	
	p) Toe wall: Part I	2.00	0.70	0.50	0.70			
	q) Toe wall: Part II	2.00	0.60	0.50	0.60			
	r) Transverse Sill	2.00	0.50	0.30	0.30			
	s) Apron	2.50	2.00	0.25	1.25			
					<b>49.07</b>			
<b>6</b>	<b>M S Bar (10 mm, q)</b>				<b>1.25</b>			
<b>7</b>	<b>Providing rough stone pitching in u/s (both side)</b>	35.00	2.20	0.20	<b>15.40</b>			
<b>8</b>	<b>Cement pointing to stone masonry in CM 1:3 (sqm)</b>							
	a) Headwall both side + Extension u/s only	7.75		1.25	9.69			
	b) Side wall both side (RHS and LHS)-Part I	6.00		1.20	7.20			
	c) Side wall both side (RHS and LHS)-Part II	2.00		1.00	2.00			

	d) Side wall both side (RHS and LHS)-Part-III	4.00		0.500	2.00	Avg. ht. of triangle portion=	0.500	
	e) Wing wall both side-Part I	4.00		0.60	2.40			
	f) Wing wall both side-Part I	4.00		0.30	1.20	Avg. ht. of triangle portion=	0.30	
				<b>Total</b>	<b>24.49</b>			
<b>9</b>	<b>Filling of black clay soil in the up stream (free from any kind of gravel)</b>				<b>5.00</b>	trolly		

<b>MATERIAL ABSTRACT</b>												
						<b>Required Quantiy</b>						
						Quantiy,cum	Cement,bags	Sand,cum	Conc ,cum	Khanda (cum)	Boulder(cum)	MS Bar (q)
1	Cement Concrete mix (1:2:4): 12 mm conc.					0.71	4.51	0.32	0.63			
2	Cement Concrete mix (1:4:8); 20 mm conc.					2.94	10.00	1.38	2.76			
3	Stone Maspnary in CM 1:4					49.07	122.68	16.68		49.07		
4	MS Bar for reinforcing											1.25
5	Boulder for pitching					15.40					15.40	
6	Cement pointing to stone masonry in CM 1:3 (sqm)					24.49	1.52	0.15				
7	Black clay soil (gravel free)					5.00						
8	Requirement of sand to nullify the impact of cracks							1.63				
					<b>Total</b>		<b>138.70</b>	<b>20.16</b>		<b>49.07</b>	<b>15.40</b>	<b>1.25</b>

<b>COST ABSTRACT</b>						
	<b>Sl. No.</b>	<b>Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate (Rs./Unit)</b>	<b>Amount (Rs.)</b>
A	1	Cement	139	Bag	300.00	41610.84
	2	Sand (good quality)	20.16	m <sup>3</sup>	900.00	18146.10
	3	Concrete-12 mm	0.63	m <sup>3</sup>	1300.00	824.85
	4	Concrete-20 mm	2.76	m <sup>3</sup>	1200.00	3316.32
	5	Khanda (8"x8"x8")	49.07	m <sup>3</sup>	1000.00	49070.63
	6	M S Bar (10 mm Saria)	1.25	q	4500.00	5625.00
	7	Boulder	15.40	m <sup>3</sup>	700.00	10780.00
	8	Filling of black clay soil in the up stream (free from any kind of gravel)	5.00	Trolley	700.00	3500.00
					<b>Total</b>	<b>132873.73</b>
B	9	Water supply through tanker @ 3 % of material cost				3986.21
C	10	Labour Charges @ 35%				46505.81
					<b>Total (A+B+C)</b>	<b>183365.75</b>
	11	Misc. @ 3%				5500.97
					<b>G. Total</b>	<b>188866.72</b>
		<b>Rs.1,88,867/- (Rs. One lakh eighty eight thousand eight hundred sixty seven only)</b>				

**Note: The cost of materials is inclusive of all taxes and transportation to the site. It is based on the prevailing market rates. It may vary with respect to time**



- L = Length of weir
- h = Depth of weir
- F = Drop through spillway from crest of weir to top of transverse sill
- S = Height of transverse sill
- L<sub>B</sub> = Length of Apron
- T = Depth of toewall below top of apron
- C = Depth of cutoff wall below top of apron
- E = Length of headwall extension
- J = Height of wingwall & sidewall at junction

DESIGNED BY:-  
 DR. R.C. SACHAN  
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 ICRISAT, PATANCHERU, A.P.

Note: Figure not to scale, All dimensions are in Metre

**Technical Details of Outlet No. 2 to be constructed along with WHB**

<b>Design of surplusing arrangement No. 3 to be constructed along with WHB</b>									
<b>HYDROLOGIC DESIGN</b>									
Area (ha)	15								
slope	0.002								
K	7.47								
a	0.17								
b	0.75								
n	0.96								
<b>Time of Concentration</b>									
		Le.77	Se-0.385						
<b>L (m)</b>	500	<b>119.73</b>							
<b>S</b>	0.002		<b>10.942</b>						
		hour	Tc + b		(tc+b) power n				
<b>Tc</b>	<b>25.508</b>	0.4251	1.1751		1.168				
<b>Intensity</b>									
		Tr power a							
Tr	10	1.4791							
<b>I</b>		9.4632							
<b>Discharge</b>									
			Taken						
	c	0.4	Coeff						
	I	94.632	mm/hr						
	A	15	ha						
	Q	1.5772			Cumec				

<b>HYDRAULIC DESIGN</b>									
	Length of crest weir (m)		<b>1.25</b>						
	Weir height (m)		h						
	Q = 1.71*L*h power (3/2)								
	h power 3/2		0.7379						
				Taken					
	h		0.8167	<b>0.7</b>	h1				
	h + free board		0.8576	<b>0.75</b>					
	<b>Height of WHB</b>		1.75						
	<b>Height of water drop (H)</b>		1.00		Say	<b>1</b>			
<b>STABILITY ANALYSIS</b>									
	Let		<b>Top width (m)</b>	t	<b>0.5</b>				
			<b>Bottom width (m)</b>	T	<b>1.1</b>				
	Weight of dam per unit length (kg)			W	1760		W square	<b>3097600</b>	
	Horizontzl water pressure (Kg)			P	500		P square	<b>250000</b>	
	Uplift pressure (kg)			U	(T*w*H)/2	<b>550</b>			
	Net downword force (kg)			Wn	W-U	<b>1210</b>	Wn Square	<b>1464100</b>	
	Resultant (kg)			R				<b>1309.236419</b>	
				H	1				
				Xbar		<b>0.41875</b>			
				Z		<b>0.161415</b>			
	Point of Resultant (xbar+Z)					<b>0.580165</b>			
				EA		0.68125			
				P*H/3		166.6667			
				W*EA		1199			
				b/6		0.183333			

						b/2		0.55		
			$e = \bar{x} + Z - b/2$			e (OF)		0.030165		
			$f_{max} = Wn/b(1+6*e/b)$			fmax		1280.992		
<b>A Safety against sliding</b>										
						$(\mu * W)/P$		<b>1.21</b>		
<b>B Safety against overturning</b>						$(W * EA)/(P * H/3)$		<b>2.104998</b>		
<b>C Safety against Tension</b>						$e < b/6$ or $b/6 - e$ should be +ive		<b>0.153168</b>		
<b>D Safety against Crushing</b>						Permiss comp Stress kg/sqm	say	<b>10000</b>		
						PCS-fmax should be +ive		<b>8719.008</b>		
<b>Depth of Foundation</b>										
						Normal scour depth, dn		$0.473[Q/f]^{1/3}$		
						Q (cumec)	1.577			
						Q (Cusec)	55.66			
						f is silt factor, take=	1			
						[q/f]	55.6554			
						[q/f] power1/3	3.818			
						dn (ft)	1.80591			
						dn (m)	0.55058			
						Maximum scour depth, dm	$1.5 * dn$	<b>0.82587</b>		
										Technical Specification
						Foundation depth, D	1.33 dm	<b>1.09841</b>		<b>1.10</b>
<b>Minimum length of headwall extension (m)</b>						E=3h+0.6 or 1.5F whichever is greater				
						F is net drop from top of transverse sill to crest				
						St= height of transverse sill= h/3		0.25	<b>0.25</b>	
						F (m)	0.75			
						E (m)	2.85	or	1.125	say <b>2.50</b>

<b>Length of Basin Lb</b>									
			$Lb (m) = F(2.28 * h / F + 0.52)$	2.1		say	<b>2.00</b>		
<b>Height of the sidewall at end sill is taken to be minimum 1.5h1, but more than H/2</b>									
			J (m)	1.5h1	1.05	more than H/2	0.5	<b>1.00</b>	
<b>Height of the sidewall at the weir end</b>									
			Equal to gully depth	1.75				<b>1.75</b>	
			M (m)	$2(F + 1.33h - J)$			1.495	<b>1.50</b>	
			K (m)	$Lb + 1 - M$			0.605	<b>1.00</b>	
<b>Length of Wing wall (WL)</b>									
			$WL = 2.25h$				1.6875	<b>1.75</b>	
<b>Depth of Toe Wall</b>									
			h1+0.1				0.8	<b>0.80</b>	

<b>WORK ABSTRACT</b>										
Sl. No.	Item	Specification (m)			Quantity (cum)					
		Length	Breadth	Depth						
1	Clearing of site (Removal of trees, shrubs and bushes)	8.00	10.00							
2	Earth work									
	a) in hard soil Headwall Foundation	1.25	2.10	1.00	2.63	Effective depth will be 0.7 m				

	b) in hard soil RHS of Headwall extension	2.50	2.10	1.20	6.30	"		
	c) in hard soil LHS of Headwall extension	2.50	2.10	1.20	6.30	"		
	d) in hard soil cutoff wall	6.25	1.60	0.40	4.00			
	e) in hard soil side wall on both side	5.00	2.00	1.50	15.00	Effective depth will be 1 m		
	f) in hard soil Toe wall	1.50	1.60	1.00	2.40	Effective depth will be 1.00 m		
	g) in hard soil Wing wall on both side	3.50	1.80	1.50	9.45	"		
	h) Apron	2.00	1.50	0.50	1.50			
					<b>Total</b>	<b>47.58</b>		
<b>3</b>	<b>Cement concrete</b>							
	Cement Concrete (1:2:4)							
	a) Head wall coping	1.25	0.50	0.10	0.06			
	b) Apron	2.00	1.50	0.10	0.30			
	c) End sill coping	1.50	0.50	0.10	0.08			
					<b>Total</b>	<b>0.44</b>		
	Cement Concrete (1:4:8)							
	d) Toe wall	1.50	0.70	0.10	0.11			
	e) Apron	2.00	1.50	0.10	0.30			
	f) Side wall on both side	5.00	1.10	0.10	0.55			
	g) Wing wall on both side	3.50	1.00	0.10	0.35			
	h) Headwall and Headwall Extension	6.25	1.60	0.10	1.00			
					<b>Total</b>	<b>2.31</b>		



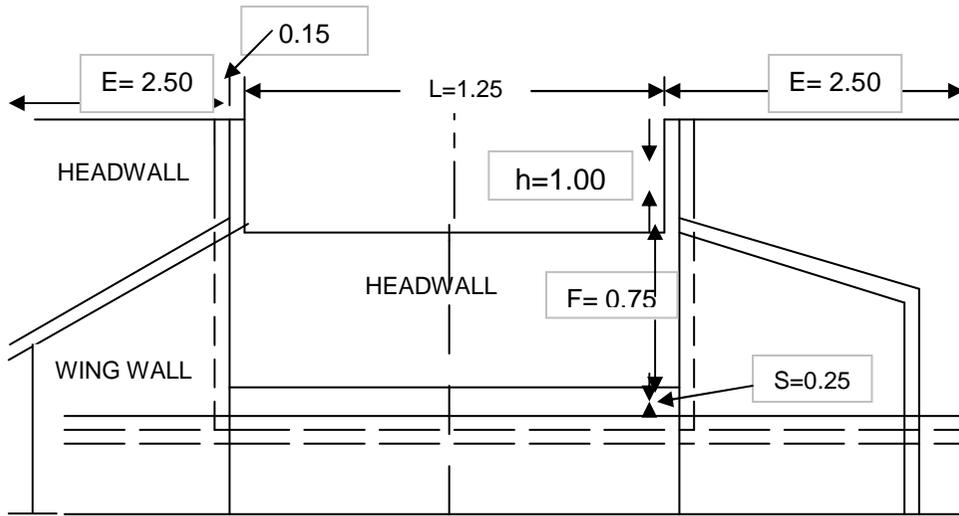
	j) Side wall on both side-Super structure (M Part)-I	3.00	0.90	0.50	1.35			
	k) Side wall on both side-Super structure (M Part)-II	3.00	0.80	0.50	1.20			
	l) Side wall on both side above Part-II mentioned in (i): (M Part)-III	3.00	0.70	0.375	0.79	Avg. ht. of triangle portion=	0.375	
	m) Foundation for wing wall on both side	3.50	0.70	1.00	2.45			
	n) Wing wall on both side-Super structure- Part- I	3.50	0.60	0.55	1.16			
	o) Wing wall on both side-Above Part-I mentioned in (l): Part -II	3.50	0.50	0.23	0.39	Avg. ht. of triangle portion=	0.23	
	p) Toe wall: Part I	1.50	0.70	0.50	0.53			
	q) Toe wall: Part II	1.50	0.60	0.30	0.27			
	r) End Sill	1.50	0.50	0.25	0.19			
	s) Apron	2.00	1.50	0.25	0.75			
					<b>29.11</b>			
<b>6</b>	<b>M S Bar (10 mm, q)</b>				<b>1.00</b>			
<b>7</b>	<b>Providing rough stone pitching in u/s (both side)</b>	35.00	1.75	0.20	<b>12.25</b>			
<b>8</b>	<b>Cement pointing to stone masonry in CM 1:3 (sqm)</b>							
	a) Headwall both side + Extension u/s only	6.25		1.00	6.25			
	b) Side wall both side (RHS and LHS)-Part I	5.00		1.00	5.00			
	c) Side wall both side (RHS and LHS)-Part II	2.00		0.75	1.50			

						Avg. ht. of triangle portion=		
	d) Side wall both side (RHS and LHS)-Part-III	3.00		0.375	1.13		0.375	
	e) Wing wall both side-Part I	3.50		0.55	1.93			
	f) Wing wall both side-Part I	4.00		0.23	0.90	Avg. ht. of triangle portion=	0.23	
				<b>Total</b>	<b>16.70</b>			
<b>9</b>	<b>Filling of black clay soil in the up stream (free from any kind of gravel)</b>				<b>4.00</b>	trolly		

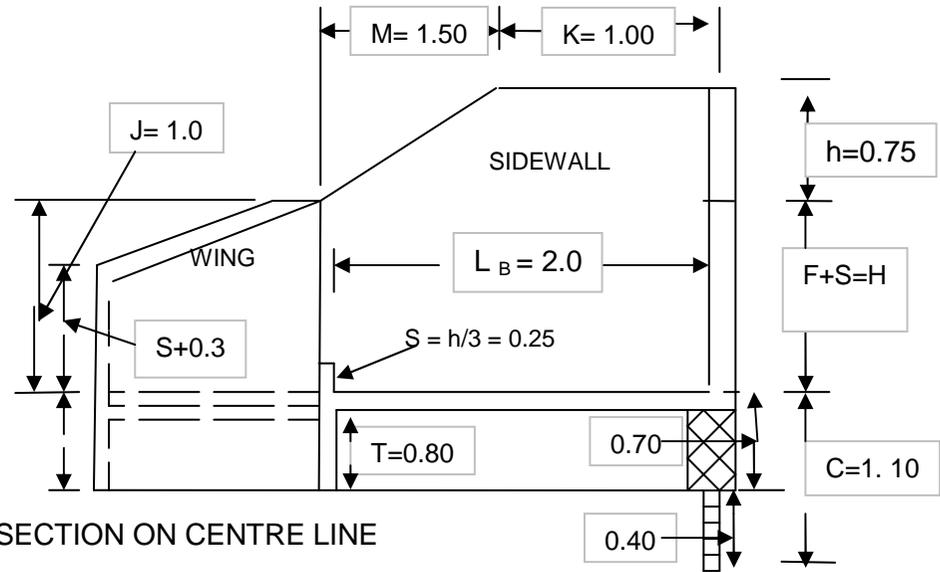
<b>MATERIAL ABSTRACT</b>												
						<b>Required Quantiy</b>						
						Quantiy,cum	Cement,bags	Sand,cum	Conc ,cum	Khanda (cum)	Boulder(cum)	MS Bar (q)
1	Cement Concrete mix (1:2:4): 12 mm conc.					0.44	2.80	0.20	0.39			
2	Cement Concrete mix (1:4:8); 20 mm conc.					2.31	7.84	1.08	2.17			
3	Stone Maspnary in CM 1:4					29.11	72.77	9.90		29.11		
4	MS Bar for reinforcing											1.00
5	Boulder for pitching					12.25					12.25	
6	Cement pointing to stone masonry in CM 1:3 (sqm)					16.70	1.04	0.11				
7	Black clay soil (gravel free)					4.00						
8	Requirement of sand to nullify the impact of cracks							1.25				
					<b>Total</b>		<b>84.44</b>	<b>12.53</b>		<b>29.11</b>	<b>12.25</b>	<b>1.00</b>

<b>COST ABSTRACT</b>						
	<b>Sl. No.</b>	<b>Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate (Rs./Unit)</b>	<b>Amount (Rs.)</b>
A	1	Cement	84	Bag	300.00	25331.41
	2	Sand (good quality)	12.53	m <sup>3</sup>	900.00	11275.03
	3	Concrete-12 mm	0.39	m <sup>3</sup>	1300.00	511.88
	4	Concrete-20 mm	2.17	m <sup>3</sup>	1200.00	2600.04
	5	Khanda (8"x8"x8")	29.11	m <sup>3</sup>	1000.00	29106.25
	6	M S Bar (10 mm Saria)	1.00	q	4500.00	4500.00
	7	Boulder	12.25	m <sup>3</sup>	700.00	8575.00
	8	Filling of black clay soil in the up stream (free from any kind of gravel)	4.00	Trolley	700.00	2800.00
					<b>Total</b>	<b>84699.60</b>
B	9	Water supply through tanker @ 3 % of material cost				2540.99
C	10	Labour Charges @ 35%				29644.86
					<b>Total (A+B+C)</b>	<b>116885.45</b>
	11	Misc. @ 3%				3506.56
					<b>G. Total</b>	<b>120392.01</b>
		<b>Rs. 1,20,392/- (Rs. One lakh twenty thousand three hundred ninety two only)</b>				

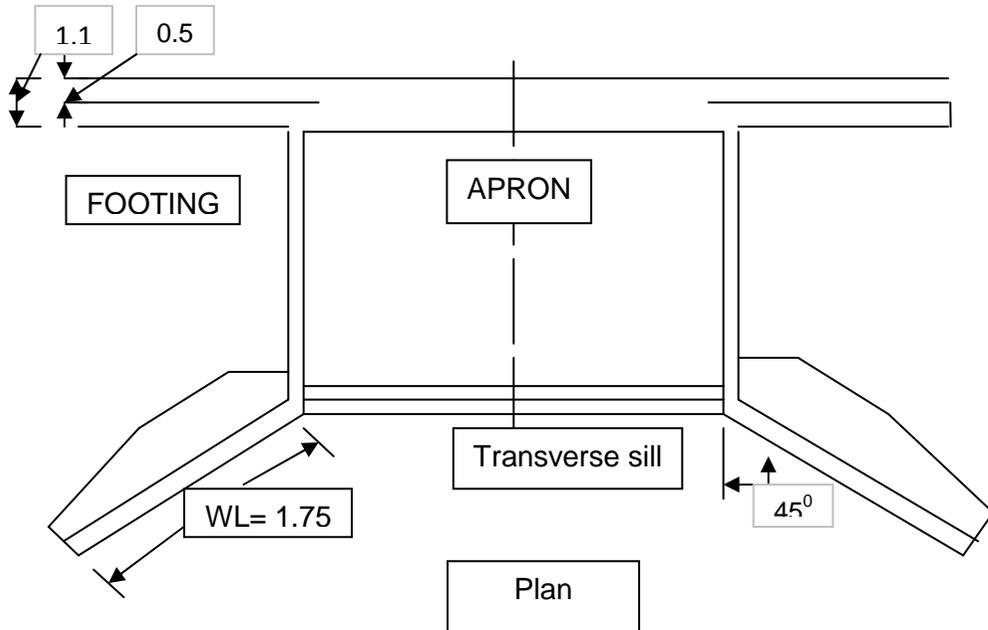
**Note: The cost of materials is inclusive of all taxes and transportation to the site. It is based on the prevailing market rates. It may vary with respect to time**



DOWN STREAM ELEVATION



SECTION ON CENTRE LINE



Plan

Note: Figure not to scale, All dimensions are in Metre

- L = Length of weir
- h = Depth of weir
- F = Drop through spillway from crest of weir to top of transverse sill
- S = Height of transverse sill
- L<sub>B</sub> = Length of Apron
- T = Depth of toewall below top of apron
- C = Depth of cutoff wall below top of apron
- E = Length of headwall extension
- J = Height of wingwall & sidewall at junction

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ICRISAT, PATANCHERU, A.P.

## CHAPTER - 6

### CAPACITY BUILDING PLAN

The capacity building of various stake holders will be given very high priority as the watershed is to be developed in participatory mode. Capacity building initiative plays very important role in human resource development of model watershed to replicate and train other watershed resource persons. The capacity building initiatives include training to government officials, CBOs, farmers and PIAs through field days, hands-on trainings, exposure visits to successful watersheds, training materials and etc. Need-based specialized training courses will be conducted. The details of the training institutes for capacity building and training to stake holders on participatory watershed management are summarized in Table 6.1 and 6.2, respectively.

**Table 6.1: List of identified training institutes for capacity building\***

Sr. No.	Name of the Training Institute	Full Address with contact no, website & e-mail	Designation of the Head of Institute	Type of Institute	Area(s) of specialization	No. of training assigned	No. of persons to be trained	Allocation to be made to the institute
1.	Krishi Vigyan Kendra	Jaitpur, Belatal, Mahoba	Programme Coordinator	Agriculture University	Extension Agronomy Home Science Soil Science	16	800	Proposal with budget will be received
2.	National Research Center for Agro-Forestry	Gwalior Road, Jhansi	Director	GOI, (ICAR)	Agro-forestry and NRM on watershed basis	16	800	-do-
3	District Gram Vikash Sansthan	Mahoba	Coordinator	State Govt.	Small scale	4	100	-do-
4	Indian Institute of Grass Land	Gwalior Road, Jhansi	Director, Jhansi	GoI (ICAR)	Grasses and fodder	4	100	-do-
5	Deptt. Of Horticulture	Mahoba	Deputy Director	State Govt.	Fruit and Vegetable Production	2	50	-do-

\*Number of trainings and persons may be changed as per the budget available.

**Table 6.2: Training to stakeholders on participatory watershed management\***

Sl. No.	Client Group	Title of the Programme/Duration/ Time	Objectives	Coverage/Topics	Training Methodology	Training Institutions
1.	Watershed Committee & WDT members	Planning and implementation of IWMP Project (3 day)	To Strengthen WC and WDT for planning and executing the Project	Natural Resource Management Livelihood options for landless and marginal farmers. Improved Agriculture production system	Lectures, videos and visits to successful watershed	National Research Center for Agro-forestry, Gwalior Road, Jhansi
2.	User Group, SHGs members	Agriculture Production system and specialized training for SHGs (3 day)	To increase the Agriculture productivity and livelihood improvement	Integrated crop management in pulses, cereals, oilseeds, vegetables, orchards and small scale projects related to Agriculture.	Lectures, videos and visits	Krishi Vigyan Kendra, Bharari, Mahoba
3	Watershed Committee & WDT members	Management of natural resources on watershed basis and agroforestry	Awareness and strengthening of knowledge and skills	NRM, Production system and livelihood	Lectures, videos and visits to successful watershed	National Research Center for Agro-forestry, Gwalior Road, Jhansi
4	Secretaries of WC and WDT/PIA members	Book keeping and record maintenance	Maintenance of record and preparing budget	Cash book and ledger registers, preparing budget, maintenance of accounts	Lectures and practical exercise	National Research Center for Agro-forestry, Gwalior Road, Jhansi
5	PIA/WDT	Cultivation of fodder in	Awareness	Package of practices	Lectures, videos	Indian Grassland and Fodder

	members	watershed	and knowledge enhancement	of fodder cultivation	and visits to successful watershed	Research Institute, Jhansi
6.	PIA/WDT/WC members	Knowledge of market and pricing	Awareness and knowledge enhancement	Market intelligence	Lectures, videos and visits	Agriculture Technology Management Agency (ATMA)
7	PIA/WDT members	Design of SWC structures	Strengthening of knowledge	SWC structures	Lectures, practical exercise and visits to successful watershed	NRCAF, Jhansi / CSWCRTI&RS, Datia, MP

\*Training programs, duration and topics may be change on course of project as per need

## PHASING OF PROGRAMME AND BUDGETING

### 7.1 Monitoring and Evaluation

Monitoring of the project will be done at each stage and it will be carried out for both, process and outcome. Some community members will be trained and will be involved in participatory monitoring of various parameters and processes and the crop yields. The interventions, expenditure and other information will be displayed in the micro-watershed through wall writings. Besides trained community members, PIA/DWDC will also monitor the physical and financial progress of watershed development programme. Frontier technologies viz. GIS and Remote Sensing techniques will be used by the PIA/District Watershed Committee Development (DWCD) for monitoring and evaluation. The PIA shall submit quarterly progress reports (countersigned by the Watershed Committee (WC) President) to the DWDC for further submission to the SLNA. Sustainable and unbiased monitoring will be ensured by involving an independent agency to monitor impact assessment subsequently. About 1 per cent of the total budget will be used on this activity.

#### Plan for Evaluation

Watershed development activities bring about both tangible and intangible benefits. In order to quantify the benefits, impact analysis has been proposed.

#### Theme

The watershed development activities will bring significant and tangible change in socio-economic status of inhabitants, cropping intensity, ground water recharge, crop diversification, fuel, fodder and small timber availability, livestock composition and milk production, etc. Data on indicators baseline in such parameters with base line data would provide the quantitative information on impact.

#### Observations

The following indicators will be taken into account for quantitative and qualitative assessment. For the purpose, detailed questionnaires will be prepared and field observations will be carried out.

- Duration of availability of drinking water/irrigation and groundwater recharge measure through periodic ground water level in dug well
- Irrigation frequency and area under irrigation
- Changes in cropping pattern and cropping systems in the farmers fields along with productivity and incomes
- Soil health
- Satellite monitoring for vegetation cover and other parameters
- Fuel, fodder and small timber availability
- Livestock composition and productivity

- Periodic pest and disease monitoring will be done in major crops
- Socio-economic aspects including resource inventory
- Following indices will also be worked out as qualitative indicators of the watershed development:
- Land Improvement Index (LII)
- Crop Diversification Index (CDI)
- Cultivated Land Utilization Index (CLUI)
- Crop Fertilization Index (CFI)
- Induced Watershed Eco-Index (IWEI)

The concurrent and post-project monitoring and evaluation would be conducted to assess the status of watershed related interventions. It will be done by an independent agency having similar experiences. About 1 per cent of the total budget will also be used on evaluation.

## 7.2 Annual Action Plan (AAP)

Physical and financial targets and outlays and their year wise break ups are given Table 7.1. Year wise financial phasing for the budget available (Rs. 781.92 lakh) with IWMP-XIX, district Mahoba is given in Table 7.2.

**Table 7.1: Physical and financial targets and outlays and their year wise break ups of IWMP-XIX, Charkhari, Mahoba**

Project - IWMP-XIX			PIA- Soil Conservation Unit, Charkhari						District- Mahoba			
S. No	Physical and financial targets	Unit	First Year		Second Year		Third Year		Fourth Year		Total Project	
			2011-12		2012-13		2013-14		2014-15			
			Physi cal	Financ ial	Physic al	Financ ial	Physi cal	Financ ial	Physi cal	Financ ial	Physical	Financ ial
1	Administration			3.91		39.10		23.46		11.73	0	78.19
2	Monitoring			0.00		3.91		1.95		1.95	0	7.82
3	Evaluation			0.00		1.56		3.52		2.74	0	7.82
4	<b>Entry point activities</b>	No.									0	0.00
	(1) Planned		10	31.28	0	0.00	0	0.00	0	0.00	10	31.28
	(a) No. of Activities	No.	10	0.00	0	0.00	0	0.00	0	0.00	10	0.00
	(b) No. of beneficiaries	No.	11900	0.00	0	0.00	0	0.00	0	0.00	11900	0.00

	(2) Executed		10	0.00	0	0.00	0	0.00	0	0.00	10	0.00
	(c) No. of Activities	No.	10	0.00	0	0.00	0	0.00	0	0.00	10	0.00
	(d) No. of beneficiaries	No.	11900	0.00	0	0.00	0	0.00	0	0.00	11900	0.00
5	<b>Institutional &amp; Capacity Building</b>										0	0.00
	(1) No. of Persons to be trained		290	2	2850	20	2580	18			5720	39.10
	(a) SLNA level	No.	0	0	390	4	270	2			660	5.94
	(b) District level	„	60	0	450	4	420	3			930	7.44
	(c) PIA level (OFFICIAL/WDT/SECARATERY)	„	120	1	510	4	490	3			1120	7.84
	(d) Watershed committee level	„	110	1	1500	9	1400	8			3010	17.88
6	<b>DPR Preparation</b>	MWS No.	23	7.82	0	0.00	0	0.00	0	0.00	23	7.82
7	<b>Watershed Development Works</b>		-								0	0.00
	(1) SMC	cum	0	0.00	147538	65.48	88523	39.29	59015	26.19	295076	130.96
	(2) Water Resource Development										0	0.00

	(a) Structures	No.	0		50	153.46	30	92.07	20	61.38	100	306.91
	(b) Storage capacity	cum		-	86620	0.00	51972	0.00	34648	-	173240	0.00
	(c) Life saving irrigation area	ha.			144	0.00	87	0.00	58		288	0.00
	(d) User Groups	No.			50		30		20		100	0.00
8	<b>Production system</b>										0	0.00
	(1) Agriculture										0	0.00
	(a) Crop demonstration										0	0.00
	(1) No. of dem.	No.	0	0.00	161	17.00	161	17.00	36	3.78	358	37.77
	(2) Area	ha.			403		403		90		896	0.00
	(b) Seed Production		0								0	0.00
	(1) No. of dem.	No.	0	0.00	111	13.17	111	13.17	25	2.93	247	29.27
	(2) Area	ha.	0		278		278		62		618	0.00
	(2) Horticulture/ Agri-Horticulture		0								0	0.00
	(a) Area	ha.	0	0.00	17	2.94	17	2.94	4	0.65	37	6.53
	(b) No. of Plants	No.		0.00							0	0.00
	(4) Animal husbandry										0	0.00
	A. fodder production	No. of Units / Farmers	0	0.00	105	0.63	105	0.63	23	0.14	234	1.41

	B. Vaccination/Medication	No. of Animals			193	0.18	193	0.18	43	0.04	428	0.41
	C. Artificial Insemination	No. of Animals			189	0.07	189	0.07	42	0.02	419	0.16
	D. Natural Service.	He Buffalo			5	1.19	5	1.19	1	0.26	11	2.64
	E. Others	No. of Animals			0	0.00	0	0.00	0	0.00	0	0.00
											0	0.00
9	<b>Livelihood activities through SHG's</b>										0	0.00
	(1) Activity Goatary										0	0.00
	(a) No. of SHG's	No.	0	0.00	19	4.72	19	4.72	4	1.05	42	10.49
	(b) No. of members	No.	0	0.00	189	0.00	189	0.00	42	0.00	420	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(2) Activity- Back Yard Poultry		0	0.00							0	0.00
	(a) No. of SHG's	No.	0	0.00	18	4.39	18	4.39	4	0.98	39	9.75
	(b) No. of members	No.	0	0.00	176	0.00	176	0.00	39	0.00	390	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00

(3) Activity- Poultry , Broiler		0	0.00							0	0.00
(a) No. of SHG's	No.	0	0.00	15	3.68	15	3.68	3	0.82	33	8.18
(b) No. of members	No.	0	0.00	149	0.00	149	0.00	33	0.00	330	0.00
(c) Estimated income per year	Rs.	0	0.00							0	0.00
(4) Black Smithy										0	0.00
(a) No. of SHG's	No.	0	0.00	10	2.59	10	2.59	2	0.58	23	5.75
(b) No. of members	No.	0	0.00	104	0.00	104	0.00	23	0.00	230	0.00
(c) Estimated income per year	Rs.	0	0.00		0.00	0	0.00	0	0.00	0	0.00
(5) Rope making										0	0.00
(a) No. of SHG's	No.	0	0.00	11	2.81	11	2.81	3	0.63	25	6.25
(b) No. of members	No.	0	0.00	113	0.00	113	0.00	25	0.00	250	0.00
(c) Estimated income per year	Rs.	0	0.00							0	0.00
(6) Tailoring										0	0.00
(a) No. of SHG's	No.	0	0.00	11	2.82	11	2.82	3	0.63	25	6.26
(b) No. of members	No.	0	0.00	113	0.00	113	0.00	25	0.00	250	0.00

	(c) Estimated income per year	Rs.	0	0.00		0.00	0	0.00	0	0.00	0	0.00
	(8) Vermi Composting										0	0.00
	(a) No. of SHG's	No.	0	0.00	14	3.49	14	3.49	3	0.78	31	7.75
	(b) No. of members	No.	0	0.00	140	0.00	140	0.00	31	0.00	310	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(9) Food processing										0	0.00
	(a) No. of SHG's	No.	0	0.00	15	3.74	15	3.74	3	0.83	33	8.31
	(b) No. of members	No.	0	0.00	149	0.00	149	0.00	33	0.00	330	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(13) Seed Bank										0	0.00
	(a) No. of SHG's	No.	0	0.00	15	3.43	15	3.43	3	0.76	34	7.63
	(b) No. of members	No.	0	0.00	153	0.00	153	0.00	34	0.00	340	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
10	<b>Consolidation &amp; Withdrawl Phase activities</b>		0	0.00	0	0.00	0	0.00	0	23.46	0	23.46
<b>Grand Total</b>											623382	781.92

**Table 7.2: Year wise financial phasing (Rs in Lakh) Project IWMP-XIX, Dept. of Agriculture, Charkhari, Mahoba, U.P.**

<b>Particulars</b>	<b>1st Year</b>	<b>2nd Year</b>	<b>3rd Year</b>	<b>4th Year</b>	<b>Total</b>
Administrative Cost-10%	3.91	39.10	23.46	11.73	78.19
Monitering-1%	0.00	3.91	1.95	1.95	7.82
Evaluation-1%	0.00	1.56	3.52	2.74	7.82
Entry Point Activity-4%	31.28	0.00	0.00	0.00	31.28
Institution & Capacity Building-5%	1.95	19.55	17.59	0.00	39.10
DPR-1%	7.82	0.00	0.00	0.00	7.82
Watershed Dev. Work-56%	0.00	218.94	131.36	87.58	437.88
Livelihood Activity-9%	0.00	31.67	31.67	7.04	70.37
Production System & Micro enterprises-10%	0.00	35.19	35.19	7.82	78.19
Consolidation-3%	0.00	0.00	0.00	23.46	23.46
<b>Total</b>	<b>44.96</b>	<b>349.91</b>	<b>244.74</b>	<b>142.31</b>	<b>781.920</b>

### **7.3 Details of Convergence**

The details of convergence of different developmental schemes are given Chapter 4.

### **7.4 Benefit Cost Analysis**

Benefit cost analysis for Bhadokhar micro-watershed and for the project were given in Table 7.3 and 7.4, respectively. Similar analysis for each micro-watershed was also carried out and kept in respective project file. The overall B:C ratio for pre and post project is 1.70 and 2.15, respectively,

**Table 7.3: Micro-watershed wise benefit cost analysis of IWMP-XIX, Charkhari, Mahoba**

**Present Outcome (Crops)**

Name of Crop (Season wise)	Area (ha)	Production (quintal)	Productivity q/ha	Cost/ ha	Rate Rs/q	Gross Return Rs	Gross Return/h a	Total Cost Rs	Net Return	Net Return /ha	B:C Rati o
Urd	1818.35	5691.42	3.13	10000	4800	27318815	15024	8728056	18590759	10224	1.50
Moong	1038.27	3156.34	3.04	9100	3300	10415925	10032	3426291	6989634	6732	1.10
Arhar	707.92	3652.86	5.16	13000	9000	32875712	46440	6371262	26504450	37440	3.57
Sorghum	606.85	3604.69	5.94	5600	2700	9732660	16038	1638495	8094165	13338	2.86
Til	1548.10	2755.62	1.78	7000	5000	13778095	8900	7740503	6037592	3900	1.27
<b>Total</b>	<b>5719.48</b>	<b>18860.93</b>				<b>94121207</b>		<b>27904607</b>	<b>66216600</b>		
Wheat	2658.69	45942.13	17.28	12400	1300	59724769	22464	3456295	56268475	21164	1.81
Barley	1770.57	21122.90	11.93	8000	1600	33796640	19088	2832912	30963728	17488	2.39
Masoor	1645.42	9099.17	5.53	10000	3400	30937187	18802	5594428	25342759	15402	1.88
Gram	2540.66	14354.73	5.65	9000	3600	51677024	20340	9146376	42530648	16740	2.26
Field Pea	758.34	5422.13	7.15	8800	2400	13013114	17160	1820016	11193098	14760	1.95
<b>Total</b>	<b>9373.68</b>	<b>95941.06</b>				<b>189148735</b>		<b>22850027</b>	<b>166298709</b>		1.70
Cropping Intensity	107.52		Over All B:C		1.70						
Cultivable Area (ha)	14037.88										
<b>Total Number of Farm Families in MWS</b>	<b>8040</b>										
<b>Net Return per Household</b>	<b>20683.9</b>										

### Expected Outcome (Crops)

Name of Crop (Season wise)	Area (ha)	Production (quintal)	Productivity q/ha	Cost/ ha	Rate Rs/q	Gross Return Rs	Gross Return/ha	Total Cost Rs	Net Return	Net Return /ha	B:C Ratio
Urd	2182.01	7990.75	3.7	10500	4800	38355617	17578	10473667	27881949	12778	1.67
Moong	1245.92	4431.50	3.6	9700	3300	14623958	11737	4111549	10512409	8437	1.21
Arhar	842.42	5085.87	6.0	14200	9000	45772854	54335	7581802	38191052	45335	3.83
Sorghum	746.43	5187.51	6.9	5800	2700	14006271	18764	2015349	11990923	16064	3.24
Til	1795.80	3739.93	2.1	7800	5000	18699631	10413	8978983	9720648	5413	1.34
<b>Total</b>	<b>6812.58</b>	<b>26435.56</b>	<b>20.2</b>			<b>131458331</b>	<b>112828</b>	<b>33161351</b>	<b>98296980</b>		
Wheat	2871.38	58052.48	14.0	13000	1300	75468218	26283	3732798	71735420	24983	2.02
Barley	1859.10	25949.48	6.5	8400	1600	41519172	22333	2974558	38544615	20733	2.66
Masoor	2714.94	17565.95	6.6	10900	3400	59724239	21998	9230806	50493433	18598	2.02
Gram	2693.10	17802.73	8.4	9500	3600	64089846	23798	9695159	54394687	20198	2.51
Field Pea	788.67	6597.65		9100	2400	15834358	20077	1892817	13941541	17677	2.21
<b>Total</b>	<b>10927.20</b>	<b>125968.30</b>				<b>256635833</b>	<b>114489</b>	<b>27526137</b>	<b>229109696</b>		<b>1.89</b>
Cropping Intensity	126.34		Over All B:C		1.9						
Cultivable Area (ha)	14041.60										
<b>Total Number of Farm Families in MWS</b>	<b>8040</b>										
<b>Net Return per Household</b>	<b>28496.23</b>										

### Present Outcome (Livestock)

Particulars	Cows	Buffaloes	Goat	Bullocks
Total Animals in Micro watershed Area	4089	2529	14009	550
Milking Animals	1800	1020	3700	
Average Milk Production Lit. / day	2844	3937.2	1184	
Average Milk Production /Animal/ day	1.58	3.86	0.32	
Sale of Milk per day (Rs) @ Rs 15/Lit	42660	59058	17760	
<b>Average 150 day milking days &amp; Goat 90 days in a year (Total Rs)</b>	<b>6399000</b>	<b>8858700</b>	<b>1598400</b>	
Meat Animals			5600	
Average rate of one kids Rs			2500	
<b>Total Sale in a year Rs</b>			<b>14000000</b>	
Working Animals (Bullocks)				550
One year work one agriculture fields 180 days @ 200/ day (One pair)				36000
<b>Total Work value of all working animals</b>				<b>9900000</b>
<b>Total value earned by animals in a year</b>	<b>6399000</b>	<b>8858700</b>	<b>15598400</b>	<b>9900000</b>
				<b>40756100</b>
Total Family				8040
Total Income /Family				5069.17
Total Expenditure / family				3000
<b>B:C Ratio</b>				<b>1.7</b>

### Projected Outcome (Livestock)

Particulars	Cows	Buffaloes	Goat	Bullocks
Total Animals in Micro watershed Area	5600	3500	17000	670
Milking Animals	2800	1790	6000	
Average Milk Production Lit. / day	6160	9666	3600	
Average Milk Production /Animal/ day	2.2	5.4	0.6	
Sale of Milk per day (Rs) @ Rs 15/Lit	92400	144990	54000	
<b>Average 150 day milking days &amp; Goat 90 days in a year (Total Rs)</b>	<b>13860000</b>	<b>21748500</b>	<b>4860000</b>	
Meat Animals			8000	
Average rate of one kids Rs			2800	
<b>Total Sale in a year Rs</b>			<b>22400000</b>	
Working Animals (Bullocks)				670
One year work one agriculture fields 200 days @ 220/ day (One pair)				44000
<b>Total Work value of all working animals</b>				<b>14740000</b>
<b>Total value earned by animals in a year</b>	<b>13860000</b>	<b>21748500</b>	<b>27260000</b>	<b>14740000</b>
				<b>77608500</b>
				8040
Total income/family				9652.80
Total Expenditure / family				4000
<b>B:C Ratio</b>				<b>2.41</b>

**Table 7.4 : Outcomes & Benefit cost analysis of IWMP-XIX, Mahoba**

<b>Net Income / Family</b>	<b>Present</b>	<b>Projected</b>
Agriculture	20684	28496
Animal Husbandry	5069	9653
<b>Total (Ag+AH)</b>	<b>25753</b>	<b>38149</b>
<b>Over All B:C of MWS</b>		
Agriculture	1.70	1.89
Animal Husbandry	1.69	2.41
<b>Over All B: C MWS</b>	<b>1.70</b>	<b>2.15</b>

*Note: Similarly B:C ratio was worked out for other micro-watersheds also and kept in respective project file available with PIA*

## CHAPTER - 8

### CONSOLIDATION AND WITHDRAWAL STRATEGY

#### 8. Consolidation and Withdrawal Strategy

Success of any program depends on sustainability of the various watershed interventions and sustainability can only be achieved through active participation of community. Active participation and cooperation of community can be ensured by building their capacities through exposures and trainings. From the beginning emphasis will be on capacity building and empowerment of stakeholders. The Watershed Committee, SHGs, Area Groups, Users Group and other CBOs will be established, trained, and strengthened to continue development after withdrawal of PIA. By building economic activities through CBOs community participation will be sustained. The PR&D approach along with demand driven interventions will reduce dependency on subsidies. Contributions from the community will be ensured for the entire activities to develop sense of belongingness and these contributions will be deposited to the account of Watershed Development Fund. Watershed Development Fund will also be strengthening through donations from the individual and institutions and the CBOs will be trained to run watershed as business model on sustainable basis. The tangible economic benefits along with empowerment and hand holding by PIA will empower the CBOs to develop and sustain the watershed activities after withdrawal of the PIA. Community organizations will withdraw the money from the WDF to maintain the asset created during the implementation phase. The consolidation phase will also include

- Writing of project completion report
- Documentation of success stories
- Making films, leaflets, bulletins and the lessons learnt.

The expenditure will be done as per the Common Guidelines for Watershed Development Projects 2008.

The completion report will reflect the development on following aspects:

- Productivity enhancement (increase in total productivity, seed replacement, farm mechanization, resources use and operational efficiency)
- Nutritional security (Production of diverse food commodities)
- Risk minimization (Integrated farming system, water harvesting and protected cultivation, value addition and improved marketing)
- State of environment (Improvement in vegetative cover, hydrology and adoption of IPNM)
- Profitability (Loss preventing and cost reducing measures, value addition and agro-processing.)
- Livelihood security (skill enhancement capacity building, increased employment in agriculture and allied enterprises. Reduction in drudgery of farm women and out migration)

## CHAPTER - 9

### EXPECTED PROJECT OUTCOME

#### 9.1 Employment Generation and Checking Migration

There had been very heavy migration from Bundelkhand region. During drought years, it is as high as 39% against an average migration rate of 11%, in other regions of Uttar Pradesh towards northern part of the country, specially the states of Delhi, Punjab and Haryana, as agriculture labours, factory workers, rickshaw pullers etc. The major reason attributed to high rate of migration is continuous drought in the region and absence of any other alternate livelihood opportunity, in spite of several anti-poverty programmes.

Due to watershed management the cropping intensity will be increased by around 18.80 per cent, in turn acreage in agricultural activities will be increased by about 1220 ha. Therefore, an additional employment of about 1,22,000 man days will be generated annually. Therefore, no migration in search of livelihoods is expected after implementation of watershed programme.

#### 9.2 Other Expected Outcome\*

The following tangible benefits are expected after implementation of the project:

- Runoff will be reduced by about 30 per cent, however soil and nutrient loss may be reduced up to 40 per cent from the watershed.
- Irrigation intensity may be increased to 40 per cent from present 3 per cent life saving irrigation.
- Surface water in nallah may be available for more than 8 months against 4-5 months at present.
- Average ground water recharge of about 4 m may be easily obtained after implementation of the programme
- Productivity of crops may be increased by about 25 per cent
- Significant saving of seeds may be obtained through crop demonstration with improved package of practices
- During implementation phase about 2,90,000 mandays will be created through the soil and water conservation measures and crop/agroforestry interventions.
- The overall B C ratio of the project is estimated to be 2.15 as compared to the 1.70 in pre project scenario (detailed analysis is given in Chapter 7)

**\*Above mentioned outcomes are based on the meta analysis of 636 watershed projects throughout the country done by ICRISAT, Hyderabad and practical experience of watershed management in Bundelkhand region.**

### **9.3 Questions to be answered**

This project will answer the following questions:

1. Will the measures taken for water harvesting sufficient enough to recharge the perched water table?
2. Will the soil and water conservation practices be helpful in combating drought?
3. Will alternate land use such as agroforestry land use system result in self reliance/prosperity in drought prone areas?
4. Can the strategies based on watershed basis yield fruitful results?
5. Response of the villagers towards the project and their participation in sustaining developed resources after withdrawal of the project?
6. Will the formation of SHGs help in savings and generation of self employment?
7. Will the watershed programmes improve the socio-economic conditions of the stake holders?
8. Will the watershed programme helps in capacity building of the stake holders for dissemination of various activities of watershed programme?
9. Will it sustain after project withdrawal?

### **9.4 Problems that could be solved as a results of this project/study**

Following problems can be tackled in the proposed watershed:

1. Solving the problems of shortage of fuel, fodder, fruit and small timber requirement of villagers.
2. Creating water resources for ground water recharge availability of surface water for animal drinking and nistar purposes.
3. Increasing fertilizer consumption and improving NPK consumption ratio.
4. Optimizing crop productivity by putting more area under HYV and irrigation.
5. Increasing cropping intensity.
6. Promoting dairying through increased fodder availability.
7. Improving basic amenities and facilities like health, education, drinking water etc.
8. Increasing per capita income and thereby standard of living of farming community.
9. Increasing co-operative membership.
10. Increasing self employment.
11. Improving living standard of society.

**ANNEXURE-I**

**BENEFICIARIES WISE DETAILS OF DEVELOPMENTAL ACTIVITIES**

**Micro-watershed wise beneficiary details of Proposed / Planned W/S Development Activities (Individual) kept in project file**

**Village- Imiliya Daang (2c1B3d3a)**

Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Manday Rs. 120/Labour	Name of Farmers
			Length	Width * Height						
SB1	10.419	1653, 1652, 1641, 1642, 1628, 1629, 1630, 1632 to 1634, 1627	330	1.05+.50/2* 1.35	3.07	1013.1	41.21	41749.85	347.9154	Kalla, Jagannath etc.
SB2	6.243	1661, 1662, 1660, 1605/2	200	1.05+.50/2* 1.35	3.07	614	41.21	25302.94	210.8578	Prahlad, Vinod kumar etc.
SB3	2.436	1625, 1623	60	1.05+.50/2* 1.35	3.07	184.2	41.21	7590.882	63.25735	Lallu, Chatur bhuj etc.
SB4	7.825	1029, 1030, 1031, 1033, 1034, 1035/2	240	1.05+.50/2* 1.35	3.07	736.8	41.21	30363.53	253.0294	Manohar, mahendra etc.
SB5	5.832	1028	180	1.05+.50/2* 1.35	3.07	552.6	41.21	22772.65	189.7721	kaluva
SB6	3.83	1021/2, 1026/2	120	1.05+.50/2* 1.35	3.07	368.4	41.21	15181.76	126.5147	Madari, Shivnath
<b>Total</b>	<b>36.585</b>		<b>1130</b>			<b>3469.1</b>		<b>142961.6</b>		
PB1	4.588	1675, 1654, 1655, 1657, 1658, 1637, 1638, 1339,	150	1.05+.50/2* 1.35	3.07	460.5	41.21	18977.21	158.1434	Ramkumar, Baghraj etc.
PB2	7.334	1672, 1671, 1664, 1667	200	1.05+.50/2* 1.35	3.07	614	41.21	25302.94	210.8578	jangbahadur, etc.
PB3	2.2	1505, 1506, 1505,	80	1.05+.50/2* 1.35	3.07	245.6	41.21	10121.18	84.34313	Premnarayn, Dannu etc.

PB4	3.361	1533, 1536, 1562	110	1.05+.50/2* 1.35	3.07	337.7	41.21	13916.62	115.9718	harcvharan, Munnalal etc.
PB5	1.776	1561, 1562, 1560	80	4.+50/2*1.2 0	2.76	220.8	41.21	9099.168	75.8264	Gorisanker, Swamideeen
PB6	3.08	1460, 1461	180	4.05+.50/2* 1.35	3.07	552.6	41.21	22772.65	189.7721	Mahendra, jayhind etc.
PB7	1.895	1462, 1463	60	4.05+.50/2* 1.35	3.07	184.2	41.21	7590.882	63.25735	parichhat etc.
PB8	4.667	1465, 1466, 1467	150	4.05+.50/2* 1.35	3.07	460.5	41.21	18977.21	158.1434	Parichhat, Sitaram etc.
PB9	3.871	990	100	4.05+.50/2* 1.35	3.07	307	41.21	12651.47	105.4289	Bhura
<b>Total</b>	<b>32.772</b>		<b>1110</b>			<b>3382.9</b>		<b>139409.3</b>		
CD1	1.841	1464	40	8.40+1.20/2 *2.15	10.08	403.2	46.08	18579.46	154.8288	Madari
CD2	4.989	996, 1021/2, 997	60	11.40+1.20/ 2*2.55	16.06	963.6	49.37	47572.93	396.4411	Bhura, madari
CD3	7.144	998	60	11.60+1.20/ 2*2.60	16.64	998.4	49.37	49291.01	410.7584	Tutiyan
CD4	4.296	994/1, 994/2	40	12.80+1.20/ 2*2.90	20.03	801.2	51.08	40925.3	341.0441	Bhura,, kaluva
CD5	4.297	994/1	40	12.80+1.20/ 2*2.90	20.03	801.2	51.08	40925.3	341.0441	Bhura
CD6	12.421	1484, 1487, 1488, 1500, 1501, 1503, 1504, 1525, 1526, 1527, 1529	60	11.60+1.20/ 2*2.60	16.64	998.4	49.37	49291.01	410.7584	Vindadeen, lakhan etc.
				Old Work						
CD7	6.092	1558, 1568, 1560, 1570	30	3.30+.70/2* 1.00	2.47	74.1				
				New Work						

			60	11.20+1.20/ 2*2.50	15.5	74-930				
						855.9	47.96	41048.96	342.0747	Jangbahadur, Rajju etc.
				Old Work						
CD8	6.092	1582, 1577, 1578, 1579, 1580, 1583	100	5.70+1.00/2 *0.90	3.01	301				
				New Work						
			150	11.20+1.60/ 2*2.40	15.36	301- 2304				
						2003	47.96	96063.88	800.5323	Kallu, Rakesh etc.
				Old Work						
CD9	8.868	1635, 1614, 1615, 1610, 1611, 1607, 1609, 1629, 1617, 1618, 1619	50	4.70+.80/2* 1.20	3.3	165				
				New Work						
			70	10.40+1.20/ 2*2.30	13.34	933.8- 165				
						768.8	47.96	36871.65	307.2637	jangbahadur, Chunubad etc.
CD10	6.985	1603, , 1584, 1593, 1594	70	11.60+1.20/ 2*2.60	16.64	1164.8	49.37	57506.18	479.2181	Ramkrapal, Rajkumar etc.
<b>Total</b>	<b>63.025</b>		<b>650</b>			<b>9757.9</b>		<b>478075.7</b>		
<b>VILLAGE-MAHARAJPURA</b>										
SB1	3.792	51, 53,66, 67, 68, 79, 80, 54	120	4.05+.50/2* 1.35	3.07	368.4	41.21	15181.76	126.5147	Chhiddi, Rammilan etc.
SB2	2.256	82, 83, 84, 85, 86	70	4.05+.50/2* 1.35	3.07	214.9	41.21	8856.029	73.80024	Chhidiya , Rammilan, Bhagvat
SB3	1.858	115, 116	65	4.10+.50/2* 1.35	2.76	179.4	41.21	7393.074	61.60895	lale, Gyadeen etc.

				1.20						
SB4	5.113	181, 182, 141, 142, 143, 144, 130, 121, 180	160	4.05+.50/2* 1.35	3.07	491.2	41.21	20242.35	168.6863	Chainu, Sitaram etc.
<b>Total</b>	<b>13.019</b>		<b>415</b>			<b>1253.9</b>		<b>51673.22</b>	<b>430.6102</b>	
MB1	2.747	177, 168	85	4.05+.50/2* 1.35	3.07	260.95	41.21	10753.75	89.61458	Deendyal, ganga, etc.
MB2	4.839	149, 150, 151, 152, 153, 148	150	4.05+.50/2* 1.35	3.07	460.5	41.21	18977.21	158.1434	Shivrani, Chainu etc.
<b>Total</b>	<b>7.586</b>		<b>235</b>			<b>721.45</b>		<b>29730.95</b>		
PB1	1.226	289	40	4.05+.50/2* 1.35	3.07	122.8	41.21	5060.588	42.17157	Panchamlal, Ramkisor etc.
PB2	2.756	288	80	4.05+.50/2* 1.35	3.07	245.6	41.21	10121.18	84.34313	kariya, kallu, Gulab
PB3	5.236	302, 303	165	4.05+.50/2* 1.35	3.07	506.55	41.21	20874.93	173.9577	Pervat, karan, Gyansingh etc.
PB4	3.851	322, 323, 327, 328, 329, 330, 331	120	4.05+.50/2* 1.35	3.07	368.4	41.21	15181.76	126.5147	Ramkrupal, Motilal
PB5	6.435	293, 294, 292	200	4.05+.50/2* 1.35	3.07	614	41.21	25302.94	210.8578	Maiyadeen, Tutiya, Pervat
PB6	3.764	286, 285, 283, 282	120	4.05+.50/2* 1.35	3.07	368.4	41.21	15181.76	126.5147	nandkisor, Rambabu
<b>Total</b>	<b>23.268</b>		<b>725</b>			<b>2225.75</b>		<b>91723.16</b>		
CD1	3.388	23	40	11.40+1.20/ 2*2.55	16.6	664	49.37	32781.68	273.1807	Ramdass
CD2	7.865	5, 37, 36, 34	70	12.80+1.20/ 2*2.90	20	1400	51.08	71512	595.9333	Tijva, Ramsaran
CD3	6.873	5, 38, 36	60	12.80+1.20/ 2*2.90	20	1200	51.08	61296	510.8	Tijva, jahirsingh
CD4	4.308	4, 3	50	12.40+1.20/ 2*2.80	19.04	952	51.08	48628.16	405.2347	Tijva, Bhura etc.
CD5	3.714	3	50	11.60+1.20/ 2*2.80	16.64	832	49.37	41075.84	342.2987	Permaiyan etc.

				2*2.60						
<b>Total</b>	<b>26.148</b>		<b>270</b>			<b>5048</b>		<b>255293.7</b>	<b>2127.447</b>	
<b>VILLAGE-GOPALPURA</b>										
SB1	2.929	270	110	5.05+.50/2* 1.50	4.23	465.3	41.21	19175.01	159.7918	Rampyari
SB2	3.163	266, 227	120	5.05+.50/2* 1.50	4.23	507.6	41.21	20918.2	174.3183	Khemchandra etc.
SB3	10.037	229, 215 to 221, 213	340	5.40+.60/2* 1.60	4.8	1632	41.21	67254.72	560.456	Raghuver, Dyaram etc.
SB4	2.955	132, 133, 134, 139, 140, 137	110	5.05+.50/2* 1.50	4.23	465.3	41.21	19175.01	159.7918	Smt. Chandi, Asharam etc.
<b>Total</b>	<b>19.084</b>		<b>680</b>			<b>3070.2</b>		<b>126522.9</b>		
MB1	5.336	261, 264, 251	170	4.05+.50/2* 1.35	3.03	515.1	41.21	21227.27	176.8939	Chhatrapal, Bhagvandas etc.
MB2	4.112	112, 113	130	4.05+.50/2* 1.35	3.03	393.9	41.21	16232.62	135.2718	Chetram, jagat etc.
MB3	2.017	35, 36, 37, 38	60	4.05+.50/2* 1.35	3.03	181.8	41.21	7491.978	62.43315	Shivprasad, Laldivan etc.
MB4	2.066	18, 24, 33	70	4.05+.50/2* 1.35	3.03	212.1	41.21	8740.641	72.83868	Kallu, Munna, Mahipat etc.
<b>Total</b>	<b>13.531</b>		<b>430</b>			<b>1302.9</b>		<b>53692.51</b>		
PB1	7.647	271, 278	290	5.05+.60/2* 1.50	4.23	1226.7	41.21	50552.31	421.2692	Bhagvanden, Pappu etc.
PB2	6.664	1878, 188, 190	225	5.40+.80/2* 1.60	4.8	1080	41.21	44506.8	370.89	Asharam, Ramnath etc.
PB3	2.626	105, 106, 107, 54	100	5.05+.60/2* 1.50	4.23	423	41.21	17431.83	145.2653	Aperjitra
PB4	2.093	60, 69, 66	80	5.05+.60/2* 1.50	4.23	338.4	41.21	13945.46	116.2122	Ramesh, Murlidhar, Mathura etc.
PB5	4.158	27, 24, 9, 10, 11, 12	140	5.40+.80/2* 1.60	4.8	672	41.21	27693.12	230.776	Nandi, Vajjnath etc.

<b>Total</b>	<b>23.188</b>		<b>835</b>			<b>3740.1</b>		<b>154129.5</b>		
CD1	5.076	259, 268, 266	50	5.40+.80/2* 1.60	20	1000	51.08	51080	425.6667	Chhatrapal, Sitaram
CD2	5.304	260, 259, 262, 263, 261	50	5.40+.80/2* 1.60	20	1000	51.08	51080	425.6667	Chhatrapal, Gangaram etc.
<b>Total</b>	<b>10.38</b>		<b>100</b>			<b>2000</b>		<b>102160</b>		
<b>VILLAGE-BAGRON</b>										
SB1	1.695	777, 776	80	4.10+.50/2* 1.25	2.87	229.6	41.21	9461.816	78.84847	Rambharosi, Siddha
PB1	7.363	788, 779, 781, 782, 784	170	5.05+.60/2* 1.50	4.23	719.1	41.21	29634.11	246.9509	Chainu, Brajlal etc.
PB2	1.97	600, 597	60	4.05+.50/2* 1.35	3.03	181.8	41.21	7491.978	62.43315	Halke, Balvan etc.
PB3	2.301	596, 598	70	4.05+.50/2* 1.35	3.03	212.1	41.21	8740.641	72.83868	Desha, Vishavnath
<b>Total</b>	<b>13.329</b>		<b>380</b>			<b>1342.6</b>		<b>55328.55</b>	<b>461.0712</b>	
CD1	9.762	599, 601, 602, 603, 604, 605, 606	50	11.40+1.20/ 2*2.55	16.06	803	49.37	39644.11	330.3676	Mohanlal, Desha
CD2	3.589	593, 594	50	11.40+1.20/ 2*2.35	13.86	693	47.96	33236.28	276.969	Dyalsingh, Iaxmiprasad
CD3	13.001	775, 770, 771, 772, 773, 774	100	11.40+1.20/ 2*2.35	13.86	1386	47.96	66472.56	553.938	Gorelal, Naththu etc.
CD4	8.372	769, 768, 1 to 16	70	11.40+1.20/ 2*2.55	16.06	1124.2	49.37	55501.75	462.5146	Ramcharan, Mangal etc.
<b>Total</b>	<b>34.724</b>		<b>270</b>			<b>4006.2</b>		<b>194854.7</b>	<b>1623.789</b>	
<b>VILLAGE-CHHIKHARA</b>										
PB1	10.818	1320, 1309, 1317, 1318, 1319, 1302, 1304	300	4.40+.60/2* 1.30	3.25	975	41.21	40179.75	334.8313	Satyanarayn, Babu etc.
<b>Total</b>										
CD1	6.794	1293 to 1298, 1323, 1300	80	10.40+1.20/ 2*2.35	13.63	1090.4	47.96	52295.58	435.7965	Harisingh, Shivnarayn etc.

CD2	17.489	1290, 1301, 1070	205	10.40+1.20/ 2*2.35	13.63	2794.15	47.96	134007.4	1116.729	Jayprakash, harisingh etc.
CD3	12.904	1061, 1063, 1058/1/2	130	10.40+1.20/ 2*2.35	13.63	1771.9	47.96	84980.32	708.1694	Bharat singh, Manoj kumar etc.
<b>Total</b>	<b>37.187</b>		<b>415</b>			<b>5656.45</b>		<b>271283.3</b>		

**Village – Bamrara (2C1B3d2b)**

Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Manday Rs. 120/Labour
			Length	Width * Height					
SB1	5.516	246, 247, 253	280	4.30+0.70/2*1.20	3	840	41.21	34616.4	288.47
SB2	6.409	281 to 287	220	4.30+0.70/2*1.20	3	660	41.21	27198.6	226.655
SB3	2.975	176, 200 to 203	250	4.30+0.70/2*1.20	3	750	41.21	30907.5	257.5625
SB4	6.121	166 to 170, 177, 178, 179	320	4.30+0.70/2*1.20	3	960	41.21	39561.6	329.68
SB5	5.299	151 to 154	260	4.30+0.70/2*1.20	3	780	41.21	32143.8	267.865
SB6	5.325	100, 104 to 106	290	4.30+0.70/2*1.20	3	870	41.21	35852.7	298.7725
SB7	12.242	595, 602, 613 to 618	580	4.30+0.70/2*1.20	3	1740	41.21	71705.4	597.545
SB8	10.151	596 to 601, 504, 505	580	4.30+0.70/2*1.20	3	1740	41.21	71705.4	597.545
SB9	9.194	658 to 662	320	4.30+0.70/2*1.20	3	960	41.21	39561.6	329.68
SB10	8.212	1288, 1291, 1299	320	4.30+0.70/2*1.20	3	960	41.21	39561.6	329.68
SB11	8.462	665, 666, 671, 672, 673	320	4.30+0.70/2*1.20	3	960	41.21	39561.6	329.68
	79.906		3740			11220		462376.2	
PB1	5.604	173	270	4.30+0.70/2*1.20	3	810	41.21	33380.1	278.1675
PB2	4.195	172, 173, 151, 155, 156	240	4.30+0.70/2*1.20	3	720	41.21	29671.2	247.26
PB3	4.875	130	230	4.30+0.70/2*1.20	3	690	41.21	28434.9	236.9575
PB4	3.551	42	130	4.30+0.70/2*1.20	3	390	41.21	16071.9	133.9325
PB5	6.147	124 to 129	300	4.30+0.70/2*1.20	3	900	41.21	37089	309.075
PB6	4.225	132	190	4.30+0.70/2*1.20	3	570	41.21	23489.7	195.7475
PB7	5.064	71 to 78	300	4.30+0.70/2*1.20	3	900	41.21	37089	309.075

PB8	5.167	590, 594	250	4.30+0.70/2*1.20	3	750	41.21	30907.5	257.5625
	38.828		1910			5730		236133.3	
CD1	6.985	265	200		8.64	1728			
						234			
						1494	44.34	66243.96	552.033
CD2	3.144	288	80		8.64	691.2	44.34	30647.81	255.3984
CD3	5.798	307, 319, 406, 407	110		8.64	950.4			
						145.5			
						804.9	44.34	35689.27	297.4106
CD4	4.595	119 to 123	80		7.04	563.2	43.18	24318.98	202.6581
CD5	10.763	86, 87, 88, 96, 98, 100	200		8.04	1608	44.34	71298.72	594.156
CD6	4.376	103, 115	80		10.4	832	44.34	36890.88	307.424
CD7	0.8	590	20		10.4	208	44.34	9222.72	76.856
CD8	11.054	338, 339, 344, 346 to 351, 364	20		10.4	208	44.34	9222.72	76.856
CD9	5.363	323 to 328	25		10.4	260	44.34	11528.4	96.07
CD10	5.412	606, 607, 608, 712, 713	90		8.64	777.6	44.34	34478.78	287.3232
CD11	13.745	698 to 703, 707, 708, 697, 6836, 684	20		10.4	208	44.34	9222.72	76.856
CD12	5.167	667, 670, 1269	40		10.4	416	44.34	18445.44	153.712
Pucca work								233025	
<b>Total</b>	<b>77.202</b>		<b>965</b>			<b>8070.9</b>		<b>590235.4</b>	
WHB1	9.811	308 to 317	230		10.4	2392	44.34	106061.3	883.844
<b>Total</b>	<b>9.811</b>		<b>230</b>			<b>2392</b>		<b>106061.3</b>	
<b>Village- Suhajna</b>									
SB1	7.38	202 to 204, 206, 207	300	4.30+0.70/2*1.20	3	900	41.21	37089	309.075
SB2	8.686	213, 214, 218, 219, 235, 236 to 243	290	4.30+0.70/2*1.20	3	870	41.21	35852.7	298.7725
SB3	7.354	264 to 267	200	4.30+0.70/2*1.20	3	600	41.21	24726	206.05

<b>Total</b>	<b>23.42</b>		<b>790</b>			<b>2370</b>		<b>97667.7</b>	
CD1	9.878	25, 26, 70 to 72	140	10.60+1.20/2*2.20	12.98	1817.2			
						234			
						1583.2	46.08	72953.86	607.9488
CD2	9.587		150	11.20+1.20/2*2.50	15.5	2325	47.95	111483.8	929.0313
CD3	7.631	249 to 262	100		8.64	864	47.95	41428.8	345.24
<b>Total</b>	<b>27.096</b>		<b>390</b>			<b>4772.2</b>		<b>225866.4</b>	

### Village- Kuroara Daang (2C1B3d1a)

Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Manday Rs. 120/Labour
			Length	Width * Height					
SB1	9.389	97, 98, 99, 103, 104	320	5.42+0.60/2*1.62	4.875	1560	41.21	64287.6	535.73
SB2	5.904	108 to 111, 111, 112, 113	250	4.74+0.60/2*1.35	3.6	900	41.21	37089	309.075
SB3	6.257	114 to 117, 137, 122 to 124	350	4.05+0.50/2*1.35	3	1050	41.21	43270.5	360.5875
<b>Total</b>	<b>21.55</b>		<b>920</b>			<b>3510</b>		<b>144647.1</b>	

### Village- Fatehpur

SB1	21.641	495 to 525	510	5.42+0.60/2*1.62	4.875	2486.25	41.21	102458.4	853.8197
SB2	6.07	462, 463, 466, 479 to 482	190	4.05+0.50/2*1.35	3	570	41.21	23489.7	195.7475
SB3	4.687	875, 876, 892 to 895	210	4.74+0.60/2*1.35	3.6	756	41.21	31154.76	259.623
SB4	4.053	899, 921	180	4.74+0.60/2*1.35	3.6	648	41.21	26704.08	222.534
SB5	12.663	861 to 874, 879, 880	420	5.42+0.60/2*1.62	4.875	2047.5	41.21	84377.48	703.1456
SB6	16.88	804 to 809	560	5.42+0.60/2*1.62	4.875	2730	41.21	112503.3	937.5275
<b>Total</b>	<b>65.994</b>		<b>2070</b>			<b>9237.75</b>		<b>380687.7</b>	
CD1	12.344	900 to 906	130	8.70+1.50/2*1.80	9.18	1193.4			

						106			
						1087.4	44.34	48215.32	401.7943
CD2	5.757	854, 855, 883	120	$8.70+1.50/2*1.80$	9.18	1101.6	44.34	48844.94	407.0412
CD3	4.56	844 to 847	20	$9.10+1.50/2*1.90$	10.07	201.4	44.34	8930.076	74.4173
Pucca work								124650	
<b>Total</b>	<b>22.661</b>		<b>270</b>			<b>2390.4</b>		<b>230640.3</b>	
<b>Village- Imliya Dang</b>									
SB1	6.962	1241 to 1257, 1266, 1276 to 1279	240	$4.05+0.50/2*1.35$	3	720	41.21	29671.2	247.26
SB2	4.608	622 to 625, 632 to 635	120	$5.42+0.60/2*1.62$	4.875	585	41.21	24107.85	200.8988
<b>Total</b>	<b>11.57</b>		<b>360</b>			<b>1305</b>		<b>53779.05</b>	
PB1	6.017	644, 645	230	$5.60+0.60/2*1.50$	4.27	982.1	41.21	40472.34	337.2695
CD1	2.773	628, 629	25	$11.42+1.50/2*2.40$	15.5	387.5	47.95	18580.63	154.8385

**Village- Braipur (2C1B3d3a)**

Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Manday Rs. 120/Labour
			Length	Width * Height					
SB1	6.749	535, 533, 537, 522/2, 523, 536	250	4.05+0.50/2*1.35	3	750	41.21	30907.5	257.5625
SB2	2.3	526, 527, 292	90	4.05+0.50/2*1.35	3	270	41.21	11126.7	92.7225
SB3	5.89	314 to 319, 321 to 324, 326 to 330	230	4.05+0.50/2*1.35	3	690	41.21	28434.9	236.9575
<b>Total</b>	<b>14.939</b>		<b>570</b>			<b>1710</b>		<b>70469.1</b>	
CD1	4.233	230, 231, 232, 228	60	10.40+1.45/2*2.10	12.44	746.4	41.21	30759.14	256.3262
CD2	15.582	204, 212, 213, 215, 211, 207, 216, 172, 174, 175, 185, 186	50	5.30+1.50/2*2.30	19.32	966	41.21	39808.86	331.7405
CD3	3.801	260, 261, 258, 243, 615, 264	50	10.30+1.20/2*2.30	12.6	630	41.21	25962.3	216.3525
CD4	6.354	251 to 256, 245, 247 to 249, 246	50	15.50+1.50/2*2.39	20.27	1013.5	41.21	41766.34	348.0528
CD5	14.685	349 to 356, 359 to 363, 367, 342 to 346, 332 to 335	60	13.50+1.30/2*2.35	17.38	1042.8	41.21	42973.79	358.1149
CD6	4.328	429 to 432, 379, 382, 383, 390, 382 to 387, 377	80	8.80+1.20/2*2.10	10.5	840			
		377, 378, 394, 313, 390, 392				211.2			
						628.8	46.08	28975.1	241.4592
<b>Total</b>	<b>48.983</b>		<b>350</b>			<b>5027.5</b>		<b>210245.5</b>	
<b>Village- Bamhoari Kalan</b>									
SB1	3.622	264, 265, 266, 267, 268	195	4.05+0.50/2*1.35	3	585	41.21	24107.85	200.8988
SB2	3.1	273	168	4.05+0.50/2*1.35	3	504	41.21	20769.84	173.082
SB3	11.327	278, 277, 274, 271, 270, 285, 279 to 283	610	4.05+0.50/2*1.35	3	1830	41.21	75414.3	628.4525
SB4	7.017	290, 291, 287 to 289, 292, 293	380	3.60+0.50/2*1.20	2.47	938.6	41.21	38679.71	322.3309
SB5	3.88	300	210	4.05+0.50/2*1.35	3	630	41.21	25962.3	216.3525
SB6	10.898	294 to 299	590	3.60+0.50/2*1.20	2.47	1457.3	41.21	60055.33	500.4611
SB7	9.217	307 to 313, 315, 316	500	4.05+0.50/2*1.35	3	1500	41.21	61815	515.125
SB8	3.96	537, 539 to 541, 524	214	4.05+0.50/2*1.35	3	642	41.21	26456.82	220.4735

SB9	2.989	551,552	160	4.05+0.50/2*1.35	3	480	41.21	19780.8	164.84
SB10	4.488	554, 555, 559, 560	243	4.05+0.50/2*1.35	3	729	41.21	30042.09	250.3508
SB11	6.268	1048, 1043	340	3.60+0.50/2*1.20	2.47	839.8	41.21	34608.16	288.4013
SB12	3.145	1040 to 1042	170	4.05+0.50/2*1.35	3	510	41.21	21017.1	175.1425
<b>Total</b>	<b>69.911</b>		<b>3780</b>			<b>10645.7</b>		<b>438709.3</b>	
PB1	8.856	939, 940, 942 to 948, 950, 951	315	5.30+0.80/2*1.50	4.57	1439.55	41.21	59323.86	494.3655
PB2	3.838	980, 981, 983, 987, 971, 966	208	4.05+0.50/2*1.35	3	624	41.21	25715.04	214.292
PB3	4.267	959 to 962, 968, 955	230	4.05+0.50/2*1.35	3	690	41.21	28434.9	236.9575
PB4	2.031	930, 931, 932	110	4.05+0.50/2*1.35	3	330	41.21	13599.3	113.3275
PB5	1.326	890, 891, 895	70	4.05+0.50/2*1.35	3	210	41.21	8654.1	72.1175
<b>Total</b>	<b>20.318</b>		<b>933</b>			<b>3293.55</b>		<b>135727.2</b>	
MB1	2.743	1863 to 1865	145	3.60+0.50/2*1.20	2.47	358.15	41.21	14759.36	122.9947
MB2	5.247	2135 to 2138, 2129, 2130, 2132	280	3.60+0.50/2*1.20	2.47	691.6	41.21	28500.84	237.507
MB3	2.058	2113, 2112, 2088	110	4.05+0.50/2*1.35	3	330	41.21	13599.3	113.3275
MB4	6.911	2033 to 2035, 2049, 2037/2	370	4.05+0.50/2*1.35	3	1110	41.21	45743.1	381.1925
MB5	3.24	2094, 2101, 2035/2	175	4.05+0.50/2*1.35	3	525	41.21	21635.25	180.2938
<b>Total</b>	<b>20.199</b>		<b>1080</b>			<b>3014.75</b>		<b>124237.8</b>	
CD1	1.619	2203, 2206, 2207, 2208	60	6.09+1.20/2*2.10	8.5	510	46.08	23500.8	195.84
CD2	1.687	2196, 2193, 2194, 2184, 2185, 2163	40	6.09+1.20/2*2.10	8.5	340	46.08	15667.2	130.56
CD3	1.946	2178, 2195, 2192, 2176, 1868, 1843 to 1846	70	6.09+1.20/2*2.10	8.5	595	46.08	27417.6	228.48
CD4	2.709	2147, 2148, 2141, 2171, 2161, 2164, 2165	60	6.90+1.50/2*1.80	7.56	453.6	44.34	20112.62	167.6052
CD5	1.846	2156 to 2160	40	6.09+1.20/2*2.10	8.5	340	46.08	15667.2	130.56
CD6	7.09	559, 548, 547, 546, 556	70	8.80+1.20/2*2.20	10.99	769.3	46.08	35449.34	295.4112
<b>Total</b>	<b>16.897</b>		<b>340</b>			<b>3007.9</b>		<b>137814.8</b>	

Village- Bamrara (2c1B3d2a)

Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Manday Rs. 120/Labour
			Length	Width * Height					
SB1	26.904	1326, 1329, 1330, 1347, 1348	500	6.30+.80/2*1.50	4.57	2285	41.21	94164.85	784.7071
SB2	21.523	1396, 1398	400	6.30+.80/2*1.50	4.57	1828	41.21	75331.88	627.7657
SB3	16.142	1428, 1429	300	6.30+.80/2*1.50	4.57	1371	41.21	56498.91	470.8243
SB4	13.452	1470, 1472,	250	6.30+.80/2*1.50	4.57	1142.5	41.21	47082.43	392.3535
SB5	10.761	1475, 1476	200	6.30+.80/2*1.50	4.57	914	41.21	37665.94	313.8828
SB6	10.761	1506, 1408	200	6.30+.80/2*1.50	4.57	914	41.21	37665.94	313.8828
SB7	9.147	116, 117, 119, 121, 123, 125	170	6.30+.80/2*1.50	4.57	776.9	41.21	32016.05	266.8004
SB8	8.071	23, 25, 27, 58, 60	150	6.30+.80/2*1.50	4.57	685.5	41.21	28249.46	235.4121
SB9	8.074	65, 66, 67, 107, 109	150	6.30+.80/2*1.50	4.57	685.5	41.21	28249.46	235.4121
<b>Total</b>	<b>124.835</b>		<b>2320</b>			<b>10602.4</b>		<b>436924.9</b>	<b>3641.041</b>
CD1	19.725								
old work		1351	300	8.00+2.00/2*2.0	10	3000			
				7.00+1.00/2*2.0	8	800			
						2200	44.33	97526	812.7167
<b>Total</b>	<b>19.725</b>		<b>300</b>			<b>2200</b>		<b>97526</b>	<b>812.7167</b>
CD2	14.776	1355, 1356, 1357, 1359	300	8.0+2.00/2*2.00	10	3000	44.33	132990	1108.25
<b>Total</b>	<b>14.776</b>		<b>300</b>			<b>3000</b>		<b>132990</b>	
CD3	19.725	1365, 1366, 1367	300	8.00+2.00/2*2.00	10	3000			
Old Work				7.00+1.00/2*2.00	8	800			
						2200	44.33	97526	812.7167
<b>Total</b>	<b>19.725</b>		<b>300</b>			<b>2200</b>		<b>97526</b>	
CD4	121.707	1377, 1378	120	8.00+2.00/2*2.00	10	1200	44.33	53196	443.3

CD5		1403, 1404, 1405,	100	8.00+2.00/2*2.00	10	1000	44.33	44330	369.4167
CD6		1397, 1389, 1388	150	8.00+2.00/2*2.00	10	1500	44.33	66495	554.125
CD7		1465	120	8.00+2.00/2*2.00	10	1200	44.33	53196	443.3
CD8		52, 53, 54, 105	120	8.00+2.00/2*2.00	10	1200	44.33	53196	443.3
CD9		1065, 66, 67, 1069	150	8.00+2.00/2*2.00	10	1500	44.33	66495	554.125
CD10		1073, 1074, 1075	260	8.00+2.00/2*2.00	10	2600	44.33	115258	960.4833
CD11		10, 11, 27, 29, 30, 34, 36	150	8.00+2.00/2*2.00	10	1500	44.33	66495	554.125
CD12		12, 13, 16, 18, 19	200	8.00+2.00/2*2.00	10	2000	44.33	88660	738.8333
<b>Total</b>	<b>121.707</b>		<b>3170</b>			<b>13700</b>		<b>607321</b>	
RCD1	22.821	1486, 1487, 1488, 1493, 1494, 1499	200	14.00+2.00/2*3.00	24	4800			
Old Work				7.00+1.00/2*2.00	8	1200			
						3600	51.07	183852	1532.1
<b>Total</b>	<b>22.821</b>		<b>200</b>			<b>3600</b>		<b>183852</b>	

**Village- Bamrara, Roshan pura, Imaliya Daang (2c1B3d2g)**

Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Manday Rs. 120/Labour
			Length	Width * Height					
SB1	4.842	216	90	5.30+0.80/2*1.50	4.57	411.3	41.21	16949.67	141.2473
SB2	6.456	580	120	5.30+0.80/2*1.50	4.57	548.4	41.21	22599.56	188.3297
SB3	12.914	964, 966	240	5.30+0.80/2*1.50	4.57	1096.8	41.21	45199.13	376.6594
SB4	24.215	966, 967, 968, 693	450	5.30+0.80/2*1.50	4.57	2056.5	41.21	84748.37	706.2364
SB5	17.756	958, 959, 960, 961	330	5.30+0.80/2*1.50	4.57	1508.1	41.21	62148.8	517.9067
SB6	16.142	207, 208, 203	300	5.30+0.80/2*1.50	4.57	1371	41.21	56498.91	470.8243
SB7	9.416	216, 218, 221	175	5.30+0.80/2*1.50	4.57	799.75	41.21	32957.7	274.6475
SB8	8.071	194, 199	150	5.30+0.80/2*1.50	4.57	685.5	41.21	28249.46	235.4121
SB9	16.142	189, 190, 19, 192	300	5.30+0.80/2*1.50	4.57	1371	41.21	56498.91	470.8243

SB10	15.066	166, 168	280	5.30+0.80/2*1.50	4.57	1279.6	41.21	52732.32	439.436
SB11	17.218	179, 182, 187	320	5.30+0.80/2*1.50	4.57	1462.4	41.21	60265.5	502.2125
SB12	10.761	180, 181, 183	200	5.30+0.80/2*1.50	4.57	914	41.21	37665.94	313.8828
SB13	23.137	322, 325, 326,	430	5.30+0.80/2*1.50	4.57	1965.1	41.21	80981.77	674.8481
SB14	28.524	159, 169, 171, 172, 173	500	5.30+0.80/2*1.50	4.57	2285	41.21	94164.85	784.7071
SB15	10.761	150, 151, 152, 153	200	5.30+0.80/2*1.50	4.57	914	41.21	37665.94	313.8828
CD1	4.925	185, 183	100	8.0+2.0/2*2.00	10	1000	44.33	44330	369.4167
CD2	2.953	186, 188	60	8.0+2.0/2*2.00	10	600	44.33	26598	221.65
CD3	2.953	189, 190, 191	60	8.0+2.0/2*2.00	10	600	44.33	26598	221.65
CD4	16.897	200	150	8.0+2.0/2*2.00	10	1500	44.33	66495	554.125
CD5	9.851	237, 238, 242	200	8.0+2.0/2*2.00	10	2000	44.33	88660	738.8333
CD6	3.940	195, 196	80	8.0+2.0/2*2.00	10	800	44.33	35464	295.5333
CD7	3.940	978	80	8.0+2.0/2*2.00	10	800	44.33	35464	295.5333
CD8	5.925	160	100	8.0+2.0/2*2.00	10	1000	44.33	44330	369.4167
CD9	11.525	161	100	8.0+2.0/2*2.00	10	1000	44.33	44330	369.4167
CD10	11.525	984	100	8.0+2.0/2*2.00	10	1000	44.33	44330	369.4167
CD11	1.477	928, 930	30	8.0+2.0/2*2.00	10	300	44.33	13299	110.825
CD12	4.925	248, 249, 250, 246	100	8.0+2.0/2*2.00	10	1000	44.33	44330	369.4167
CD13	4.925	235, 236, 247	100	8.0+2.0/2*2.00	10	1000	44.33	44330	369.4167
<b>Total</b>	<b>85.761</b>		<b>1260</b>			<b>12600</b>		<b>558558</b>	
RCD1	33.868	132to150	300	14.00+2.00/2*3.00	24	7200	51.07	367704	3064.2
RCD2	16.845	857to859	100	14.00+2.00/2*3.00	24	2400	51.07	122568	1021.4
		863to866							
		1029to1030							
RCD3	13.868	34, 36, 38,to46	300	14.00+2.00/2*3.00	24	7200	51.07	367704	3064.2
<b>Total</b>			<b>700</b>			<b>16800</b>		<b>857976</b>	
RCD1		132to150	150	7.00+1.00/2*2.00	8	1200			

RCD2		857to859, 1030, 863to866	50	7.00+1.00/2*2.00	8	400			
RCD3		34, 36, 38to46	150	7.00+1.00/2*2.00	8	1200			
			350			2800	51.07	142996	
						14000	51.07	714980	
<b>Total</b>	<b>64.581</b>		<b>700</b>			<b>14000</b>		<b>714980</b>	

**Village- Bamrara (2c1B3d3b)**

Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Manday Rs. 120/Labour
			Length	Width * Height					
SB1	2.331	1371to1374	150	4.30+0.7/2*1.20	3	450	41.21	18544.5	764218.845
SB2			150	4.30+0.7/2*1.20	3	450	41.21	18544.5	764218.845
SB3			300	4.30+0.7/2*1.20	3	900	41.21	37089	1528437.69
Total						1800		74178	
PB1	10.361	247, 252, 253	250	5.50+1.00/2*1.50	4.875	1218.75	41.21	50224.69	2069759.372
<b>Total</b>	<b>10.361</b>		<b>250</b>			<b>1218.75</b>		<b>50224.69</b>	
CD1	1.493	249, 250	80	8.40+1.20/2*1.80	8.64	691.2	44.34	30647.81	1358923.807
CD2	3.326	238	100	8.40+1.20/2*1.80	8.64	864	44.34	38309.76	1698654.758
CD3	7.38	108 to 116, 104	100	8.40+1.20/2*1.80	8.64	864	44.34	38309.76	1698654.758
CD4	10.735	190 to 194	20	12+2.00/2*2.50	17.5	350	47.95	16782.5	804720.875
CD5	7.485	201 to205, 142, 148, 149	80	9.20+1.20/2*2.00	10.4	832	44.34	36890.88	1635741.619
CD6	8.774	121to 131	60	9.20+1.20/2*2.00	10.4	624	44.34	27668.16	1226806.214
CD7	15.177	135 to141,152, 144 to 147, 177	300	9.20+1.20/2*2.00	10.4	3120	45.34	141460.8	6413832.672
<b>Total</b>			<b>740</b>			<b>7345.2</b>		<b>330069.7</b>	
SB1	6.898	168 to 178	240	4.30+0.70/2*1.20	3	720	41.21	29671.2	1222750.152
SB2	9.567	336 to 354	240		3.6	864	41.21	35605.44	1467300.182

SB3	5.58	366 to 370	240	3.90+0.60/2*1.20	2.47	592.8	41.21	24429.29	1006730.958
SB4	3.069	477 to 484	200		3	600	41.21	24726	1018958.46
<b>Total</b>	<b>25.114</b>		<b>920</b>			<b>2776.8</b>		<b>114431.9</b>	
CD1	11.182	85, 92	120	8.40+1.20/2*1.80	8.64	1036.8	44.34	45971.71	2038385.71
CD2	21.571	75-81, 93-96	350	8.40+1.20/2*1.80	8.64	3024	44.34	134084.2	5945291.654
CD3	6.571	133, 61, 78	100	9.20+1.20/2*2.00	10.4	1040	44.34	46113.6	2044677.024
CD4	10.722	63, 64	200		8.64	1728	44.34	76619.52	3397309.517
CD5	6.407	421, 423, 424, 47	80		8.64	691.2	44.34	30647.81	1358923.807
CD6	10.311	425-427, 422, 446-449	150		10.4	1560	44.34	69170.4	3067015.536
CD7	2.293	473, 474	20	11.10+1.50/2*2.40	15.12	302.4	47.95	14500.08	695278.836
CD8	15.331	4-19, 24	30		10.4	312	44.34	13834.08	613403.1072
<b>Total</b>	<b>84.388</b>		<b>1050</b>			<b>9694.4</b>		<b>430941.4</b>	
SB1	4.4	379-383, 414	190	4.30+.700/2*1.20	3	570	41.21	23489.7	968010.537
CD1	6.063	412, 415	100	9.20+1.20/2*2.00	10.4	1040	44.34	46113.6	2044677.024
<b>Total</b>	<b>10.463</b>		<b>290</b>			<b>1610</b>		<b>69603.3</b>	

#### Village- Bagraun (2C1B3d3d)

Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Manday Rs. 120/Labour	Name of Farmers
			Length	Width * Height						
SB1	10.5	884, 886	180	6.80+.80*1.50/2	5.7	1026	41.23	42301.98	352.5165	Laxman Das
SB2	11.5	927, 928	180	6.80+.80*1.50/2	5.7	1026	41.23	42301.98	352.5165	Moolchandra
SB3	9.7	922 to 924	210	6.80+.80*1.50/2	5.7	1197	41.23	49352.31	411.26925	Kaiya Prasad
SB4	11.3	915, 917, 920	250	6.80+.80*1.50/2	5.7	1425	41.23	58752.75	489.60625	Dayaram
SB5	10.5	779, 655	190	6.80+.80*1.50/2	5.7	1083	41.23	44652.09	372.10075	Rajaram
SB6	10	645, 648, 775	190	6.80+.80*1.50/2	5.7	1083	41.23	44652.09	372.10075	Gore Lal

SB7	11.77	790, 768, 769	200	6.80+.80*1.50/2	5.7	1140	41.23	47002.2	391.685	Jagat Singh
SB8	14.7	756, 647	250	6.80+.80*1.50/2	5.7	1425	41.23	58752.75	489.60625	Lallu
SB9	10.05	643, 1359	150	6.80+.80*1.50/2	5.7	855	41.23	35251.65	293.76375	Lallu
<b>Total</b>			<b>1800</b>			<b>10260</b>		<b>423019.8</b>	<b>3525.165</b>	
PB1	11	1362	200	6.80+.80*1.50/2	5.7	1140	41.23	47002.2	391.685	Madan, Deshraj
PB2	12.1	1341	220	6.80+.80*1.50/2	5.7	1254	41.23	51702.42	430.8535	Gaya Prasad
PB3	9.05	995	150	6.80+.80*1.50/2	5.7	855	41.23	35251.65	293.76375	Tijvari
PB4	12.4	684, 687	200	6.80+.80*1.50/2	5.7	1140	41.23	47002.2	391.685	
PB5	18.7	655	300	6.80+.80*1.50/2	5.7	1710	41.23	70503.3	587.5275	Halke
PB6	16.74	401, 402	250	6.80+.80*1.50/2	5.7	1425	41.23	58752.75	489.60625	
<b>Total</b>			<b>1320</b>			<b>7524</b>		<b>310214.52</b>	<b>2585.121</b>	
CD1	10.5	685	80	10.70+1.50*2.30/2	14.03	1122.4	47.95	53819.08	448.4923333	
CD2	10.08	725	60	10.70+1.50*2.30/2	14.03	841.8	47.95	40364.31	336.36925	Mukundi
CD3	10.25	1108, 1107	150	10.70+1.50*2.30/2	14.03	2104.5	47.95	100910.775	840.923125	Ghanshyam Das
CD4	4.1	548, 546	60	10.70+1.50*2.30/2	14.03	841.8	47.95	40364.31	336.36925	Halke
CD5	20.5	741	180	10.70+1.50*2.30/2	14.03	2525.4	47.95	121092.93	1009.10775	
CD6	10.8	949, 946	100	10.70+1.50*2.30/2	14.03	1403	47.95	67273.85	560.6154167	Laxman, Shankar
CD7	10.5	940, 945	100	10.70+1.50*2.30/2	14.03	1403	47.95	67273.85	560.6154167	Uttam Singh
CD8	9.1	953, 939, 937	180	10.70+1.50*2.30/2	14.03	2525.4	47.95	121092.93	1009.10775	Kamla, Sevaram
CD9	4.18	599	80	10.70+1.50*2.30/2	14.03	1122.4	47.95	53819.08	448.4923333	Halke, Mohan Lal
<b>Total</b>			<b>990</b>			<b>13889.7</b>		<b>666011.115</b>	<b>5550.092625</b>	

Village- Supa (2C1B3d3c)

Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Manday Rs. 120/Labour	Name of Farmers
			Length	Width * Height						
SB1	17	541, 543, 544	400	5.00+1.00*1.70/2	5.1	2040	41.21	84068.4	700.57	Chandbhan etc.
SB2	17	545, 548	400	5.00+1.00*1.70/2	5.1	2040	41.21	84068.4	700.57	Rahoob Khan etc.
SB3	17	554, 560	400	5.00+1.00*1.70/2	5.1	2040	41.21	84068.4	700.57	Shatrughan etc.
SB4	17	759, 630	400	5.00+1.00*1.70/2	5.1	2040	41.21	84068.4	700.57	Parshuram etc.
SB5	30	1465, 1668	600	5.00+1.00*1.70/2	5.1	3060	41.21	126103	1050.855	Raghvendra etc.
SB6	32	299, 28, 1165	800	5.00+1.00*1.70/2	5.1	4080	41.21	168137	1401.14	Ashok Kumar etc.
<b>Total</b>			<b>3000</b>			<b>15300</b>		<b>630513</b>	<b>5254.275</b>	
CD1	20	629	70	92.00+12.00*2.50/2	17.5	1225	47.95	58738.8	489.4895833	Nathuram
CD2	24	654	80	92.00+12.00*2.50/2	17.5	1400	47.95	67130	559.4166667	Munna
CD3	24	216	80	92.00+12.00*2.50/2	17.5	1400	47.95	67130	559.4166667	Arun Kumar
CD4	24	377	80	92.00+12.00*2.50/2	17.5	1400	47.95	67130	559.4166667	Brij Kishor
CD5	24	1097	80	92.00+12.00*2.50/2	17.5	1400	47.95	67130	559.4166667	Mohan Swaroop
CD6	24	1799	80	92.00+12.00*2.50/2	17.5	1400	47.95	67130	559.4166667	Kusum
CD7	20	1300	70	92.00+12.00*2.50/2	17.5	1225	47.95	58738.8	489.4895833	Jamna, Suman etc.
<b>Total</b>			<b>540</b>			<b>9450</b>		<b>453128</b>	<b>3776.0625</b>	
WHB1	28	577, 2061	100	14.00+2.00*3.00/2	24	2400	51.07	122568	1021.4	Mangal Singh
WHB2	32	581, 65	100	14.00+2.00*3.00/2	24	2400	51.07	122568	1021.4	Virendra Singh
WHB3	28	632, 640	100	14.00+2.00*3.00/2	24	2400	51.07	122568	1021.4	Gangadeen
WHB4	32	97	120	14.00+2.00*3.00/2	24	2880	51.07	147082	1225.68	Udit Narayan
<b>Total</b>			<b>420</b>			<b>10080</b>		<b>514786</b>	<b>4289.88</b>	

**Village- Bamhauri Kalan/Imiliya Daang (2C1B3d1b)**

Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Manday Rs. 120/Labour	Name of Farmers
			Length	Width * Height						
SB1	16.142	493, 494, 497	300	4.60+0.80*1.50/2	4.57	1371	41.21	56498.91	470.82425	Sukhanandi, Mansharam
SB2	16.142	499, 500, 501	300	4.60+0.80*1.50/2	4.57	1371	41.21	56498.91	470.82425	Sukhanandi, Kalicharan, Jagdish
SB3	10.761	257, 269, 270	200	4.60+0.80*1.50/2	4.57	914	41.21	37665.94	313.8828333	Kaushal Kishor, Parichat, Chunbaad
SB4	21.523	271, 274, 301	400	4.60+0.80*1.50/2	4.57	1828	41.21	75331.88	627.7656667	Prabhu, Kallu
SB5	10.761	314, 350, 335, 348	200	4.60+0.80*1.50/2	4.57	914	41.21	37665.94	313.8828333	Jagrani
SB6	16.142	308, 311, 309, 357	300	4.60+0.80*1.50/2	4.57	1371	41.21	56498.91	470.82425	Rameshwar, Puniya
SB7	16.142	441, 442, 304, 305	300	4.60+0.80*1.50/2	4.57	1371	41.21	56498.91	470.82425	Baladeen, Karan Singh
SB8	10.761	107, 110, 111, 112	200	4.60+0.80*1.50/2	4.57	914	41.21	37665.94	313.8828333	Kadora, Gajraj, Pragi Lal
SB9	16.142	100, 101, 102, 103	300	4.60+0.80*1.50/2	4.57	1371	41.21	56498.91	470.82425	Madhav Singh, Darshan Singh
SB10	16.142	80, 84, 87, 90, 95	300	4.60+0.80*1.50/2	4.57	1371	41.21	56498.91	470.82425	Bhaiya Lal, Shankar lal
<b>Total</b>			<b>2800</b>			<b>12796</b>		<b>527323.16</b>	<b>4394.359667</b>	
CD1	9.846	Old Work	55	4.60+0.80*1.50/2	4.57	251.35				Balveer, Raghuveer
		497, 489, 486, 490, 491, 492	225	8.00+2.00*2.00/2	10	2250				Bablu, Shankar

			2250	251	1999		44.33	88615		
CD2	9.846	Old Work	55	4.60+0.80*1.50/2	4.57	251.35				Smt. Rajkunvar
		451, 452, 462, 463	225	8.00+2.00*2.00/2	10	2250				Smt. Kusumrani, Kadora, Harprasad
			2250	251	1999		44.33	88615		
CD3	9.846	Old Work	55	4.60+0.80*1.50/2	4.57	251.35				Dhan Singh, Ramprasad
		705, 708	225	8.00+2.00*2.00/2	10	2250				
			2250	251	1999		44.33	88615		
CD4	20.957	Old Work	55	4.60+0.80*1.50/2	4.57	251.35				Shri Chandra, Smt. Raj Kunvar
		401, 402, 396, 397	225	8.00+2.00*2.00/2	10	2250				Harcharan, Pragi Lal
			2250	251	1999		44.33	88615		
CD5	9.851	308, 311, 383	200	8.00+2.00*2.00/2	10	2000	44.33	88660		Rameshwar, Puniya, Manki
CD9		Old Work	70	4.60+0.80*1.50/2	4.57	319.9				
		85, 86, 88, 90	200	8.00+2.00*2.00/2	10	2000				Kashi, Mohan, Hardayal
			2000	319		1681	44.33			
CD10	29.793	Old Work	100	4.60+0.80*1.50/2	4.57	457				
		922, 232, 986, 865	425	8.00+2.00*2.00/2	10	4250				
			4250	457	3793	16120250	44.33			Bhaiyadeen, Rameshwar
<b>Village- Bamhauri Kalan</b>										
CD6	4.925	1802, 1803, 1804	100	8.00+2.00*2.00/2	10	1000	44.33	44330		Jagdish, Chedi, Sitaram
CD7	9.851	1807, 1818,	200	8.00+2.00*2.00/2	10	2000	44.33	88660		Virendra,

		1823								Munna
CD8	17.503	Old Work	55	4.60+0.80*1.50/2	4.57	251.35				Param Prakash
		1815, 1814, 1809	200	8.00+2.00*2.00/2	10	2000				Parmeshwari
<b>Total</b>			<b>2000</b>	<b>251</b>		<b>1749</b>	<b>44.33</b>	<b>77533.17</b>		

**Village- Majhol (2C1B3d2d)**

Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Manday Rs. 120/Labour	Name of Farmers
			Length	Width * Height						
PB1	13.175	7, 4, 93	350	4.70+0.50*1.40/2	3.64	1274	41.21	52501.5	437.513	Todan Singh, Narayan Das, Mahendra Kumar
PB2	4.379	18, 11, 12, 15, 19	115	4.70+0.50*1.40/2	3.64	418.6	41.21	17250.5	143.754	Kalyan Singh, Dashrath Singh, Shyam Singh etc.
PB3	7.066	95, 97	188	4.70+0.50*1.40/2	3.64	684.32	41.21	28200.8	235.007	Shri Banke Bihari Joo, Jalim
PB4	1.891	26, 27, 28	50	4.70+0.50*1.40/2	3.64	182	41.21	7500.22	62.5018	Radhika Prasad, Kalyan Singh, Hira Lal
PB5	2.493	36, 37	66	4.70+0.50*1.40/2	3.64	240.24	41.21	9900.29	82.5024	Hira Lal
PB6	4.106	75, 67, 68, 69	109	4.70+0.50*1.40/2	3.64	396.76	41.21	16350.5	136.254	Ramsewak, Parsharam, Vijay Kumar
PB7	3.278	98 to 103	85	4.70+0.50*1.40/2	3.64	309.4	41.21	12750.4	106.253	Narayan Das, Mahendra Kumar
<b>Total</b>	<b>36.388</b>					<b>3505.32</b>		<b>144454</b>	<b>1203.79</b>	
SB1	2.109	89, 88, 87	60	4.55+0.50*1.35/2	3.4	204	41.21	8406.84	70.057	Maan Singh, Ramswaroop

SB2	6.942	281, 280, 288	198	4.55+0.50*1.35/2	3.4	673.2	41.21	27742.6	231.188	Mathura, Pyari Bai etc.
SB3	5.033	283, 284, 288	142	4.55+0.50*1.35/2	3.4	482.8	41.21	19896.2	165.802	Ratiram
SB4	3.746	29, 24, 33, 32, 31	107	4.55+0.50*1.35/2	3.4	363.8	41.21	14992.2	124.935	Sunni, Summer Singh
SB5	4.221	334, 335, 337, 332, 331, 333, 330	112	4.55+0.50*1.35/2	3.4	380.8	41.21	15692.8	130.773	Devi Singh, Shiv Sinah
<b>Total</b>						<b>2104.6</b>		<b>86730.6</b>	<b>722.755</b>	
CD1	8.112	279, 278, 277, 288	118	11.20+1.20*2.50/2	15.5	1829	41.21	75373.1	628.109	Bare Lal, Moti Lal
CD2	4.375	275, 269, 274, 230	30	11.20+1.20*2.50/2	15.5	465	41.21	19162.7	159.689	Parm Lal etc.
CD3	6.904	273, 269, 253, 254	20	11.20+1.20*2.50/2	15.5	310	41.21	12775.1	106.459	Chatur Singh, Narendra etc.
CD4	5.319	104, 90, 92, 85	80	11.20+1.20*2.50/2	15.5	1240	41.21	51100.4	425.837	Sarman
CD5	8.166	65, 60, 61, 62, 43, 44, 45, 46, 48	65	11.20+1.20*2.50/2	15.5	1007.5	41.21	41519.1	345.992	Smt. Foolarani
CD6	17.918	52 to 56, 293 to 329	154	11.20+1.20*2.50/2	15.5	2387	41.21	98368.3	819.736	Parshuram, Uttam etc.
CD7	10.019	78, 79, 83 to 87	54	11.20+1.20*2.50/2	15.5	837	41.21	34492.8	287.44	Banke Bihari Joo, Moti Lal
<b>Total</b>						<b>8075.5</b>		<b>332791</b>	<b>2773.26</b>	

**Village- Sohajana (2C1B3d2c)**

Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Manday Rs. 120/Labour	Name of Farmers
			Length	Width * Height						
SB1	7.088	67, 68, 70, 76, 90, 91, 92	260	4.50+0.60*1.35/2	3.44	894.4	41.21	36858.224	307.1518667	Shri Ghaseeta
SB2	8.86	100, 101	250	4.50+0.60*1.35/2	3.44	860	41.21	35440.6	295.3383333	Jahir Singh
SB3	17.816	116, 115, 114	150	4.50+0.60*1.35/2	3.44	516	41.21	21264.36	177.203	Har Prasad

SB4	9.923	171	280	4.50+0.60*1.35/2	3.44	963.2	41.21	39693.472	330.7789333	Ramswaroop
SB5	8.151	108	230	4.50+0.60*1.35/2	3.44	791.2	41.21	32605.352	271.7112667	Chandrashekhar
SB6	7.442	540, 541	210	4.50+0.60*1.35/2	3.44	722.4	41.21	29770.104	248.0842	Rambabu
<b>Total</b>	<b>59.28</b>		<b>1380</b>			<b>4747.2</b>		<b>195632.112</b>	<b>1630.2676</b>	
PB1	9.735	445, 447, 429	250	4.80+0.60*1.40/2	3.78	945	41.21	38943.45	324.52875	Ghaseeta
PB2	7.788	702, 701, 703	200	4.80+0.60*1.40/2	3.78	756	41.21	31154.76	259.623	Dayaram
PB3	10.515	651, 659	270	4.80+0.60*1.40/2	3.78	1020.6	41.21	42058.926	350.49105	Tuda
<b>Total</b>	<b>28.038</b>		<b>720</b>			<b>8982.4</b>		<b>370164.704</b>	<b>3084.705867</b>	
CD1	15.528	745, 768	120	11.00+1.00*2.50/2	15	1800	41.21	74178	618.15	Ramratan
<b>Total</b>	<b>15.528</b>		<b>120</b>			<b>1800</b>	<b>41.21</b>	<b>74178</b>	<b>618.15</b>	

**Village- Fatehpur (2C1B3d2f)**

Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Manday Rs. 120/Labour	Name of Farmers
			Length	Width * Height						
SB1	7.34	678, 679, 662, 676, 685	235	3.60+0.50*1.30/2	2.66	625.1	41.2 1	25760.371	214.6697583	Maan Singh, Mardan Singh, Udal
SB2	12.539	686, 660, 661, 669, 671, 673, 677, 664 to 668	400	3.60+0.50*1.30/2	2.66	1064	41.2 1	43847.44	365.3953333	Kadore, Umashankar, Ramadheen, Prem Lal, Ritik etc.
SB3	5.558	645, 647, 648	175	3.60+0.50*1.30/2	2.66	465.5	41.2 1	19183.255	159.8604583	Vindravan
SB4	3.537	596, 597	110	3.60+0.50*1.30/2	2.66	292.6	41.2 1	12058.046	100.4837167	Panchu, Gayadeen etc.
SB5	5.04	615 to 621	160	3.60+0.50*1.30/2	2.66	425.6	41.2 1	17538.976	146.1581333	Jagannath, Durjan, Brijlal, Raghuvar, Kapoor Singh,

										Moolchandra, Mahendra
SB6	7.068	459, 449, 454, 455, 463	225	$3.60+0.50*1.30/2$	2.66	598.5	41.2 1	24664.185	205.534875	Matadeen, Jaipal, Ganesh, Bhagvaan Das etc.
SB7	6.228	444, 443, 442, 447, 448, 445, 465, 468	225	$3.60+0.50*1.30/2$	2.66	598.5	41.2 1	24664.185	205.534875	Kandhi Lal, Gopal, Smt. Kashi Bai
SB8	2.748	607, 608, 611, 613	100	$3.60+0.50*1.30/2$	2.66	266	41.2 1	10961.86	91.34883333	Chatur, Prabhakar etc.
SB9	1.731	327	70	$3.60+0.50*1.30/2$	2.66	186.2	41.2 1	7673.302	63.94418333	Buddh Singh
SB10	1.265	330, 331, 332	60	$3.60+0.50*1.30/2$	2.66	159.6	41.2 1	6577.116	54.8093	Smt. Radharani
SB11	1.209	165, 164/2	50	$3.60+0.50*1.30/2$	2.66	133	41.2 1	5480.93	45.67441667	Bhaiyadeen, Nandu Lal etc.
<b>Total</b>						<b>4814.6</b>		<b>198409.66 6</b>	<b>1653.413883</b>	
PB1	1.338	213, 220/2	70	$4.50+0.50*1.35/2$	3	210	41.2 1	8654.1	72.1175	Kashi Prasad
PB2	4.164	224, 221, 222	220	$4.50+0.50*1.35/2$	3	660	41.2 1	27198.6	226.655	Laxmi Prasad
PB3	1.695	227	90	$4.50+0.50*1.35/2$	3	270	41.2 1	11126.7	92.7225	Chetaram, Bhupendra etc.
PB4	4.432	234, 239, 241, 244, 246, 242, 243, 233	235	$4.50+0.50*1.35/2$	3	705	41.2 1	29053.05	242.10875	Matadeen, Ramasre, Ram Prakash, Nanhe Lal
PB5	3.055	236, 232, 243, 233	160	$4.50+0.50*1.35/2$	3	480	41.2 1	19780.8	164.84	Rmadeen, Mangi Lal, Rajendra,

										Premchandra
PB6	6.598	281, 280/2, 282, 283, 296	350	4.50+0.50*1.35/2	3	1050	41.2 1	43270.5	360.5875	Chaturaiya, Ramsewak
PB7	0.679	308, 310, 303, 309	40	4.50+0.50*1.35/2	3	120	41.2 1	4945.2	41.21	Durjan, Arvind, Pratap Narayan etc.
<b>Total</b>			<b>1165</b>			<b>3495</b>		<b>144028.95</b>	<b>1200.24125</b>	
CD1	15.658	642, 646, 641, 598, 592, 591, 654, 594, 595, 600	130	9.60+1.30*2.40/2	13.08	1700.4	47.9 6	81551.184	679.5932	Ayodhya Prasad
CD2	3.895	272, 274, 275, 276	62	9.60+1.30*2.40/2	13.08	810.96	47.9 6	38893.641 6	324.11368	Ilaiya
CD3	16.568	320, 321, 225, 214, 210, 155 to 158, 171 to 174, 162, 164, 161	90	10.40+1.50*2.60/2	15.47	1392.3	49.9 4	69531.462	579.42885	Vanshidhar
<b>Village- Majhol</b>										
SB1	1.865	171, 172, 170	100	4.05+0.50*1.35/2	3	300	41.2 1	12363	103.025	Shardadeen, Parichat, Jai Singh
SB2	1.368	175, 174, 173	75	4.05+0.50*1.35/2	3	225	41.2 1	9272.25	77.26875	Ramgopal, Ashok
SB3	1.45	157, 158, 155, 142, 132, 143, 138	80	4.05+0.50*1.35/2	3	240	41.2 1	9890.4	82.42	Tijva, Shivcharan
SB4	5.588	243, 248, 137, 144/2	300	4.05+0.50*1.35/2	3	900	41.2 1	37089	309.075	Hargovind, Vanshi, Manshram,

										Baladeen, Gopal
SB5	10.291	247, 245, 246, 257, 258, 259, 269	330	5.5+1.00*1.40/2	4.55	1501.5	41.2 1	61876.815	515.640125	Jang Bahadur, Pushpendra etc.
SB6	1.557	127, 128	90	4.05+0.50*1.35/2	3	270	41.2 1	11126.7	92.7225	Mantu, Sarman
SB7	3.964	116, 117, 118 to 124	220	4.05+0.50*1.35/2	3	660	41.2 1	27198.6	226.655	Bhaiyadeen, Chatur Singh
SB8	4.752	83, 84, 86, 87, 88	250	4.05+0.50*1.35/2	3	750	41.2 1	30907.5	257.5625	Natthu, Arvind Kumar
SB9	0.577	222	40	4.05+0.50*1.35/2	3	120	41.2 1	4945.2	41.21	Shardadeen
SB10	3.193	228, 225/2	175	4.05+0.50*1.35/2	3	525	41.2 1	21635.25	180.29375	
<b>Total</b>						<b>5491.5</b>		<b>226304.71 5</b>	<b>1885.872625</b>	
PB1	1.417	180, 182, 185	80	4.05+0.50*1.35/2	3	240	41.2 1	9890.4	82.42	Digambar Sharan etc.
PB2	3.64	197, 198, 199, 157	200	4.05+0.50*1.35/2	3	600	41.2 1	24726	206.05	Raghuveer, Hari Singh, Balram
PB3	2.056	443, 447, 442, 444, 448	110	4.05+0.50*1.35/2	3	330	41.2 1	13599.3	113.3275	Smt. Rajrani, Badri Prasad
PB4	1.796	454, 455	100	4.05+0.50*1.35/2	3	300	41.2 1	12363	103.025	Vanshi, Tikaram, Ramesh
PB5	7.236	462, 483, 482, 429, 480, 477	300	5.5+1.00*1.40/2	3	900	41.2 1	37089	309.075	Muluva, Anantram etc.
PB6	4.041	471, 485, 467, 468	220	4.05+0.50*1.35/2	4.55	1001	41.2 1	41251.21	343.7600833	Muluva
PB7	7.773	424, 431, 432, 422, 433, 411,	130	5.5+1.00*1.40/2	4.55	591.5	41.2 1	24375.715	203.1309583	Smt. Keshar, Dharmi

		414, 416, 413, 423								
<b>Total</b>						<b>3962.5</b>		<b>163294.62 5</b>	<b>1360.788542</b>	
CD1	4.772	456, 458, 461, 486, 489, 490, 491, 492	60	6.30+1.20*2.10/2	7.8	468	41.2 1	19286.28	160.719	Mohan Lal
						0	41.2 1	0	0	
<b>Village- Kuraura Daang</b>										
SB1	2.118	40, 60, 41, 65	40	4.05+0.50*1.35/2	3	120	41.2 1	4945.2	41.21	Dharam Singh, Chainu
SB2	1.584	190, 191, 187, 189	60	4.05+0.50*1.35/2	3	180	41.2 1	7417.8	61.815	Baladeen, Nripat, Rafeeq
<b>Total</b>						<b>300</b>		<b>12363</b>	<b>103.025</b>	
MB/PB1	4.016	5, 6, 7, 8, 3, 16, 17	180	4.05+0.50*1.35/2	3	540	41.2 1	22253.4	185.445	Mrugraj Singh, Natthu, Mangal, Sarman, Jai Singh, Hari Singh
CD1	15.048	40, 32, 34, 35, 33, 29, 30, 38, 31, 27, 28	80	9.20+1.20*2.32/2	12	960	47.9 6	46041.6	383.68	Dharam Singh

S. No.	Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work	Cross Section (Area)	Work Measurement m <sup>3</sup>	Rate Rs/ m <sup>3</sup>	Total Cost (Rs.)	Manday	Name of Farmers
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				Length	Width * Height					Rs. 120/Labour	
<b>Asthon 2C2A3n1a</b>											
1	S.B. 1	4.083	998	130	5.25 +0.6 0*1.3 0	3.80	494.325	41.2 1	20371.1 3	170	Bhavani Prasad
2	S.B. 2	2.533	925	100	4.50 +0.6 0*1.2 0	3.06	306	41.1 2	12582.7 2	105	Lakhan etc.Asarfi Lal, Ramratan, Jagdish, Vishvanath etc.
3	S.B. 3	4.691	1260, 1261, 1262, 1205, 1207, 1210	150	5.25 +0.6 0*1.3 0	3.80	570.375	41.1 2	23453.8 2	195	Vishvanath etc.
<b>Total</b>				<b>380</b>	<b>0</b>	<b>10.665</b>	<b>1370.7</b>		<b>56407.6 7</b>	470	
1	C.D. 1	6.316	1192, 1214 to 1220	100	8.00 +0.8 0*2.1 0	9.24	924	46.0 7	42568.6 8	355	Arvindra Dayal etc.

2	C.D. 2	12.909	935, 934, 933, 947 to 950	100	10.65 +1.5 0*2.8 0	17.01	1701	51.0 7	86870.0 7	724	Ambika Prasad, Siyaram, Khilaiya, Tulsidas, Jay PrakashBaldau, Rajbahadur, Daliya
3	C.D. 3	7.928	972, 978 to 982, 983, 975, 976	100	8.70 +1.0 0*2.3 0	11.16	1115.5	47.9 5	53488.2 3	446	
	<b>Total</b>			<b>300</b>	<b>0</b>	<b>37.405</b>	<b>3740.5</b>		<b>182927</b>	1524	
1	W.H.B. 1	8.15	995, 996, 990 to 994, 985 to 988	150	8.00 +1.0 0*2.3 0	10.35	1552.5	46.0 7	71523.6 8	596	Khalid Husain, Natthu, Ram Kumar, Dashrath SinghHannu, Gajraj Singh
2	W.H.B. 2	16.758	951, 952, 944 to 950	228	8.00 +1.0 0*2.3 0	10.35	2359.8	46.0 7	108716	906	
	<b>Total</b>			<b>378</b>	<b>0</b>	<b>20.7</b>	<b>3912.3</b>		<b>180239.</b> <b>7</b>	1502	
<b>Asthon (2C2A3p2g)</b>											
1	S.B. 1	9.027	764, 765, 766	320	5.50 +1.0	4.87	1558.4	41.2 1	64221.6 6	535	-----

					0*1.5 0						
2	S.B. 2	7.522	751 to 775	260	5.50 +1.0 0*1.5 0	4.87	1266.2	41.2 1	52180.1	435	Smt.Barkat, Natthu, Gopal, Bharat
3	S.B. 3	7.522	774, 778	260	5.50 +1.0 0*1.5 0	4.87	1266.2	41.2 1	52180.1	435	Rajbahadur Singh, Raghuvar
4	S.B. 4	7.017	795	200	5.50 +1.0 0*1.5 0	4.87	974	41.2 1	40138.5 4	334	
5	S.B. 5	7.017	791	200	5.50 +1.0 0*1.5 0	4.87	974	41.2 1	40138.5 4	334	Raskalal
6	S.B. 6	7.017	797	200	5.50 +1.0 0*1.5 0	4.87	974	41.2 1	40138.5 4	334	Shanpal Singh
7	S.B. 7	9.636	770	380	5.50 +1.0 0*1.5	4.87	1850.6	41.2 1	76263.2 3	636	Arvindra Singh

					0						
8	S.B. 8	9.636	506	380	5.50 +1.0 0*1.5 0	4.87	1850.6	41.2 1	76263.2 3	636	Arvindra Singh
9	S.B. 9	7.017	513 to 528	200	5.50 +1.0 0*1.5 0	4.87	974	41.2 1	40138.5 4	334	Chhota, Duviya, Somavati, Draggpal, Ratiram, Indresh Kumar
10	S.B. 10	9.027	529 to 531	320	5.50 +1.0 0*1.5 0	4.87	1558.4	41.2 1	64221.6 6	535	Chhatrpal, Harcharaan, Bhagat Singh
11	S.B. 11	9.636	538 to 545	380	5.50 +1.0 0*1.5 0	4.87	1850.6	41.2 1	76263.2 3	636	Rajkumari, Shobharani, Lalli, Halku, Ramsaiya
12	S.B. 12	7.522	535, 536	260	5.50 +1.0 0*1.5 0	4.87	1266.2	41.2 1	52180.1	435	Kadora, Lakshman
	<b>Total</b>			<b>3360</b>	<b>0</b>	<b>58.44</b>	<b>16363.2</b>		<b>674327. 5</b>	5619	
1	C.D. 1	19.58	762	160	12.50	18.13	2900	47.9	139055	1159	Rampal Singh, Man

					+2.0 0*2.5			5			Singh
2	C.D. 2	19.58	754	160	12.50 +2.0 0*2.5	18.13	2900	47.9 5	139055	1159	Natthu
3	C.D. 3	21.532	732	180	12.50 +2.0 0*2.5	18.13	3262.5	47.9 5	156436. 9	1304	Moti Lal, Ratan Lal
4	C.D. 4	19.58	805 to 808	160	12.50 +2.0 0*2.5	18.13	2900	47.9 5	139055	1159	Brajlal, Shailendra, Ramadhar
5	C.D. 5	18.544	774,775	120	12.50 +2.0 0*2.5	18.13	2175	47.9 5	104291. 3	869	Rajbahadur, Rituraj Singh
6	C.D. 6	18.544	477, 478	120	12.50 +2.0 0*2.5	18.13	2175	47.9 5	104291. 3	869	Deendayal, Prabhu Dayal
7	C.D. 7	18.544	550, 555	180	12.50 +2.0 0*2.5	18.13	3262.5	47.9 5	156436. 9	1304	Tarnuma Khatur, Suraj Singh, Dhaniram
8	C.D. 8	18.544	557	180	12.50 +2.0 0*2.5	18.13	3262.5	47.9 5	156436. 9	1304	Pramod Kumar

9	C.D. 9	19.58	561, 562	160	12.50 +2.0 0*2.5	18.13	2900	47.9 5	139055	1159	Pramod Kumar, Smt.Yashoda
10	C.D. 10	23.027	840, 844	200	12.50 +2.0 0*2.5	18.13	3625	47.9 5	173818. 8	1448	Akaram husain, Ramnaresh, Upendra Kumar
	<b>Pacca Work</b>								300000	2500	
	<b>Total</b>			<b>1620</b>	<b>0</b>	<b>181.25</b>	<b>29362.5</b>		<b>1707932</b>	14233	
1	W.H.B. 1	24.872	745, 774	200	15.00 +2.5 0*3.0	26.25	5250	51.0 7	268117. 5	2234	Natthu, Akram, Ramnaresh, Ramadhar
2	W.H.B. 2	19.011	705, 506, 733, 735	180	15.00 +2.5 0*3.0	26.25	4725	51.0 7	241305. 8	2011	Siddhgopal, Hardayal, Ramkumar, Arvindra
3	W.H.B. 3	28.236	880, 811	260	15.00 +2.5 0*3.0	26.25	6825	51.0 7	348552. 8	2905	Jayhind
4	W.H.B. 4	24.872	812, 813	200	15.00 +2.5 0*3.0	26.25	5250	51.0 7	268117. 5	2234	Veer Singh, Chhota, Duviya
5	W.H.B. 5	24.872	816, 822	200	15.00	26.25	5250	51.0	268117.	2234	Indresh Kumar, Chhota

					+2.5 0*3.0			7	5		
6	W.H.B. 6	24.872	829, 830, 831	200	15.00 +2.5 0*3.0	26.25	5250	51.0 7	268117. 5	2234	Vishvanath, Pran Singh, Khemchandraa
	<b>Pacca Work</b>								650000	5417	
	<b>Total</b>			<b>1240</b>			<b>32550</b>		<b>2312329</b>	19269	
<b>Guda -1 (2C2A3p2d)</b>											
1	R.C.D 1	Old work		100	7.00 +1.0 0*2.0 0	8.00	800				Partap, Narayan Pratap
		18.717	514, 660, 602, 1540	135	14.00 +2.0 0*3.0 0	24.00	3240				
						3240-800	2440	51.0 7	124610. 8	1038	
	<b>Pacca Work</b>								100000	833	
2	R.C.D 2	16.504	1562, 1560,	80	14.00 +2.0	24	1920	51.0 7	98054.4	817	

			1559		0*3.0 0						
									100000	833	
3	R.C.D 3	Old work		60	7.00 +1.0 0*2.0 0	8.00	480				
		16.504	805, 1470, 1501, 1502	100	14.00 +2.0 0*3.0 0	24.00	2400				
						2400-480	1920	51.0 7	98054.4	817	
	<b>Pacca Work</b>								100000	833	
4	R.C.D 4	Old work		60	7.00 +1.0 0*2.0 0	8.00	480				
		16.504	805, 1470, 1501, 1502	100	14.00 +2.0 0*3.0 0	24.00	2400				
						2400-480	1920	51.0 7	98054.4	817	
	<b>Pacca Work</b>								100000	833	

	<b>Total</b>			<b>415</b>			<b>8200</b>		<b>818774</b>	6823	
1	C.D 1	Old work		50	5.30 +0.8 0*1.5 0	4.57	228.5				Mahipat
		6.755	801,767	160	8.50 +1.5 0*2.0 0	10.00	1600				
						1600-228.5	1371.5	44.3 3	60798.6	507	
2	C.D 2	Old work		30	5.30 +0.8 0*1.5 0	4.57	137.1				
		6.75	645,31	150	8.50 +1.5 0*2.0 0	10.00	1500				
						1500-137.1	1362.9	44.3 3	60417.3 6	503	
3	C.D 3	3.447	1055, 1469	70	8.50 +1.5 0*2.0 0	10.00	700	44.3 3	31031	259	Kuvar Lal etc.

4	C.D 4	Old work		20	5.30 +0.8 0*1.5 0	4.57	91.4				
		2.997	3212, 3211	70	8.50 +1.5 0*2.0 0	10.00	700				
						700-91.5	608.6	44.3 3	26979.2 4	225	
5	C.D 5	Old work		30	5.30 +0.8 0*1.5 0	4.57	137.1				Jay Singh
		3.757	329, 1411	90	8.50 +1.5 0*2.0 0	10.00	900				
						900-137.1	762.9	44.3 3	33819.3 6	282	
											Ram Singh
6	C.D 6	4.925	1238, 1237, 1216, 1228	100	8.50 +1.5 0*2.0 0	10.00	1000	44.3 3	44330	369	

	<b>Pacca Work</b>								100000	833	
7	C.D 7	20.469	261, 1048, 1221, 1223	190	8.50 +1.5 0*2.0 0	10.00	1900	44.3 3	84227	702	Chandrabhan
	<b>Pacca Work</b>								100000	833	
	<b>Total</b>			<b>830</b>	<b>#VALUE!</b>	<b>70</b>	<b>7705.9</b>		<b>541602.5</b>	4513	
1	S.B. 1	13.752	1138, 603	200	6.50 +0.8 0*1.6 0	5.84	1168	41.2 1	48133.2 8	401	Harishankar, Chetram
2	S.B. 2	13.752	1162, 63, 64	200	6.50 +0.8 0*1.6 0	5.84	1168	41.2 1	48133.2 8	401	
3	S.B. 3	13.752	8/1175, 1148	200	6.50 +0.8 0*1.6 0	5.84	1168	41.2 1	48133.2 8	401	Smt.Asharani
4	S.B. 4	13.752	1143,	200	6.50	5.84	1168	41.2	48133.2	401	

			1142, 1144		+0.8 0*1.6 0			1	8		
5	S.B. 5	13.752	830/1149 , 1147	200	6.50 +0.8 0*1.6 0	5.84	1168	41.2 1	48133.2 8	401	
6	S.B. 6	20.628	512/3519 , 3520	300	6.50 +0.8 0*1.6 0	5.84	1752	41.2 1	72199.9 2	602	
7	S.B. 7	13.752	1227/123 8, 1236	200	6.50 +0.8 0*1.6 0	5.84	1168	41.2 1	48133.2 8	401	Ram Singh
8	S.B. 8	13.752	1260, 1255, 1254	200	6.50 +0.8 0*1.6 0	5.84	1168	41.2 1	48133.2 8	401	Ram Singh etc
9	S.B. 9	19.471	864, 1402	225	6.50 +0.8 0*1.6 0	5.84	1314	41.2 1	54149.9 4	451	Iru, Jagdev Prasad
	<b>Total</b>			<b>1925</b>	<b>0</b>	<b>52.56</b>	<b>11242</b>		<b>463282. 8</b>	3861	

<b>Guda -2 (2C2A3p2e)</b>											
1	S.B. 1	20.628	1533, 1554, 1555	300	6.50 +0.8 0*1.6 0	5.84	1752	41.2 1	72199.9 2	602	Natthuram, Devdeen
2	S.B. 2	6950	650, 649, 652	200	6.50 +0.8 0*1.6 0	5.84	1168	41.2 1	48133.2 8	401	Dayaram, Mahendra Singh
3	S.B. 3	13.752	618, 619	200	6.50 +0.8 0*1.6 0	5.84	1168	41.2 1	48133.2 8	401	Magna, Shivprasad
4	S.B. 4	13.752	1548, 1549, 1550	200	6.50 +0.8 0*1.6 0	5.84	1168	41.2 1	48133.2 8	401	Dassi, Natthuram
5	S.B. 5	13.752	1664, 1665	200	6.50 +0.8 0*1.6 0	5.84	1168	41.2 1	48133.2 8	401	Jageshvar, Duriya
6	S.B. 6	20.628	660, 661, 662, 663	300	6.50 +0.8	5.84	1752	41.2 1	72199.9 2	602	Shivprasad, Shyambihari, Laldiman, Churaman

					0*1.6 0						
7	S.B. 7	13.752	635, 636	200	6.50 +0.8 0*1.6 0	5.84	1168	41.2 1	48133.2 8	401	Chhavilal, Chhotelal
8	S.B. 8	13.752	670, 672, 673	200	6.50 +0.8 0*1.6 0	5.84	1168	41.2 1	48133.2 8	401	Hasmat, Rustam, Hajmat
9	S.B. 9	13.752	649, 630, 631	200	6.50 +0.8 0*1.6 0	5.84	1168	41.2 1	48133.2 8	401	Babloo
10	S.B. 10	20.628	696, 695, 697	300	6.50 +0.8 0*1.6 0	5.84	1752	41.2 1	72199.9 2	602	Chhavilal etc.
11	S.B. 11	8.251	717, 718, 719	120	6.50 +0.8 0*1.6 0	5.84	700.8	41.2 1	28879.9 7	241	Rammishr, Parmlal
12	S.B. 12	9.626	611, 612	140	6.50 +0.8 0*1.6	5.84	817.6	41.2 1	33693.3	281	Foolvati

					0						
	<b>Total</b>			<b>2560</b>	<b>0</b>	<b>70.08</b>	<b>14950.4</b>		<b>616106</b>	5134	
1	R.C.D 1	Old work		60	7.00 +1.0 0*2.0 0	8.00	480				Ashok, Ghasita, Patti etc.
		18.587	1566, 1565, 1576	100	14.00 +2.0 0*3.0 0	24.00	2400				
						2400-480	1920	51.0 7	98054.4	817	
	<b>Pacca Work</b>								125000	1042	
2	R.C.D 2	Old work		60	7.00 +1.0 0*2.0 0	8.00	480				Hansraj, Babulal, Jivan Lal, Babloo etc.
		8.171	1428, 1429, 1431 to 1439	100	14.00 +2.0 0*3.0 0	24.00	2400				
						2400-480	1920	51.0 7	98054.4	817	

3	R.C.D 3	Old work		60	7.00 +1.0 0*2.0 0	8.00	480				Jivan Lal
		8.171	711, 704, 705, 709, 710, 712	100	14.00 +2.0 0*3.0 0	24.00	2400				
						2400-480	1920	51.0 7	98054.4	817	
4	R.C.D 4	22.122	3760, 3759	135	14.00 +2.0 0*3.0 0	24	3240	51.0 7	165466. 8	1379	Ishvar etc.
									100000	833	
5	R.C.D 5	Old work		60	7.00 +1.0 0*2.0 0	8.00	480				
		18.587	3762, 3761, 3766, 3770, 3772	100	14.00 +2.0 0*3.0 0	24.00	2400				
						2400-480	1920	51.0 7	98054.4	817	
	<b>Pacca Work</b>								125000	1042	

	<b>Total</b>			<b>535</b>			<b>10920</b>		<b>907684.4</b>	7564	
1	C.D 1	Old work		30	5.30 +0.8 0*1.5 0	4.57	137.1				Sudhir Singh, Kalicharan, Gunda
		11.984	1618, 1612, 1615	80	8.50 +1.5 0*2.0 0	10.00	800				
						800-137.1	662.9	44.3 3	29386.3 6	245	
	Pucca Work								75000	625	
2	C.D 2	Old work		30	5.30 +0.8 0*1.5 0	4.57	137.1				Pyari Hulain etc
		12.091	1673, 1672, 1677, 1676, 1670	90	8.50 +1.5 0*2.0 0	10.00	900				
						900-137.1	762.9	44.3 3	33819.3 6	282	
	Pucca Work								75000	625	

3	C.D 3	4.433	1668, 1667	90	8.50 +1.5 0*2.0 0	10.00	900	44.3 3	39897	332	Mohan Lal,Rajeash
4	C.D 4	12.766	1649, 1648, 1647, 1650	90	8.50 +1.5 0*2.0 0	10.00	900	44.3 3	39897	332	Gadu, Dassi, Patiya, Parshuram
	Pucca Work								75000	625	
5	C.D 5	Old work		30	5.30 +0.8 0*1.5 0	4.57	137.1				Vishvanath, Kallu etc.
		12.091	1600, 1598, 1597, 1595	90	8.50 +1.5 0*2.0 0	10.00	900				
						900-137.1	762.9	44.3 3	33819.3 6	282	
	Pucca Work								75000	625	
6	C.D 5	Old work		30	5.30 +0.8 0*1.5	4.57	137.1				Sushila, Dharmdas, Narayan

					0						
		3.757	1639, 1638, 1637, 1640	90	8.50 +1.5 0*2.0 0	10.00	900				
						900-137.1	762.9	44.3 3	33819.3 6	282	
7	C.D 7	4.433	690, 620	80	8.50 +1.5 0*2.0 0	10.00	800	44.3 3	35464	296	Rustam
8	C.D 8	3.94	693	80	8.50 +1.5 0*2.0 0	10.00	800	44.3 3	35464	296	
9	C.D 9	3.94	809	80	8.50 +1.5 0*2.0 0	10.00	800	44.3 3	35464	296	Kishana etc.
10	C.D 10	12.259	3412, 3413, 3414	100	8.50 +1.5 0*2.0 0	10.00	1000	44.3 3	44330	369	Mohan Lal

	Pucca Work								75000	625	
11	C.D 11	12.24	3847, 3844, 3845	80	8.50 +1.5 0*2.0 0	10.00	800	44.3 3	35464	296	
	Pucca Work								75000	625	
	<b>Total</b>			<b>950</b>	<b>#VA LUE !</b>	<b>110</b>	<b>8951.6</b>		<b>846824. 4</b>	<b>7057</b>	
<b>Ghutbai (2C2A3n2e)</b>											
1	S.B. 1	22.596	673 to 695	360	5.30 +0.8 0*1.5 0	4.57	1645.2	41.2 1	67798.6 9	565	Bhagavan Singh, Ram Kumar
2	S.B. 2	18.83	702, 704	300	5.30 +0.8 0*1.5 0	4.57	1371	41.2 1	56498.9 1	471	Balkishuan, Haridas etc.
3	S.B. 3	25.11	412 to 425	400	5.30 +0.8 0*1.5	4.57	1828	41.2 1	75331.8 8	628	Baiya Lal, Mahendra Singh

					0						
4	S.B. 4	25.11	478 to 482	400	5.30 +0.8 0*1.5 0	4.57	1828	41.2 1	75331.8 8	628	Chintaram
5	S.B. 5	22.596	428, 429, 469	360	5.30 +0.8 0*1.5 0	4.57	1645.2	41.2 1	67798.6 9	565	Kamta Prasad, Rambhrose, Miss Keshri
6	S.B. 6	18.83	497 to 511	300	5.30 +0.8 0*1.5 0	4.57	1371	41.2 1	56498.9 1	471	Sundar, Svami Deen
7	S.B. 7	22.596	526, 527	360	5.30 +0.8 0*1.5 0	4.57	1645.2	41.2 1	67798.6 9	565	Bhagvan Deen, Rameshvar
8	S.B. 8	18.83	539 to 543	300	5.30 +0.8 0*1.5 0	4.57	1371	41.2 1	56498.9 1	471	
	<b>Total</b>			<b>2780</b>	<b>0</b>	<b>36.56</b>	<b>12704.6</b>		<b>523556. 6</b>	4363	
1	M.B. 1	27.445	40, 41,	360	6.40	5.55	1998	41.2	82337.5	686	Parvin Nafri, Hamid

			42, 45, 47		+1.0 0*1.5 0			1	8		Husai, Badshah
2	M.B. 2	27.455	80 to 97	360	6.40 +1.0 0*1.5 0	5.55	1998	41.2 1	82337.5 8	686	
3	M.B. 3	35.066	677 to 687	460	6.40 +1.0 0*1.5 0	5.55	2553	41.2 1	105209. 1	877	Smt.Mannu, Ramgopal
4	M.B. 4	22.871	692 to 696	300	6.40 +1.0 0*1.5 0	5.55	1665	41.2 1	68614.6 5	572	Ramkumar
5	M.B. 5	15.247	711 to 718	200	6.40 +1.0 0*1.5 0	5.55	1110	41.2 1	45743.1	381	Kalicharan
6	M.B. 6	22.871	722 to 733	300	6.40 +1.0 0*1.5 0	5.55	1665	41.2 1	68614.6 5	572	Smt.Shila Devi, Bhumani Deen
7	M.B. 7	27.445	742 to 749	360	6.40 +1.0	5.55	1998	41.2 1	82337.5 8	686	Murlidhar, Abdul Karim

					0*1.5 0						
8	M.B. 8	19.82	756 to 767	260	6.40 +1.0 0*1.5 0	5.55	1443	41.2 1	59466.0 3	496	Sunil Kumar, Nirpat
9	M.B. 9	19.82	780 to 785	260	6.40 +1.0 0*1.5 0	5.55	1443	41.2 1	59466.0 3	496	Summer, Drajvijay Singh
	<b>Total</b>			<b>2860</b>	<b>0</b>	<b>49.95</b>	<b>15873</b>		<b>654126. 3</b>	5451	
1	C.D 1	11.821	26	200	10.00 +2.0 0*2.0 0	12.00	2400	44.3 3	106392	887	
2	C.D 2	11.821	129 to 141	200	10.00 +2.0 0*2.0 0	12.00	2400	44.3 3	106392	887	Natthuram, Lal Khana
3	C.D 3	11.821	228 to 234	200	10.00 +2.0 0*2.0 0	12.00	2400	44.3 3	106392	887	Brajgopal

	Pucca Work								210000	1750	
	<b>Total</b>			<b>600</b>	<b>0</b>	<b>36</b>	<b>7200</b>		<b>529176</b>	4410	
1	W.H.B1	28.599	98 to 102	280	14.00 +2.0 0*3.0 0	24.00	6720	51.0 7	343190. 4	2860	Hanif Ulla Khan
2	W.H.B2	28.599	163 to 166	280	10.00 +2.0 0*2.0 0	24.00	6720	57.0 7	383510. 4	3196	Chandrika Prasad, Dharm Singh
3	W.H.B3	30.641	279 to 284	300	10.00 +2.0 0*2.0 0	24.00	7200	51.0 7	367704	3064	Diviya, Abdula Latif
4	W.H.B4	30.641	370 to 385	300	10.00 +2.0 0*2.0 0	24.00	7200	51.0 7	367704	3064	Ramkrashan
	Pucca Work								480000	4000	
	<b>Total</b>			<b>1160</b>	<b>0</b>	<b>96</b>	<b>27840</b>		<b>1942109</b>	16184	
<b>Rampura Kadim (2C2A3w1b)</b>											

1	M.B 1	6.727	625, 626, 624	150	5.25 +0.6 0*1.3 0	3.80	571.32	41.2 1	23544.1	196	Kamtu, Bhagavan Deen
2	M.B 2	13.464	627, 628, 616 to 623	300	5.30 +0.6 0*1.3 0	3.81	1143.54	41.2 1	47125.2 8	393	Kamtu, Gokul Prasad, Mulchandra
3	M.B 3	14.545	356, 350, 367, 341, 348, 389, 351 to 357	250	5.56 +0.8 0*1.5 0	4.77	1192.84	41.2 1	49156.9 4	410	Ramshevak
<b>Total</b>				<b>700</b>	<b>0</b>	<b>12.38</b>	<b>2907.7</b>		<b>119826. 3</b>	999	
1	W.H.B 1	12.76	59, 60 31 to 43, 46, 47, 48, 49, 50	225	8.25 +1.0 0*2.3 0	10.64	2395	47.9 5	114840. 3	957	Hamid Husain, Badshah, Asarf Khan, Hajrat Husain
2	W.H.B 2	22.615	649 to 652, 629 to 645	350	8.70 +1.5 0*2.5 0	12.72	4452.76				

	Old work			200	4.50 +0.5 0*1.0 0	2.5	500				
						4452.76- 500	3953	47.9 5	189534. 8	1579	
3	W.H.B 3	9.703	541, 542, 465 to 477	172	8.25 +1.0 0*2.3 0	10.64	1821.2	47.9 5	87326.5 4	728	Smt.Munnga Devi, Chhiddi
4	W.H.B 4	10.54	365, 364 369 to 377, 475 to 487	180	8.55 +1.0 0*2.3 0	11.00	1978.37	47.9 5	94862.8 4	791	
	<b>Total</b>			<b>927</b>	<b>#VA LUE !</b>	<b>45</b>	<b>10147.3 3</b>		<b>486564. 5</b>	4055	
	<b>Jarouli (2C2A3p2b)</b>										
1	S.B. 1	9.4	1210, 1213	140	6.80 +0.8 0*1.5 0	5.70	798	41.2 1	32885.5 8	274	Archna Divedi, Jayram, Rakesh etc.
2	S.B. 2	13.4	1041 to	200	6.80	5.70	1140	41.2	46979.4	391	Ramdevi, Ajit Pratap

			1044		+0.8 0*1.5 0			1			Singh
3	S.B. 3	16.8	1052, 1055	250	6.80 +0.8 0*1.5 0	5.70	1425	41.2 1	58724.2 5	489	Devidayal etc.
4	S.B. 4	18.8	1062 to 1065	280	6.80 +0.8 0*1.5 0	5.70	1596	41.2 1	65771.1 6	548	Gendarani, Bhillla, Nasva Singh etc.
5	S.B. 5	13.4	1034 to 1037	200	6.80 +0.8 0*1.5 0	5.70	1140	41.2 1	46979.4	391	Shripat, Maheshvari Deen
6	S.B. 6	12.1	1071 to 1073	180	6.80 +0.8 0*1.5 0	5.70	1026	41.2 1	42281.4 6	352	Kishor Singh, Surajpal etc.
	<b>Total</b>			<b>1250</b>	<b>0</b>	<b>34.2</b>	<b>7125</b>		<b>293621. 3</b>	2447	
1	P.B. 1	11.75	35, 36	200	6.40 +1.0 0*1.5 0	5.70	1140	41.2 1	46979.4	391	Jagmohan, Siyarani

2	P.B. 2	11.75	380, 388 to 391	200	6.40 +1.0 0*1.5 0	5.70	1140	41.2 1	46979.4	391	Mohanlal, Malkhan, Prabhu
3	P.B. 3	11.75	380, 391	200	6.40 +1.0 0*1.5 0	5.70	1140	41.2 1	46979.4	391	Ghasiram, Prabhu
4	P.B. 4	10.5	43, 44	180	6.40 +1.0 0*1.5 0	5.70	1026	41.2 1	42281.4 6	352	Mahedev, Deshraj
5	P.B. 5	8.8	402, 403	150	6.40 +1.0 0*1.5 0	5.70	855	41.2 1	35234.5 5	294	
6	P.B. 6	9.98	47, 92	170	6.40 +1.0 0*1.5 0	5.70	969	41.2 1	39932.4 9	333	Mahir Dhavaj Singh
7	P.B. 7	16.45	93 to 96	280	6.40 +1.0 0*1.5 0	5.70	1596	41.2 1	65771.1 6	548	Tutinya, Harcharan, Jageshvar

8	P.B. 8	17.67	1127 to 1130	300	6.40 +1.0 0*1.5 0	5.70	1710	41.2 1	70469.1	587	Kishor Singh, Surajpal etc.
	<b>Total</b>			<b>2860</b>	<b>2860</b>	<b>2860</b>	<b>2860</b>		<b>394627</b>	3289	
1	C.D 1	7.5	386, 380	80	9.90 +2.5 0*2.1 0	11.97	957.6	47.9 5	45916.9 2	383	Punna, Prabhu
2	C.D 2	7.5	380	80	9.90 +2.5 0*2.1 0	11.97	957.6	47.9 5	45916.9 2	383	Prabhu
3	C.D 3	18.3	345, 380	90	9.90 +2.5 0*2.1 0	11.97	1077.3	47.9 5	51656.5 4	430	Bhaiya deen, Punna, Balli
4	C.D 4	21.5	394 to 396	100	9.90 +2.5 0*2.1 0	11.97	1197				
	Ext						310				
	Net						887	47.9 5	42531.6 5	354	Vinda, Pancham, Brahmdeen
5	C.D 5	22.3	380	110	9.90	11.97	1316.7				

					+2.5 0*2.1 0						
							350				
							966.7	47.9 5	46353.2 7	386	Amarchandra
6	C.D 6	8.5	405, 380	100	9.90 +2.5 0*2.1 0	11.97	1197	47.9 5	57396.1 5	478	Kamta, Rammurti
7	C.D 7	16.75	408, 380	70	9.90 +2.5 0*2.1 0	11.97	837.9	47.9 5	40177.3 1	335	Ramsvarup, Matadeen
8	C.D 8	22.95	309, 380	90	9.90 +2.5 0*2.1 0	11.97	1077.3	47.9 5	51656.5 4	430	Prabhu, Pancham
9	C.D 9	7.8	407 to 409, 417	90	9.90 +2.5 0*2.1 0	11.97	1077.3	47.9 5	51656.5 4	430	Vishvaanath, Jagmohan, Lakhan Singh
10	C.D 10	6	406, 405, 407	70	9.90 +2.5 0*2.1	11.97	837.9	47.9 5	40177.3 1	335	Vishvanath, Rammurti, Vishvanath

					0						
11	C.D 11	15.8	420 to 422	80	9.90 +2.5 0*2.1 0	11.97	957.6				Pancham
							260				
							697.6	47.9 5	33449.9 2	279	
12	C.D 12	6.3	1101, 1102, 250	60	9.90 +2.5 0*2.1 0	11.97	718.2	47.9 5	34437.6 9	287	Vinda, Pancham, Brahmdeen
13	C.D 13	12.3	940, 941	130	9.90 +2.5 0*2.1 0	11.97	1556.1	47.9 5	74615	622	Vishvaanath, Jagmohan, Lakhan Singh
	<b>Total</b>	<b>173.5</b>		<b>1150</b>	<b>0</b>	<b>155.61</b>	<b>12845.5</b>		<b>615941. 7</b>	5133	
1	R.C.D 1	7.5	386, 380	100	12.40 +2.0 0*2.6 0	18.72	1872	49.3 6	92402	770	Rakesh Kumar, Prabhu
2	R.C.D 2	7.5	380	200	13.20	21.28	4256				

					+2.0 0*2.8 0						
	Ext						630				
	Net					1872-630	3626	51.0 7	185180	1543	Mangal
3	R.C.D 3	18.3	345, 380	200	13.20 +2.0 0*2.8 0	21.28	4256				
	Ext						517				
	Net					4256-517	3739	51.0 7	190951	1591	Bhagavan Das, Punna
4	R.C.D 4	21.5	394 to 396	170	13.20 +2.0 0*2.8 0	21.28	3617.6				
	Ext						850				
	Net					3617.6-850	2767.6	51.0 7	141341	1178	Vinda, Pancham
5	R.C.D 5	22.3	380	160	13.20 +2.0 0*2.8 0	21.28	3404.8	51.0 7	173883	1449	Sunil Kumar

6	R.C.D 6	8.5	405,380	100	13.20 +2.0 0*2.8 0	21.28	2128	51.0 7	108677	906	Sukh Singh, Vishvanath
7	R.C.D 7	16.75	408,380	80	13.20 +2.0 0*2.8 0	21.28	1702.4	51.0 7	86942	725	Balli, Kailash
<b>Total</b>				<b>1010</b>	<b>0</b>	<b>146.4</b>	<b>19239.8</b>		<b>979375.5</b>	8161	
<b>Anghoura (2C2A3p2c)</b>											
1	P.B. 1	14.7	624 to 626	220	6.80 +0.8 0*1.5 0	5.70	1254	41.2 1	51677.3 4	431	Tikku, Kamta Singh, Viveni
2	P.B. 2	23.5	430 to 436	350	6.80 +0.8 0*1.5 0	5.70	1995	41.2 1	82213.9 5	685	Sabal Singh, Gaya Prasad
3	P.B. 3	23.5	479 to 485	350	6.80 +0.8 0*1.5	5.70	1995	41.2 1	82213.9 5	685	Satendra Singh, Hukum Singh, Prahalad etc.

					0						
4	P.B. 4	12	370, 365, 361, 362, 363	180	6.80 +0.8 0*1.5 0	5.70	1026	41.2 1	42281.4 6	352	Guman Singh, Senapat Singh, Sabai Singh etc.
5	P.B. 5	16.8	432, 423	250	6.80 +0.8 0*1.5 0	5.70	1425	41.2 1	58724.2 5	489	Sanjay Singh etc.
	<b>Total</b>			<b>1350</b>			<b>7695</b>		<b>317111</b>	2643	
1	C.D 1	7.1	1004, 1003, 945	80	9.90 +1.5 0*2.1 0	11.97	957.6	47.9 5	45916.9 2	383	Gangajali, Chhedilal etc.
2	C.D 2	15.3	578 to 580, 422	100	9.90 +1.5 0*2.1 0	11.97	1197				
	Ext						250				
	Net					1197-250	947	47.9 5	45408.6 5	378	Rajbahadur, Fool Singh, Maiku etc.
3	C.D 3	13.5	841, 479, 911	100	9.90 +1.5 0*2.1	11.97	1197				

					0						
	Ext						400.7				
	Net					1197-400.7	796.3	47.9 5	38182.5 9	318	Fool Singh, Jangbahadur etc.
4	C.D 4	9	617, 618, 616	100	9.90 +1.5 0*2.1 0	11.97	1197	47.9 5	57396.1 5	478	Ramkrapal, Shivbalak
5	C.D 5	8.5	589 to 591	90	9.90 +1.5 0*2.1 0	11.97	1077.3	47.9 5	51656.5 4	430	Tillu, Ramkrapal, Dayaram, Mr. Prakash
6	C.D 6	7.5	438, 442 to 444	70	9.90 +1.5 0*2.1 0	11.97	837.9	47.9 5	40177.3 1	335	Indal Singh, Senapat Singh, Pacha
7	C.D 7	21.4	440, 377, 435	80	11.90 +1.5 0*2.6 0	17.42	1393.6	47.9 5	66823.1 2	557	Miayadeen etc.
8	C.D 8	21.3	392, 383, 381	80	11.90 +1.5 0*2.6 0	17.42	1393.6	47.9 5	66823.1 2	557	Kallu, Chhote, Rambahori

9	C.D 9	8	371, 369, 368	85	9.90 +2.5 0*2.1 0	11.97	1017.45	47.9 5	48786.7 3	407	Prahalad, Mahadev Prasad
10	C.D 10	8	371, 369	70	11.90 +1.5 0*2.6 0	17.42	1219.4	47.9 5	58470.2 3	487	Ramkrapal etc.
11	C.D 11	20	344, 353, 356	50	11.90 +1.5 0*2.6 0	17.42	871				
	Ext						205				
	Net					871-205	666	47.9 5	31934.7	266	shankar Singh, Sunita etc.
12	C.D 12	5.1	345, 346, 349, 350	50	9.90 +2.5 0*2.1 0	11.97	598.5	47.9 5	28698.0 8	239	Ramshvarupetc.
	<b>Total</b>	<b>144.7</b>		<b>955</b>	<b>0</b>	<b>165.44</b>	<b>12101.6 5</b>		<b>580274. 1</b>	4836	
1	R.C.D 1	28	135, 527, 999	160	13.20 +2.0 0*2.8 0	21.28	3404.8				

	Ext						658.5				
	Net					3404-658.5	2746.3	51.0 7	140254	1169	Tillu, Ramkrapal, dayaram, Smt. Prakash Singh
2	R.C.D 2	30.5	1077, 486	180	13.20 +2.0 0*2.8 0	21.28	3830.4				
	Ext						710				
	Net					3830.4-710	3120.4	51.0 7	159359	1328	Indal Singh, Senapat Singh, Pancha
3	R.C.D 3	34	351, 566	200	13.20 +2.0 0*2.8 0	21.28	4256				
	Ext						812.5				
	Net					4256-812.5	3443.5	51.0 7	175860	1465	Maiyadeen, Bhaiyalal etc.
4	R.C.D 4	33.4	177, 800, 107, 1271	150	13.20 +2.0 0*2.8 0	21.28	3192	51.0 7	163015	1358	Kallu, Chhote, Rambahori etc.

5	R.C.D 5	25.6	889, 779, 498	140	13.20 +2.0 0*2.8 0	21.28	2979.2				
	Ext						627				
	Net					2979.2-627	2352.2	51.0 7	120127	1001	Nanhu, Mullu
6	R.C.D 6	23.3	322, 386, 387, 393	100	13.20 +2.0 0*2.8 0	21.28	2128	51.0 7	108677	906	Smt.Sudha, Smt. Madhu
	<b>Total</b>			<b>930</b>	<b>0</b>	<b>127.68</b>	<b>16982.4</b>		<b>867291.</b> <b>2</b>	7227	
	<b>Luhari (2C2A3w1a)</b>										
1	P.B. 1	3.73	925, 926	170	5.40 +0.6 0*1.2 0	3.60	608.2	41.2 1	25065	209	Pramod Kumar, Yogayraj Singh, Lakshman, Tulsi etc.
2	P.B. 2	8.358	928 to 931, 922, 925	378	5.40 +0.6 0*1.2 0	3.60	1361.6	41.2 1	56112	468	Chandrabhan, Rajaram, Pramod kumar

3	P.B. 3	19.5	715 to 726, 790 to 795	463	5.40 +0.6 0*1.2 0	3.60	1665.9	41.2 1	68650	572	Bhan Singh, Smt.Urbi, Kashi Prasad Shripat
4	P.B. 4	12.35	652 to 657	290	5.40 +0.6 0*1.2 0	3.60	1048.9	41.2 1	43225	360	Kallu, Chhote, Rambahori etc.
5	P.B. 5	10.2	617 to 623	240	5.40 +0.6 0*1.2 0	3.60	866.4	41.2 1	35700	298	Mahesh etc.
<b>Total</b>				<b>1541</b>			<b>5550.98</b>		<b>228752</b>	1906	
1	C.D 1	8.5	885, 997, 998, 999	88	9.80 +1.0 0*2.5 0	13.50	1191.24	47.9 5	57120	476	Pramod Kumar, Yogayraj Singh, Lakshman, Tulsi etc.
2	C.D 2	6.14	990, 991, 992, 993	64	9.80 +1.0 0*2.5 0	13.50	860.47	47.9 5	41260	344	Tulsarani, Thakur Das, Paramlal, Parmeshvari
3	C.D 3	11.26	828, 832, 833	109	11.00 +1.1 0*2.4	14.50	1578.04	47.9 5	75667	631	Goarishankar, Baijnath, Shyamlal

					0						
4	C.D 4	7.64	932, 933, 971 to 974	77	9.80 +1.0 0*2.5 0	13.50	1040.11	49.3 6	51340	428	Nandkishor, Tulsarani,
5	C.D 5	16.5	756 to 775	136	11.70 +1.0 0*2.6 0	16.50	2246.35	49.3 6	110880	924	Bhan Singh, kadoara
6	C.D 6	20.5	390 to 403, 442 to 455	164	11.30 +1.2 0*2.8 0	16.50	2697.47	49.3 6	137760	1148	Shripat, Devi deen, Chetaram
7	C.D 7	8.37	600 to 609	85	9.40* 1.00* 2.60	13.50	1139.5	49.3 6	56246	469	Chandrabhan, Rajaram, Pramod kumar
8	C.D 8	7.48	611 to 615	75	9.40* 1.00* 2.60	13.50	1018.33	49.3 6	50265	419	Ramshvarup, Mahesh etc.
9	C.D 9	10.5	584 to 588, 570, 571	106	9.40* 1.00* 2.60	13.50	1429.49	49.3 6	70560	588	Khamchandra, Ramshvarup
	<b>Total</b>	<b>96.89</b>		<b>904</b>	<b>0</b>	<b>128.5</b>	<b>13201</b>		<b>651098</b>	5426	

1	W.H.B. 1	20.5	843 to 849	136	10.10 +1.0 0*2.8 0	15.50	2104.95	51.0 7	107500	896	Kishun, Kishori
	Pucca Work								100000	833	
2	W.H.B. 2	14.5	809, 811, 817, 812	114	10.10 +1.0 0*2.8 0	15.50	1770.51	51.0 7	90419	753	Hardayal etc.
3	W.H.B. 3	23	548 to 559, 562 to 569	152	10.10 +1.0 0*2.8 0	15.50	2349.7	51.0 7	120000	1000	Siddhgopal etc.
	Pucca Work								100000	833	
	<b>Total</b>			<b>402</b>	<b>0</b>	<b>46.5</b>	<b>6225.16</b>		<b>517919</b>	4316	
<b>Asthoun(2C2A3p2f )</b>											
1	S.B. 1	5.2	440, 442, 447, 454,	175	5.40 +0.6 0*1.2	3.60	630.91	41.2 1	26000	217	Surendra Singh, Janki prasad, Ramgopal, Khemchandra etc.

					0						
			449, 450								
2	S.B. 2	8.5	481 to 487	287	5.40 +0.6 0*1.2 0	3.60	1031.3	41.2 1	42500	354	Jitendra, Kamta, Durga Prasad, Maniram etc.
3	S.B. 3	15.5	579, 582, 583, 584	384	5.73 +0.8 0*1.5 0	4.90	1880.6	41.2 1	77500	646	Shanti devi, Sundar etc.
			, 585, 575, 576,577,								
			756, 570, 571, 572								
4	S.B. 4	7.5	702, 703, 683 to 686	186	5.73 +0.8 0*1.5 0	4.90	910	41.2 1	37500	313	Birbal, Sundar, Shivanath, Gyasi Lal
5	S.B. 5	805	403, 404, 405, 406, 393	287	5.40 +0.6 0*1.2 0	3.60	1031.3	41.2 1	42500	354	Madhoa Prasad
6	S.B. 6	9.8	231, 233 to 237	264	6.0+ 0.70* 1.35	4.50	1189.03	41.2 1	49000	408	Chandrashekhar, Mahadev, Ganpat etc.

7	S.B. 7	6.4	438 to 443	173	6.0+ 0.70* 1.35	4.50	776.51	41.2 1	32000	267	Kamlesh, Gyandevi, Shivdayal, Hari
8	S.B. 8	10.6	191 to 201, 239 to 242	236	6.0+ 0.70* 1.35	4.50	1286.1	41.2 1	53000	442	Babloo etc.
	<b>Total</b>			<b>1992</b>	<b>0</b>	<b>34.1</b>	<b>8735.75</b>	<b>329. 7</b>	<b>360000</b>	3000	
9	CD1	22.18	690, 688, 691, 682, 683, 684 590, 591	65	9.50 +100 *2.80	14.78	960.56	51.0 7	49056	409	Dharmendra, Ramcharan, Prem, Ramshevak, Mangal Singh, Sunita etc
10	CD2	25.5	602 to 605, 680, 681, 580, 595, 599	150	12.90 +2.0 0*3.0 0	22.36	3355.4	51.0 7	171360	1428	Dharmendra, Ramcharan
11	CD3	23.5	295 to 297, 305, 287, 286	138	12.90 +2.0 0*3.0 2	22.36	3092.23	51.0 7	157920	1316	Gyanvati, Purshottam, Rukmani, Mohan
12	CD4	18.5	3023, 3168, 2367, 2366 to	140	12.30 +1.5 0*2.6 0	18.00	2518.6	49.3 6	124320	1036	Rakesh Kumar, Natthuram, Ajay

			2370								
	<b>Total</b>			<b>3445</b>	<b>0</b>	<b>128.7</b>	<b>22945.48</b>	<b>697.1</b>	<b>1039156</b>	8660	
13	WHB1	48.32	2570 to 2576, 2514, 2568, 2373	250	14.50 +2.0 0*3.0 0	24.75					Vassi, Raish, Chhaddi
			Existing	165	7.00 +1.4 0*1.3 0	5.45	270000				
14	WHB2	40.00	2328, 2331, 2332, 2309, 2400, 2411 to 2418	240	14.50 +2.0 0*3.0 0	24					
			Existing	170	6.50 +1.4 0*1.4 0	5.33	247840				Rahmat Nisha, Guman Singh, Matadeen etc.

**ANNEXURE-II**

**LIVELIHOOD ACTION PLAN**

**Annual Action Plan for Livelihood (Physical & Financial)**

Project - IWMP-XIX			PIA- Soil Conservation Unit, Charkhari						District- Mahoba			
S. No	Physical and financial targets	unit	First Year		Second Year		Third Year		Fourth Year		Total Project	
			2011-12		2012-13		2013-14		2014-15			
			Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial
	<b>Livelihood activities through SHG's</b>										0	0.00
	(1) Activity Goatary										0	0.00
	(a) No. of SHG's	No.	0	0.00	19	4.72	19	4.72	4	1.05	42	10.49
	(b) No. of members	No.	0	0.00	189	0.00	189	0.00	42	0.00	420	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(2) Activity- Back Yard Poultry		0	0.00							0	0.00
	(a) No. of SHG's	No.	0	0.00	18	4.39	18	4.39	4	0.98	39	9.75
	(b) No. of members	No.	0	0.00	176	0.00	176	0.00	39	0.00	390	0.00

	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(3) Activity- Poultry , Broiler		0	0.00							0	0.00
	(a) No. of SHG's	No.	0	0.00	15	3.68	15	3.68	3	0.82	33	8.18
	(b) No. of members	No.	0	0.00	149	0.00	149	0.00	33	0.00	330	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(4) Black Smithy										0	0.00
	(a) No. of SHG's	No.	0	0.00	10	2.59	10	2.59	2	0.58	23	5.75
	(b) No. of members	No.	0	0.00	104	0.00	104	0.00	23	0.00	230	0.00
	(c) Estimated income per year	Rs.	0	0.00		0.00	0	0.00	0	0.00	0	0.00
	(5) Rope making										0	0.00
	(a) No. of SHG's	No.	0	0.00	11	2.81	11	2.81	3	0.63	25	6.25
	(b) No. of members	No.	0	0.00	113	0.00	113	0.00	25	0.00	250	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(6) Tailoring										0	0.00

(a) No. of SHG's	No.	0	0.00	11	2.82	11	2.82	3	0.63	25	6.26
(b) No. of members	No.	0	0.00	113	0.00	113	0.00	25	0.00	250	0.00
(c) Estimated income per year	Rs.	0	0.00		0.00	0	0.00	0	0.00	0	0.00
(8) Vermi Composting										0	0.00
(a) No. of SHG's	No.	0	0.00	14	3.49	14	3.49	3	0.78	31	7.75
(b) No. of members	No.	0	0.00	140	0.00	140	0.00	31	0.00	310	0.00
(c) Estimated income per year	Rs.	0	0.00							0	0.00
(9) Food processing										0	0.00
(a) No. of SHG's	No.	0	0.00	15	3.74	15	3.74	3	0.83	33	8.31
(b) No. of members	No.	0	0.00	149	0.00	149	0.00	33	0.00	330	0.00
(c) Estimated income per year	Rs.	0	0.00							0	0.00
(13) Seed Bank										0	0.00
(a) No. of SHG's	No.	0	0.00	15	3.43	15	3.43	3	0.76	34	7.63
(b) No. of members	No.	0	0.00	153	0.00	153	0.00	34	0.00	340	0.00

(c) Estimated income per year	Rs.	0	0.00							0	0.00
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**Livelihood Option for Village Groups / Community**

**Input supplied to Interested Groups/ SHGs**

Sr. No.	Name of Activity *	Name of input	Quantity/	Rate	No of IG / SHGs	Total Amount (Rs)
1	Organic complex	Red worms ( <i>Eisina fetida</i> ) NADEP	2 q 10 Nos	25000 5000	4 (40 FF)	100000.00
2	Goat kids	Kids	40 Nos	1200	2 (20 FF)	48000.00
		Adult	02	2500		5000.00
3	Goat rearing	Female	10 Nos	3000	1 (10 FF)	30000.00
		Adult	01	3000		3000.00
4	Motor / Diesel repairing	Tool Kit	All tools	25000	1	25000.00
5	Masala Grinding	Pulvelizer	02	37000	2 (20 FF)	74000.00
6	Oil Expeller	Oil Expeller	01	84000	1 (10 FF)	84000.00
7	Poultry (Broiler)	Chicks	1000	25 per chicks	1 (10 FF)	25000.00
8	Wooden furniture	Instruments	01	61000	1 (10 FF)	61000.00
9	Mini Dal Mill	Machine	01	42000	1 (10 FF)	42000.00
10	Dairy	Buffaloes / Cows	10	25000	1 (10 FF)	250000.00
11	Back yard Poultry	Chicks	2000	18	2 (20 FF)	36000.00
12	Linseed rope making	Rope making machine	01	35000	1 (10 FF)	35000.00
13	Organic production	Registration	100 ha	6000	5	120000.00
14	Tailoring	Sieving Machine	5 in 01 SHG	25000	2	25000.00

Note: Maximum Seed Money will be Rs 25000/- for one SHG / Individual. Repayment limit up to 18 months.

**ANNEXURE-III**

**1. Annual Action Plan for Agriculture Production System & Micro Enterprises (Physical & Financial)**

Project - IWMP-XIX			PIA- Soil Conservation Unit, Charkhari						District- Mahoba			
S. No	Physical and financial targets	unit	First Year		Second Year		Third Year		Fourth Year		Total Project	
			2011-12		2012-13		2013-14		2014-15			
			Physic al	Financi al	Physic al	Financi al	Physic al	Financi al	Physic al	Financi al	Physic al	Financi al
	<b>Production system</b>										0	0.00
	(1) Agriculture										0	0.00
	(a) Crop demonstration										0	0.00
	(1) No. of dem.	No.	0	0.00	161	17.00	161	17.00	36	3.78	358	37.77
	(2) Area	Ha.			403		403		90		896	0.00
	(b) Seed Production		0								0	0.00
	(1) No. of dem.	No.	0	0.00	111	13.17	111	13.17	25	2.93	247	29.27
	(2) Area	Ha.	0		278		278		62		618	0.00
	(2) Horticulture/ Agri-Horticulture		0								0	0.00
	(a) Area	Ha.	0	0.00	17	2.94	17	2.94	4	0.65	37	6.53
	(b) No. of Plants	No.		0.00							0	0.00
	(4) Animal husbandry										0	0.00

A. fodder production	No. of Units / Farmers	0	0.00	105	0.63	105	0.63	23	0.14	234	1.41
B. Vaccination/Medication	No. of Animals			193	0.18	193	0.18	43	0.04	428	0.41
C. Artificial Insemination	No. of Animals			189	0.07	189	0.07	42	0.02	419	0.16
D. Natural Service.	He Buffalo			5	1.19	5	1.19	1	0.26	11	2.64

## 2. Estimates of Different Participatory Crop Trials

<b>Pulses</b>	<b>Rabi</b>			
<b>Integrated Crop Management</b>	<b>Lentil</b>			
<b>Area of Demonstration - 0.40 ha</b>				
<b>Detail of Demonstration</b>	<b>Intervention / Technology Adopted</b>	<b>Organizations for obtaining Seed</b>		
1. Name of Varieties	Narendra Masoor-1, DPL-15, L-4076, Pusa Vaibhav	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
	Late- IPL-81, K-75			
2. Sowing Time	IIInd week of October			
		<b>Rate(Rs/kg/ Pkt)</b>	<b>Cost per ha (Rs)</b>	<b>Demonstration Cost (Rs)</b>
3. Required Seed	50 kg / ha (F1,F2, Certified)	80	5000	2000.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1918	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	255	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	2438	975.00
ii) SSP*	375 kg	8	3750	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	405	162.00
iv) MOP	50 kg	7	438	175.00
* Either one	40 kg /ha Sulphur added if SSP used			

13. IPM				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	781	312.50
	<b>Total (Less SSP)</b>			<b>4743.25</b>
<b>Integrated Crop Management</b>	<b>Chickpea</b>			
<b>Area of Demonstration - 0.40 ha</b>				
<b>Detail of Demonstration</b>	<b>Intervention / Technology Adopted</b>	<b>Organizations for obtaining Seed</b>		
1. Name of Varieties	KGD-1168, KWR-108, Pusa-256, Pusa-367 Late- Udai	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	1st week of October			
		<b>Rate(Rs/kg/ Pkt)</b>	<b>Cost per ha (Rs)</b>	<b>Demonstration Cost (Rs)</b>
3. Required Seed	80 kg / ha (F1,F2, Certified)	65	6500	2600.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1918	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	255	102.00
12. Recommended dose of fertilizers				
25:60:30      NPK				

i) DAP*	130 kg	15	2438	975.00
ii) SSP*	375 kg	8	3750	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	405	162.00
iv) MOP	50 kg	7	438	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
<b>13. IPM</b>				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00
NPV	250 LE /ha at the time pod formation	200	250	100.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	781	312.50
	<b>Total (Less SSP)</b>			<b>5443.25</b>
<b>Integrated Crop Management</b>	<b>Field Pea</b>			
<b>Area of Demonstration - 0.40 ha</b>				
<b>Detail of Demonstration</b>	<b>Intervention / Technology Adopted</b>	<b>Organizations for obtaining Seed</b>		
1. Name of Varieties	KMPR-400, KPMR-522, Rachna, Shikha	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	IIInd week of October			
		<b>Rate(Rs/kg/ Pkt)</b>	<b>Cost per ha (Rs)</b>	<b>Demonstration Cost (Rs)</b>
3. Required Seed	100 kg / ha (F1,F2, Certified)	60	7500	3000.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1918	767.25

11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	255	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	2438	975.00
ii) SSP*	375 kg	8	3750	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	405	162.00
iv) MOP	50 kg	7	438	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	781	312.50
	<b>Total (Less SSP)</b>			<b>5743.25</b>
<b>Integrated Crop Management</b>	<b>Urd</b>			
<b>Area of Demonstration - 0.40 ha</b>				
<b>Detail of Demonstration</b>	<b>Intervention / Technology Adopted</b>	<b>Organizations for obtaining Seed</b>		
1. Name of Varieties	Shekhar-2, Azad-1, PU-35, Narendra Urd-1	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		

2. Sowing Time	Last week of July			
		Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	16 kg / ha (F1,F2, Certified)	100	2000	800.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1918	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	255	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	2438	975.00
ii) SSP*	375 kg	8	3750	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	405	162.00
iv) MOP	50 kg	7	438	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	781	312.50
	<b>Total (Less SSP)</b>			<b>3543.25</b>
<b>Integrated Crop Management</b>	<b>Moong</b>			
<b>Area of Demonstration - 0.40</b>				

ha				
Detail of Demonstration	Intervention / Technology Adopted	Organizations for obtaining Seed		
1. Name of Varieties	T.M-9937, Meha, Pant Moong-1,2 Late- Type-44, Samrat	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Last week of June			
		<b>Rate(Rs/kg/ Pkt)</b>	<b>Cost per ha (Rs)</b>	<b>Demonstration Cost (Rs)</b>
3. Required Seed	16 kg / ha (F1,F2, Certified)	100	2000	800.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1918	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	255	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	2438	975.00
ii) SSP*	375 kg	8	3750	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	405	162.00
iv) MOP	50 kg	7	438	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00
NPV	250 LE /ha at the time pod	200	250	100.00

	formation			
Insecticides/Fungicides	If required One Dusting of Methyle Parathion powder			
	25 kg / ha	25	781	312.50
	<b>Total (Less SSP)</b>			<b>3643.25</b>
<b>Integrated Crop Management</b>	<b>Arhar</b>			
<b>Area of Demonstration - 0.40 ha</b>				
<b>Detail of Demonstration</b>	<b>Intervention / Technology Adopted</b>	<b>Organizations for obtaining Seed</b>		
1. Name of Varieties	Paras, UPAS-120, Type-21, Pusa-992 (Wilt rest.) Late- Bahar, Narendra Arhar-1, Azad	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Late- Month July Early Last Week of June	<b>Rate(Rs/kg/ Pkt)</b>	<b>Cost per ha (Rs)</b>	<b>Demonstration Cost (Rs)</b>
3. Required Seed	20 kg / ha (F1,F2, Certified)	120	3000	1200.00
7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	255	102.00
12. Recommended dose of fertilizers				
15:45:20 NPK				
i) DAP*	100 kg	15	2438	750.00

ii) SSP*	250 kg	8	3750	1000.00
iii) Urea	In case of SSP 54 kg Urea applied	6	405	162.00
iv) MOP	50 kg	7	438	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder		0	
	25 kg / ha	25	781	312.50
	<b>Total</b>			<b>2951.00</b>
<b>Integrated Crop Management</b>	<b>Linseed</b>			
<b>Area of Demonstration - 0.40 ha</b>				
<b>Detail of Demonstration</b>	<b>Intervention / Technology Adopted</b>	<b>Organizations for obtaining Seed</b>		
1. Name of Varieties	Sweta, Subhra, Garima, Shekhar, Parwati Late- Laxmi-27, Padmini	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Mid October	<b>Rate(Rs/kg/ Pkt)</b>	<b>Cost per ha (Rs)</b>	<b>Demonstration Cost (Rs)</b>
3. Required Seed	30 kg / ha (F1,F2, Certified)	75	2813	1125.00
7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
ii) Rhizobium + PSB	-	-	-	-

iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
50:40:40 NPK				
i) DAP*	125 kg	15	2344	937.50
ii) SSP*	275 kg	8	2750	1100.00
iii) Urea	50 kg	6	375	150.00
iv) MOP	50 kg	7	438	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder		0	
	25 kg / ha	25	781	312.50
	<b>Total (Less SSP)</b>			<b>2949.50</b>
<b>Integrated Crop Management</b>	<b>Mustard</b>			
<b>Area of Demonstration - 0.40 ha</b>				
<b>Detail of Demonstration</b>	<b>Intervention / Technology Adopted</b>	<b>Organizations for obtaining Seed</b>		
1. Name of Varieties	Varuna, Kranti, Rohini, Vaibhav, Pusa Bold Late-Ashirvad, Vardan	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	October first week	<b>Rate(Rs/kg/ Pkt)</b>	<b>Cost per ha (Rs)</b>	<b>Demonstration Cost (Rs)</b>
3. Required Seed	6 kg / ha (F1,F2, Certified)	150	1125	450.00

7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
60:50:30 NPK				
i) DAP*	180 kg	15	3375	1350.00
ii) SSP*	275 kg	8	2750	1100.00
iii) Urea	75 kg	6	563	225.00
iv) MOP	50 kg	7	438	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	781	312.50
	<b>Total (Less SSP)</b>			<b>2762.00</b>
<b>Integrated Crop Management</b>	<b>Toriya</b>			
<b>Area of Demonstration - 0.40 ha</b>				
<b>Detail of Demonstration</b>	<b>Intervention / Technology Adopted</b>	<b>Organizations for obtaining Seed</b>		
1. Name of Varieties	Type-9, PT-303, PT-30	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of		

	Late-Bhawani	Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	First Fortnight of September	Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
	3. Required Seed	4 kg / ha (F1,F2, Certified)	200	1000
7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
50:30:30 NPK				
i) DAP*	125 kg	15	2344	937.50
ii) SSP*	275 kg	8	2750	1100.00
iii) Urea	50 kg	6	375	150.00
iv) MOP	50 kg	7	438	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder		0	
	25 kg / ha	25	781	312.50
	<b>Total (Less SSP)</b>			<b>2224.50</b>
<b>Integrated Crop Management</b>	<b>Til (Sesamum)</b>			
<b>Area of Demonstration - 0.40</b>				

ha				
Detail of Demonstration	Intervention / Technology Adopted	Organizations for obtaining Seed		
1. Name of Varieties	Type-4,12,13,78, Shekhar Late- Pragati, Tarun	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	June last week to July 15	Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	4 kg / ha (F1,F2, Certified)	150	750	300.00
7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
30:15:25 NPK				
i) DAP*	80 kg	15	1500	600.00
ii) SSP*	225 kg	8	2250	900.00
iii) Urea	30 kg	6	225	90.00
iv) MOP	40 kg	7	350	140.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00

Insecticides/Fungicides	If required One Dusting of Methyle Paratheaon powder			
	25 kg / ha	25	781	312.50
	<b>Total (Less SSP)</b>			<b>1692.00</b>
<b>Integrated Crop Management</b>	<b>Wheat</b>			
<b>Area of Demonstration - 0.40 ha</b>				
<b>Detail of Demonstration</b>	<b>Intervention / Technology Adopted</b>	<b>Organizations for obtaining Seed</b>		
1. Name of Varieties	UP-2338,WH-542,PBW-343,502,550,K-9006,307	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Mid October to first week of Nov	<b>Rate(Rs/kg/ Pkt)</b>	<b>Cost per ha (Rs)</b>	<b>Demonstration Cost (Rs)</b>
3. Required Seed	100 kg / ha (F1,F2, Certified)	25	3125	1250.00
7. Use Weedicide	Total - at 28 to 32 at after sowing	950	1188	475.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	255	102.00
12. Recommended dose of fertilizers				
120:60:40 NPK				
i) DAP*	325 kg	15	6094	2437.50
ii) SSP*	-	-	0	0.00
iii) Urea	100 kg	6	750	300.00
iv) MOP	80 kg	7	700	280.00

v) Zinc	30 kg /ha	25	938	375.00
13. IPM				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder		0	
	25 kg / ha	25	781	312.50
	<b>Total (Less SSP)</b>			<b>5781.50</b>
<b>Integrated Crop Management</b>	<b>Maize</b>			
<b>Area of Demonstration - 0.40 ha</b>				
<b>Detail of Demonstration</b>	<b>Intervention / Technology Adopted</b>	<b>Organizations for obtaining Seed</b>		
1. Name of Varieties	Hyb. Duccan-103, 105, Sankul-Dhawal, Shakti-1, Popcorn- Amber, V.L. Amber, Perl popcorn	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	15 Oct. to 15 Nov.	<b>Rate(Rs/kg/ Pkt)</b>	<b>Cost per ha (Rs)</b>	<b>Demonstration Cost (Rs)</b>
3. Required Seed	22 kg / ha (F1,F2, Certified)	60	1650	660.00
4. Seed Treatment	Thirum & 25 ml Chloropyryphose	60	75	30.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	255	102.00
12. Recommended dose of				

fertilizers				
100:60:40 NPK				
i) DAP*	265 kg	15	4969	1987.50
ii) SSP*	-	-	0	0.00
iii) Urea	80 kg	6	600	240.00
iv) MOP	50 kg	7	438	175.00
v) Zinc	-	-	0	0.00
13. IPM				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder		0	
	25 kg / ha	25	781	312.50
	<b>Total (Less SSP)</b>			<b>3756.50</b>
<b>Integrated Crop Management</b>	<b>Maize</b>			
<b>Area of Demonstration - 0.40 ha</b>				
<b>Detail of Demonstration</b>	<b>Intervention / Technology Adopted</b>	<b>Organizations for obtaining Seed</b>		
1. Name of Varieties	Hybrid- Ganga-11, Sartaj, Prakash, Pusa Hybrid Maize5, Composite-Prabhat, Navjyoti, Pusa Composite-2, Naveen	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Mid June	<b>Rate(Rs/kg/ Pkt)</b>	<b>Cost per ha (Rs)</b>	<b>Demonstration Cost (Rs)</b>
3. Required Seed	20 kg / ha (F1,F2, Certified)	40	1000	400.00
4. Seed Treatment	Thirum & 25 ml Chloropirypose	60	75	30.00

11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	255	102.00
12. Recommended dose of fertilizers				
100:60:40 NPK				
i) DAP*	265 kg	15	4969	1987.50
ii) SSP*	-	-	0	0.00
iii) Urea	80 kg	6	600	240.00
iv) MOP	50 kg	7	438	175.00
v) Zinc	-	-	0	0.00
13. IPM				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder		0	
	25 kg / ha	25	781	312.50
	<b>Total (Less SSP)</b>			<b>3496.50</b>
<b>Integrated Crop Management</b>	<b>Sorghum</b>			
<b>Area of Demonstration - 0.40 ha</b>				
<b>Detail of Demonstration</b>	<b>Intervention / Technology Adopted</b>	<b>Organizations for obtaining Seed</b>		
1. Name of Varieties	CSV-13, 15, 1616, Bundela. CSH-16	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		

2. Sowing Time	June last to July first week	Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	12 kg / ha (F1,F2, Certified)	40	600	240.00
4. Seed Treatment	Thirum & 25 ml Chloropyrphose	60	75	30.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	94	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	255	102.00
12. Recommended dose of fertilizers				
80:40:20 NPK				
i) DAP*	280 kg	15	5250	2100.00
ii) SSP*	-	-	0	0.00
iii) Urea	100 kg	6	750	300.00
iv) MOP	80 kg	7	700	280.00
v) Zinc	-	-	0	0.00
13. IPM				
Spray of Neem Seed Kernal	10	30	375	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	155	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	781	312.50
	<b>Total (Less SSP)</b>			<b>3614.00</b>

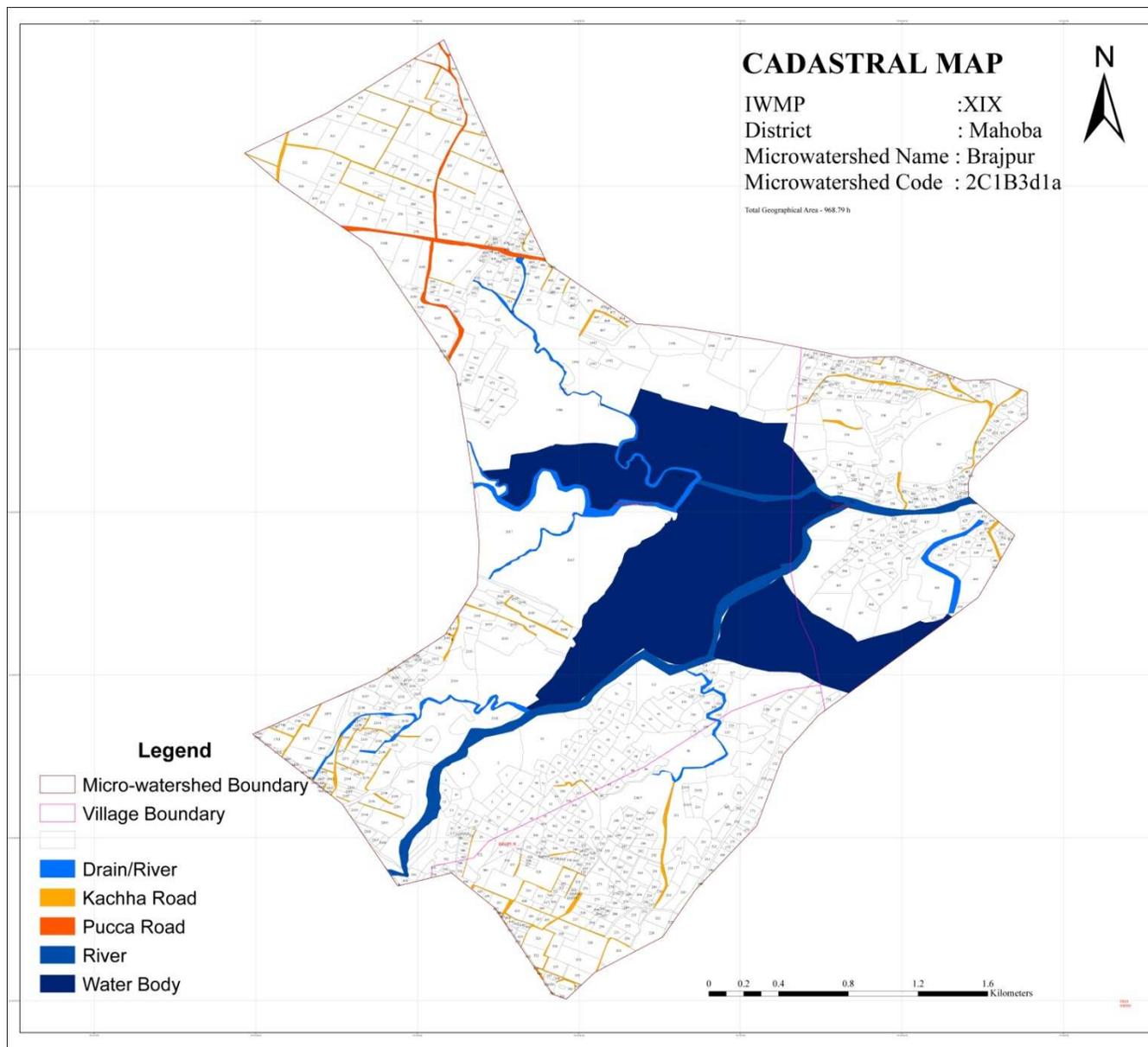
**Details of Demonstration under Agriculture Production System**

<b>Project- IWMP-XIX</b>																
S. No.	No. of Farmers	Crop	Variety	Area (ha)	Total cost of dem on. (Rs.)	Benefic iary Contrib ution (Rs.)	Sha re of Proj ect fun d (Rs.)	Prop. date of sowing	Exp. Crop maturi ty date	Prop. Crop cutting Date	Productivity (Q/ha)		Total Seed	Expected Seed Exchange		Rem arks
											Exist ing	Expe cted	Produ ction (Qtl.)	No of Far mers	Quan tity (Qtl.)	
		<b>Khar if</b>														
1	240	Urd	Shekhar-2, Azad-1/ PU-35/19	48.00	1.701	0.060	1.641	Last June to Mid July	Mid September	25-Sep	3.48	5.6	268.8	1792	107.52	
						0.221	1.480									
2	200	Sorghum	Bundela, CSV-15, 13	40.00	1.446	0.051	1.395	Last June to Mid July	Mid September	25-Sep	4.2	6.2	248	2067	206.67	
						0.188	1.258									
3	240	Arhar	Paras, UPAS-120	48.00	1.416	0.050	1.367	Last June- July	Oct (UPAS)	30-Sep	5.34	7.6	364.8	1459	291.84	
						0.184	1.232		March (Paras)	25-Mar						
4	200	Til	Pragati, Shekhar	40.00	0.677	0.024	0.653	15-Jul	September	30-Sep	1.8	3.6	144	3600	108.00	
		<b>Rabi</b>				0.088	0.589									

1	400	Lentil	DPL-15, K-75	80.00	3.795	0.133	3.662	15-Oct	Feb	5-Feb	4.9	6.5	520	867	433.33	
						0.493	3.301									
2	320	Chick pea	KDG- 1168, KWR-108	64.00	3.484	0.122	3.362	15-30 October	Las Feb to Mid March	2-10 March	5.62	8.5	544	680	476.00	
						0.453	3.031									
3	320	Field Pea	KPMR- 400, 522	64.00	3.676	0.129	3.547	October	March	5-Mar	6.2	9.5	608	760	570.00	
						0.478	3.198									
4	240	Linse ed	Parwati, Padmini	48.00	1.416	0.050	1.366	October	Feb- March	27 Feb to 5 March	Mixe d	5.6	268.8	1075	215.04	
						0.184	1.232									
5	200	Must ard	Maya, Kranti	40.00	1.1048	0.039	1.066	October	Feb	15-120 Feb	Mixe d	4.8	192	3840	153.60	
						0.144	0.961									
	<b>Total</b>					<b>3.088</b>	<b>34.340</b>									

**NOTE: List of beneficiaries for crop demonstration trials is kept in project file and it is located on the the map of Participatory Crop Demonstration Trials (Crop Action Plan)**

# MAPS



# PARTICIPATRY CROP DEMOSTRATION TRIALS

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Brajpur  
Microwatershed Code : 2C1B3d1a



Total Geographical Area - 908.79 h

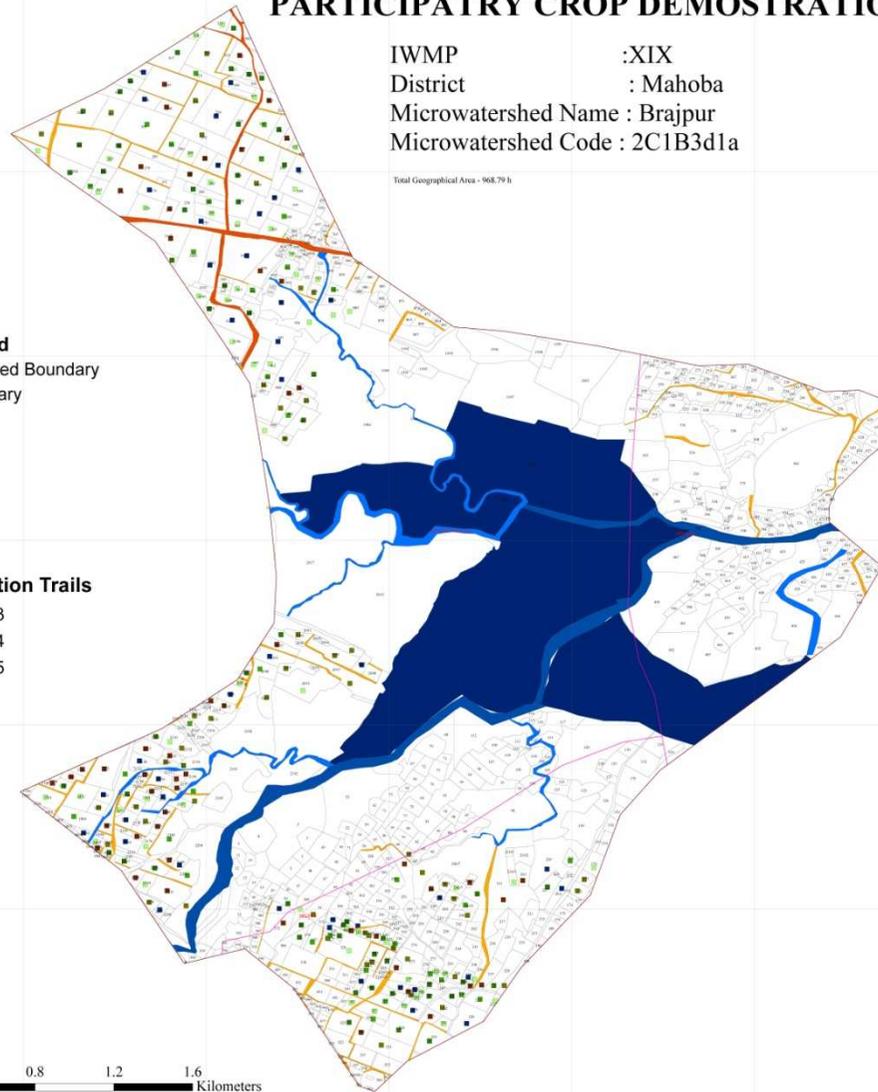
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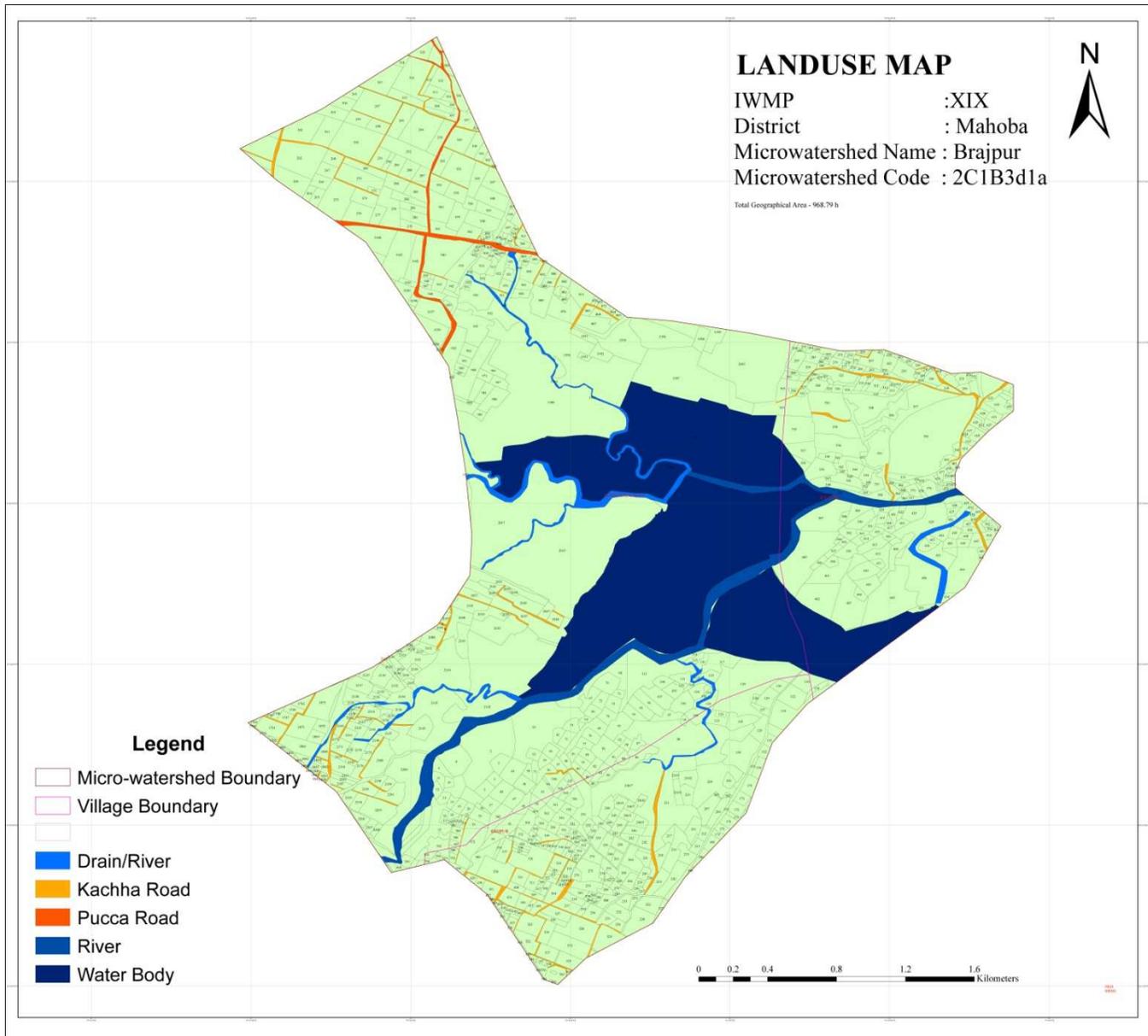
-  Micro-watershed Boundary
-  Village Boundary
-  Drain/River
-  Kachha Road
-  Pucca Road
-  River
-  Water Pond

## Crop Demostratation Trails

-  Kharif 2012-13
-  Kharif 2013-14
-  Kharif 2014-15
-  Rabi 2012-13
-  Rabi 2013-14
-  Rabi 2014-15

0 0.2 0.4 0.8 1.2 1.6 Kilometers





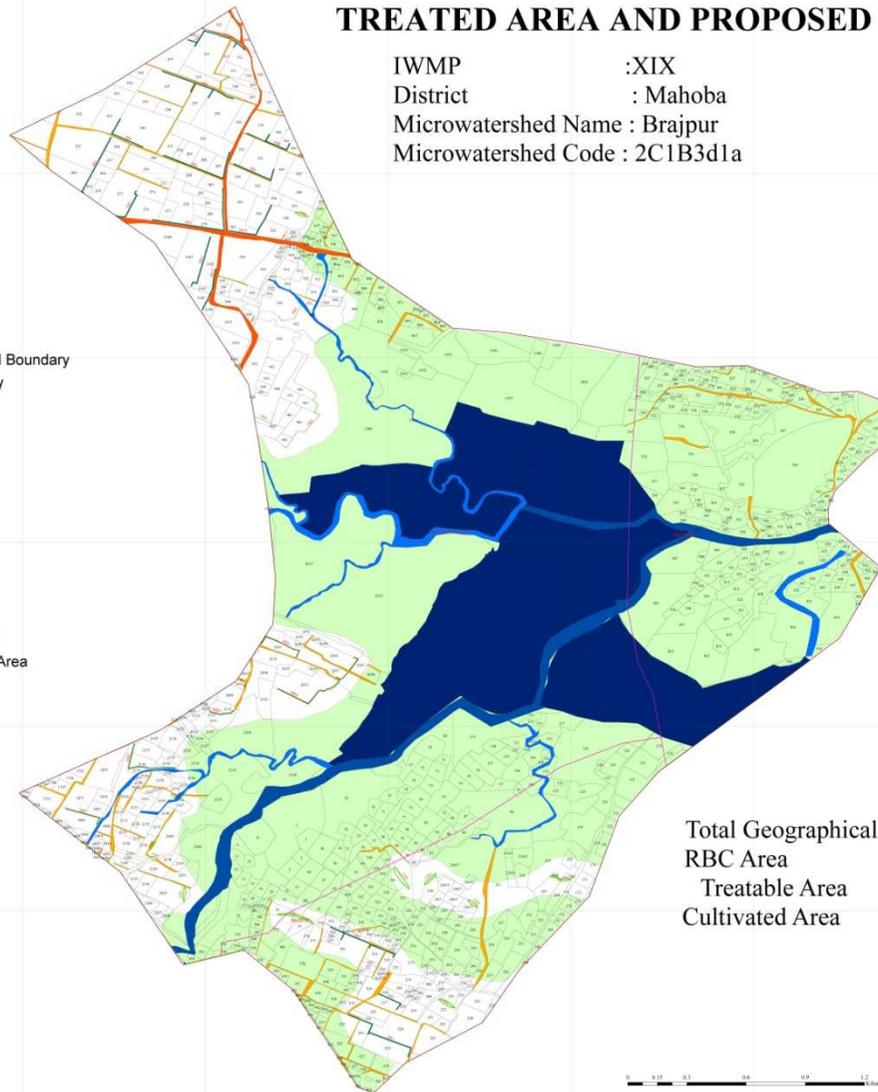
# TREATED AREA AND PROPOSED PLAN MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Brajpur  
Microwatershed Code : 2C1B3d1a



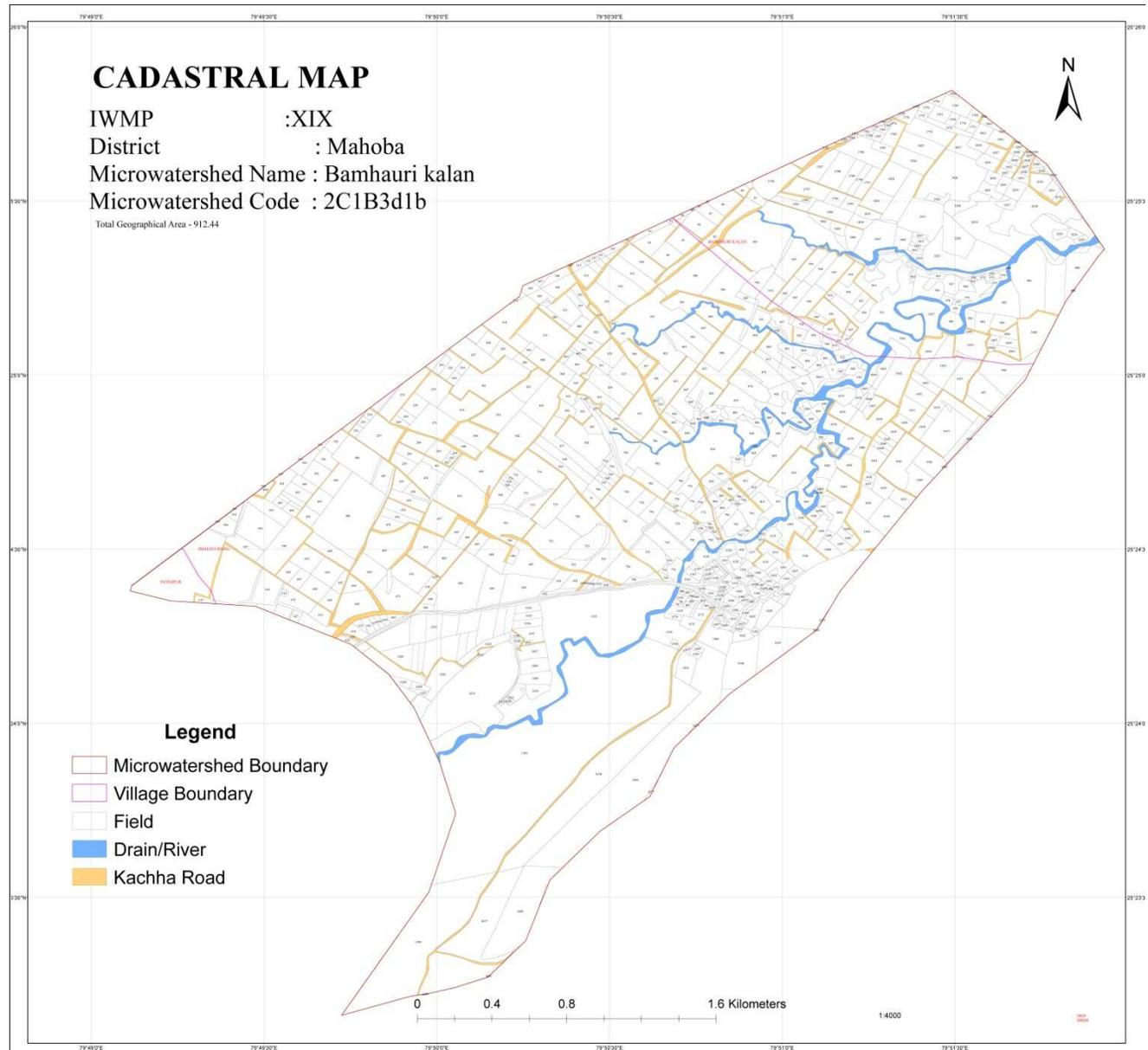
## Legend

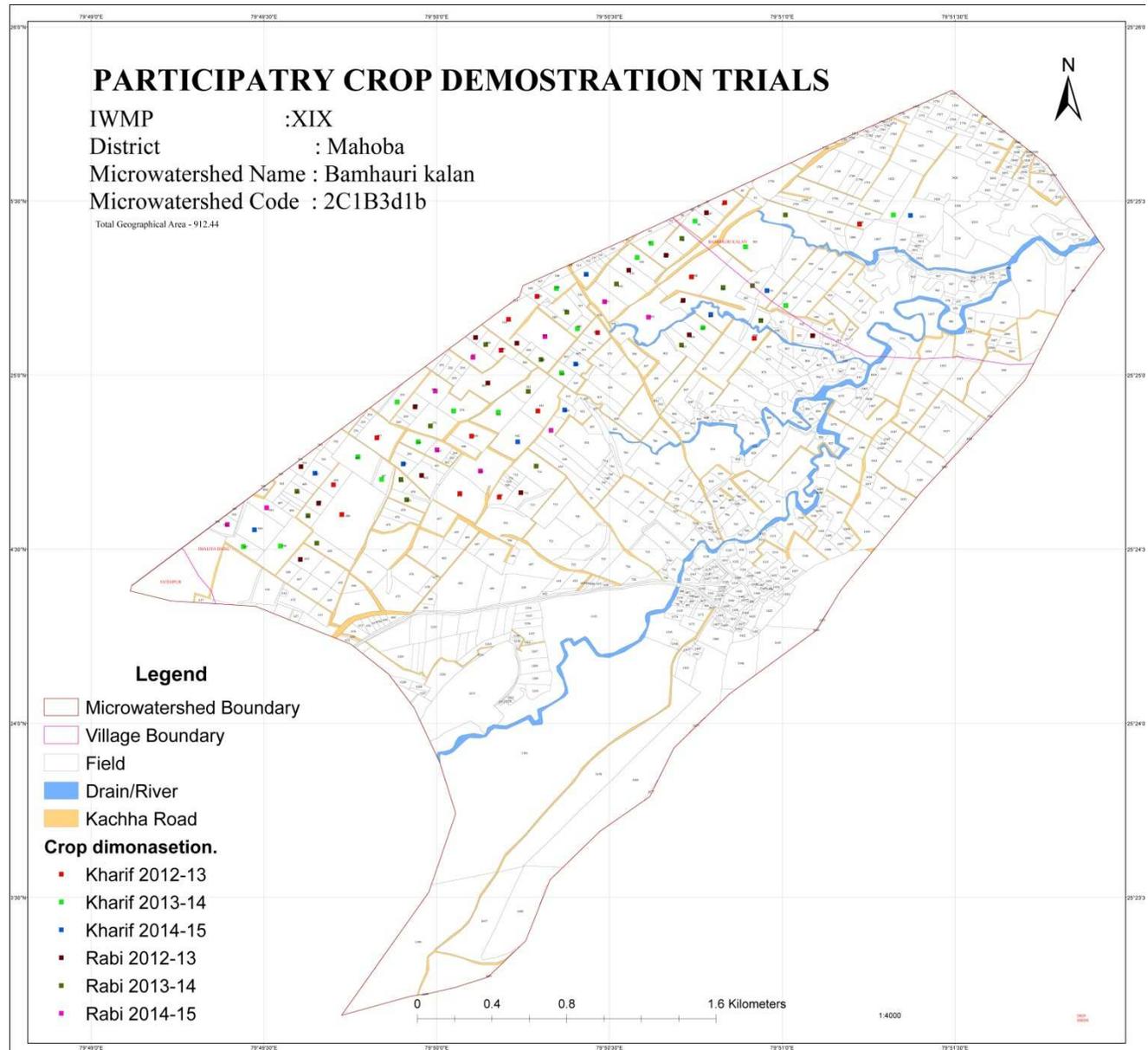
- Micro-watershed Boundary
- Village Boundary
- Drain/River
- Kachha Road
- Pucca Road
- Water Pond
- Planning**
- Chack Dam
- Marginal Bund
- Peripheral Bund
- Submerge Bund
- AlreadyTreated Area

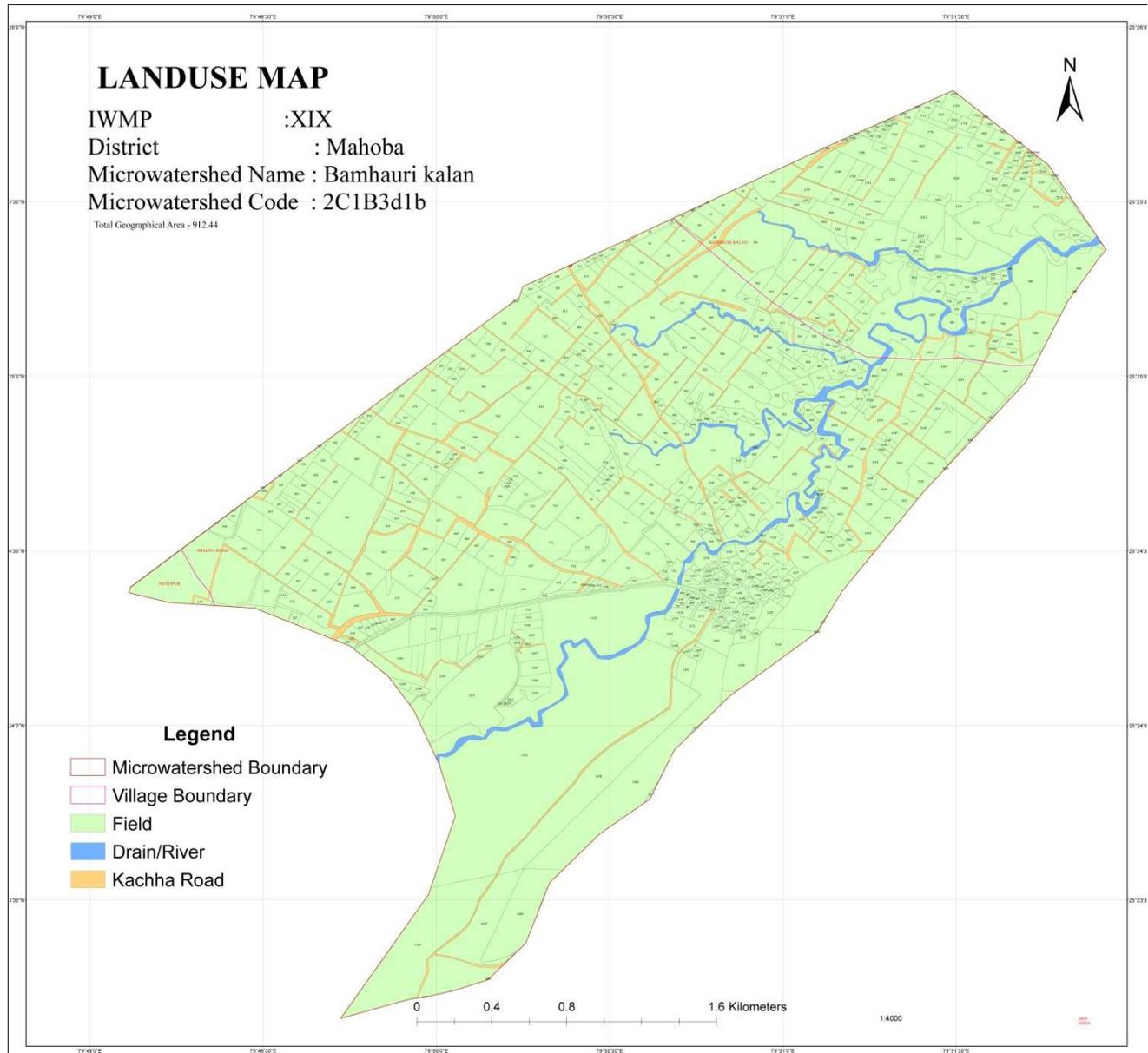


Total Geographical Area :968.79 ha  
RBC Area :213.13 ha  
Treatable Area :191 ha  
Cultivated Area :755.65 ha





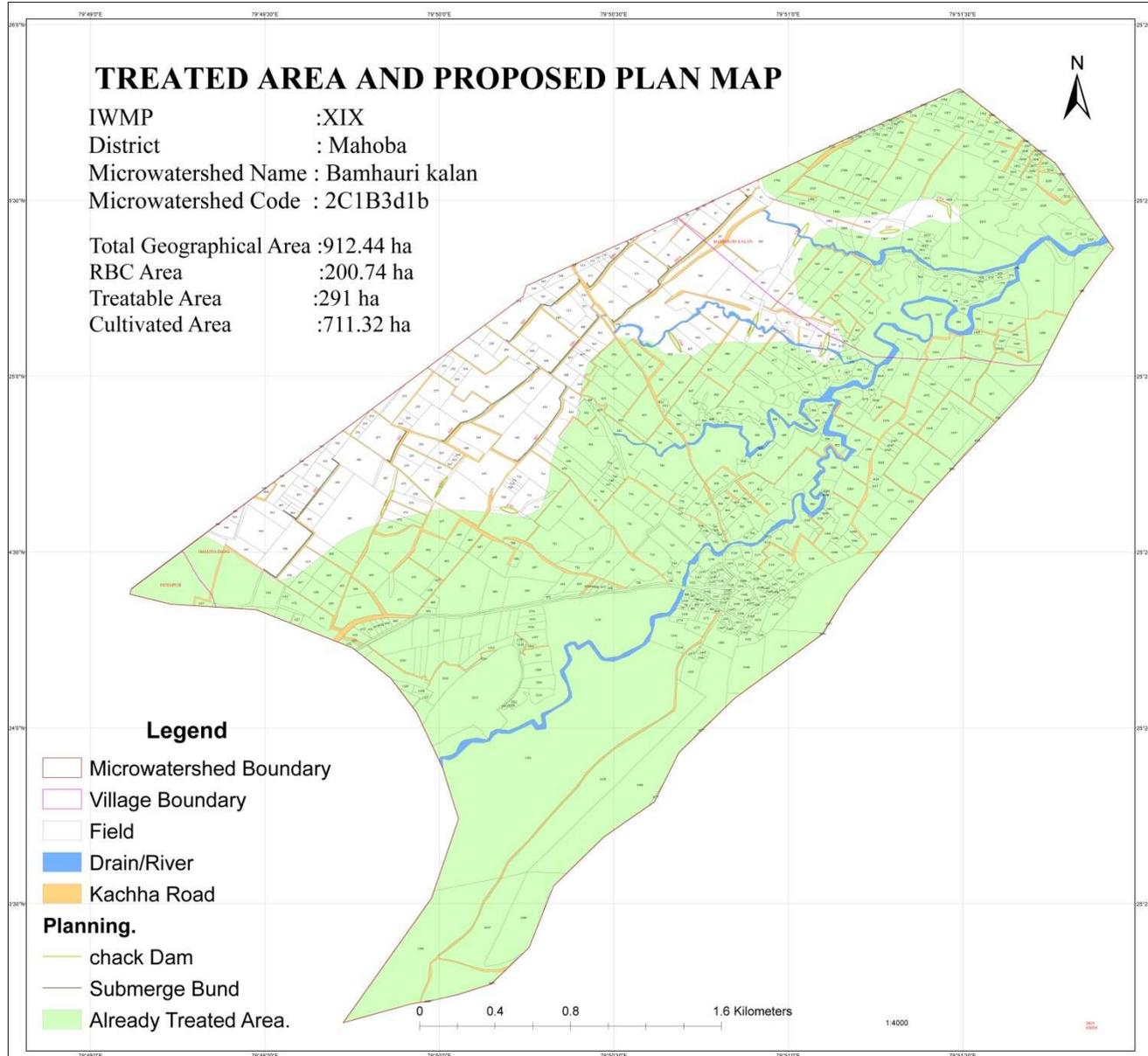




## TREATED AREA AND PROPOSED PLAN MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Bamhauri kalan  
Microwatershed Code : 2C1B3d1b

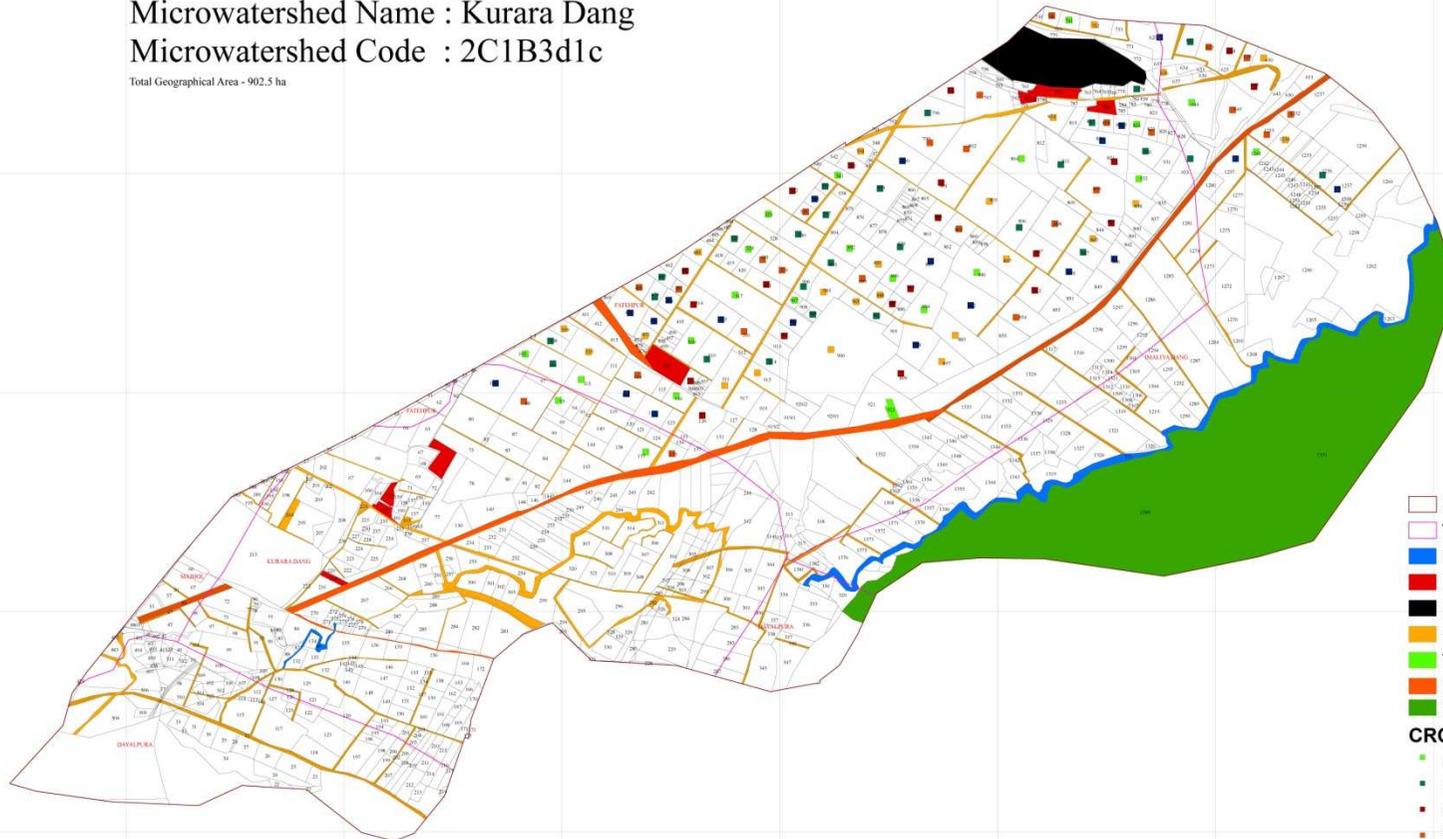
Total Geographical Area :912.44 ha  
RBC Area :200.74 ha  
Treatable Area :291 ha  
Cultivated Area :711.32 ha



# PARTICIPATRY CROP DEMOSTRATION TRIALS

IWMP : XIX  
District : Mahoba  
Microwatershed Name : Kurara Dang  
Microwatershed Code : 2C1B3d1c

Total Geographical Area - 902.5 ha



## Legend

- Micro-watershed Boundary
- Village Boundary
- Drain/River
- Habitation
- HILL
- Kachha road
- Temple
- Pucca road
- Forest

## CROP DIMONASETION.

- Kharif 2012-13
- Kharif 2013-14
- Kharif 2014-15
- Rabi 2012-13
- Rabi 2013-14
- Rabi 2014-15



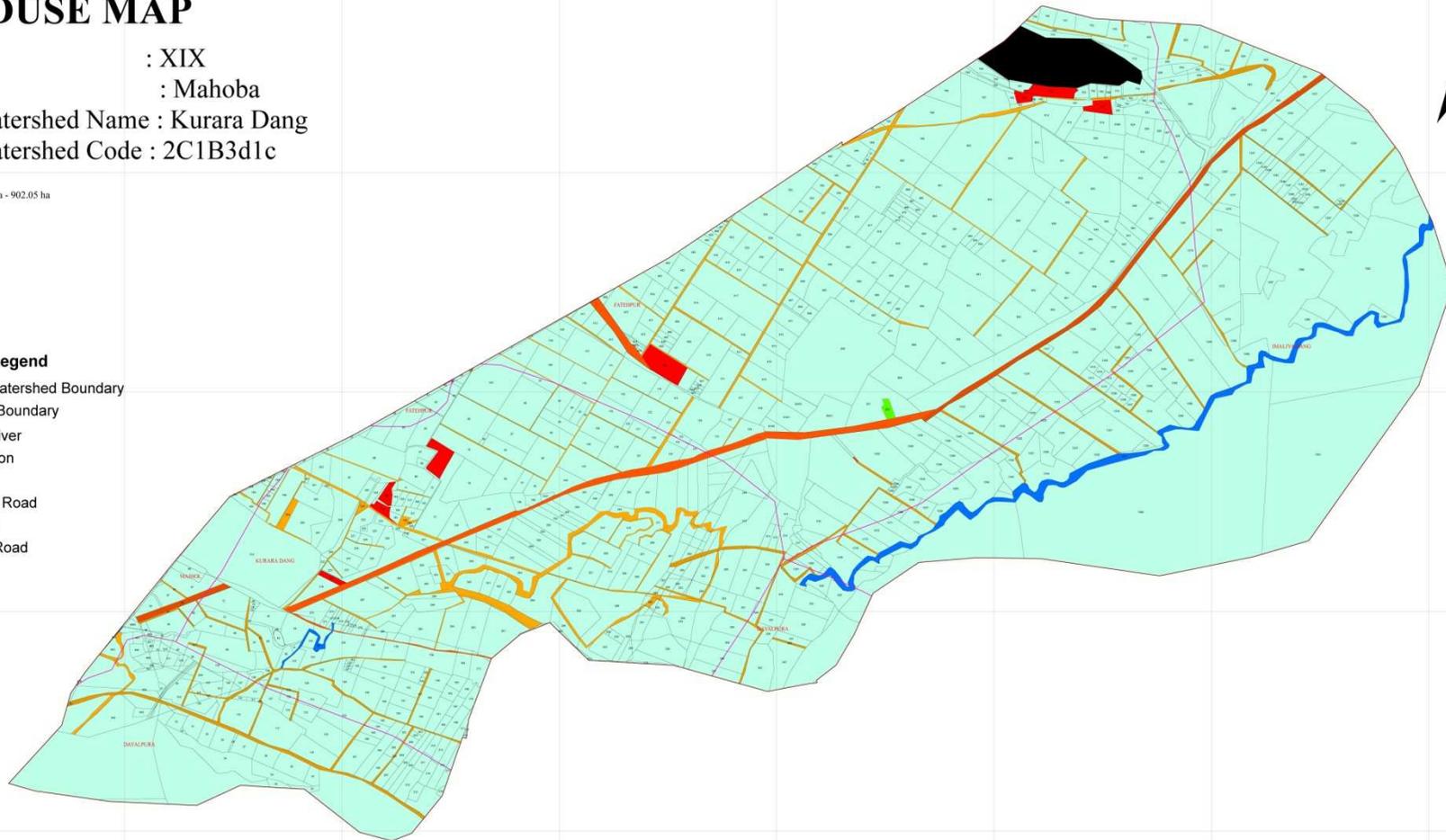
# LANDUSE MAP

IWMP : XIX  
District : Mahoba  
Microwatershed Name : Kurara Dang  
Microwatershed Code : 2C1B3d1c

total Geographical Area - 902.05 ha

## Legend

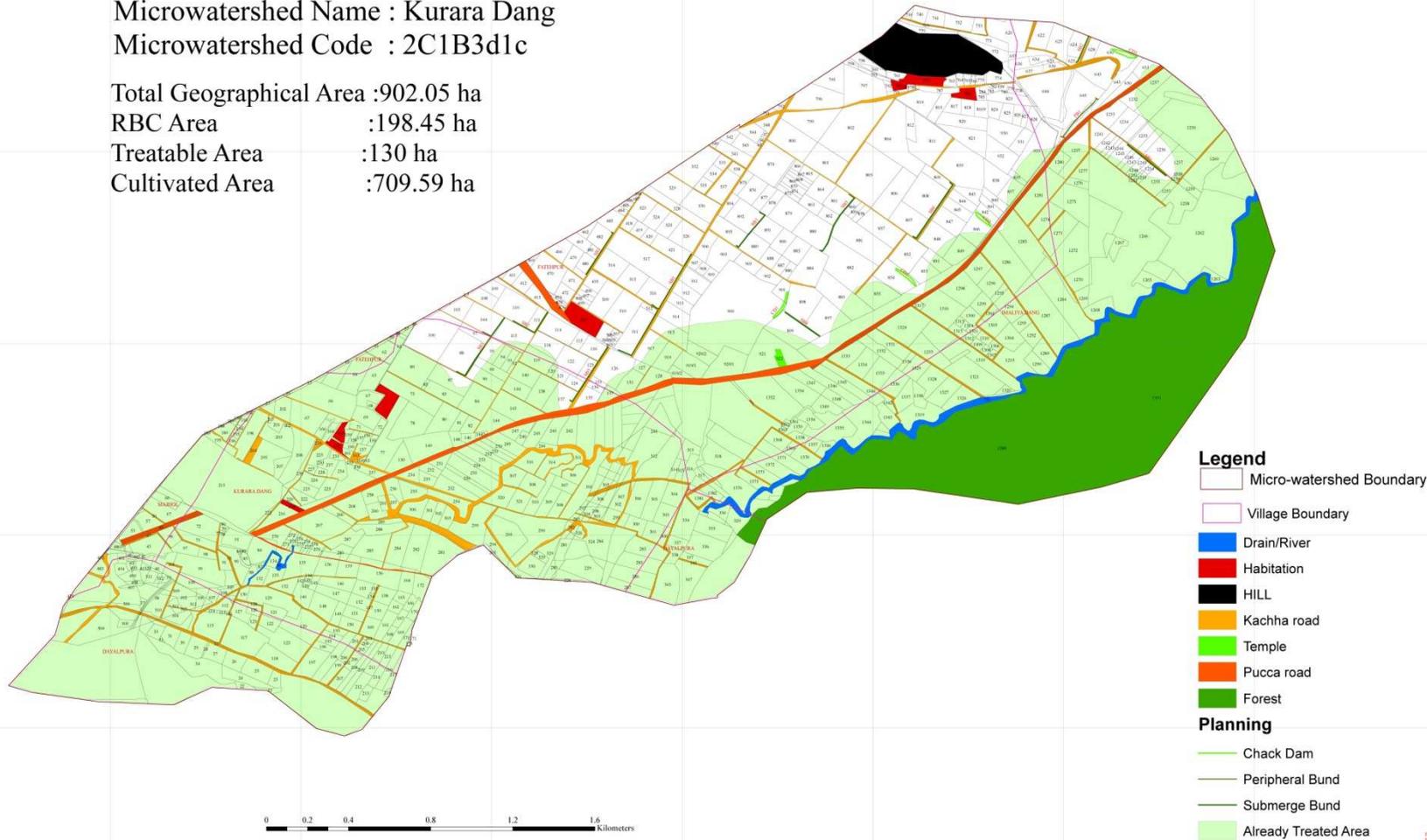
-  Micro-watershed Boundary
-  Village Boundary
-  Drain/River
-  Habitation
-  HILL
-  Kachha Road
-  Temple
-  Pucca Road
-  Forest



# TREATED AREA AND PROPOSED PLAN MAP

IWMP : XIX  
 District : Mahoba  
 Microwatershed Name : Kurara Dang  
 Microwatershed Code : 2C1B3d1c

Total Geographical Area :902.05 ha  
 RBC Area :198.45 ha  
 Treatable Area :130 ha  
 Cultivated Area :709.59 ha



# CADASTRAL MAP

IWMP : XIX  
District : Mahoba  
Microwatershed Name : Kurara Dang  
Microwatershed Code : 2C1B3d1c

total Geographical Area - 902.05 ha

## Legend

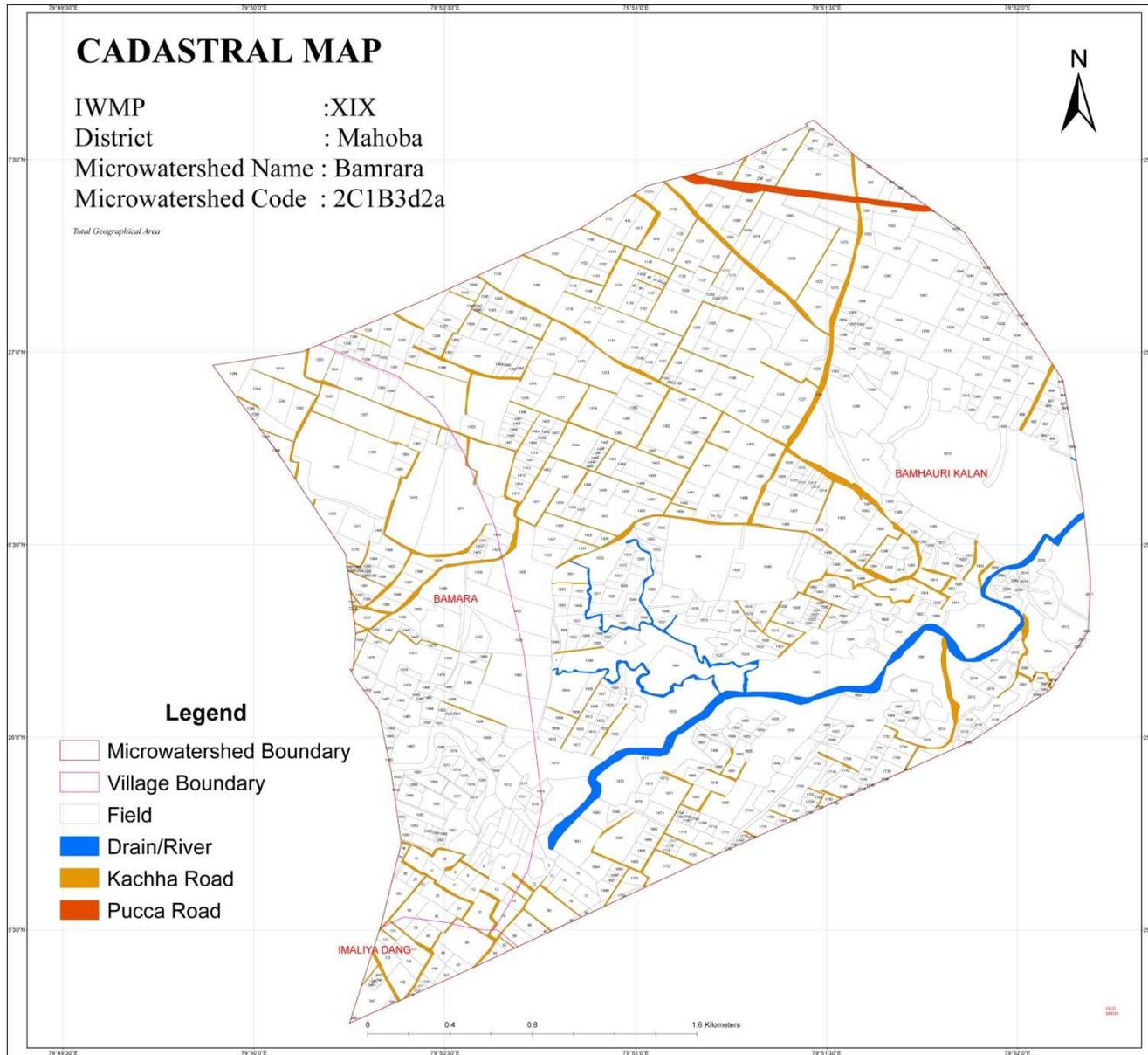
-  Micro-watershed Boundary
-  Village Boundary
-  Drain/River
-  Habitation
-  HILL
-  Kachha Road
-  Temple
-  Pucca Road
-  Forest



# CADASTRAL MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Bamrara  
Microwatershed Code : 2C1B3d2a

Total Geographical Area



# PARTICIPATRY CROP DEMOSTRATION TRIALS

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Bamrara  
Microwatershed Code : 2C1B3d2a

Total Geographical Area

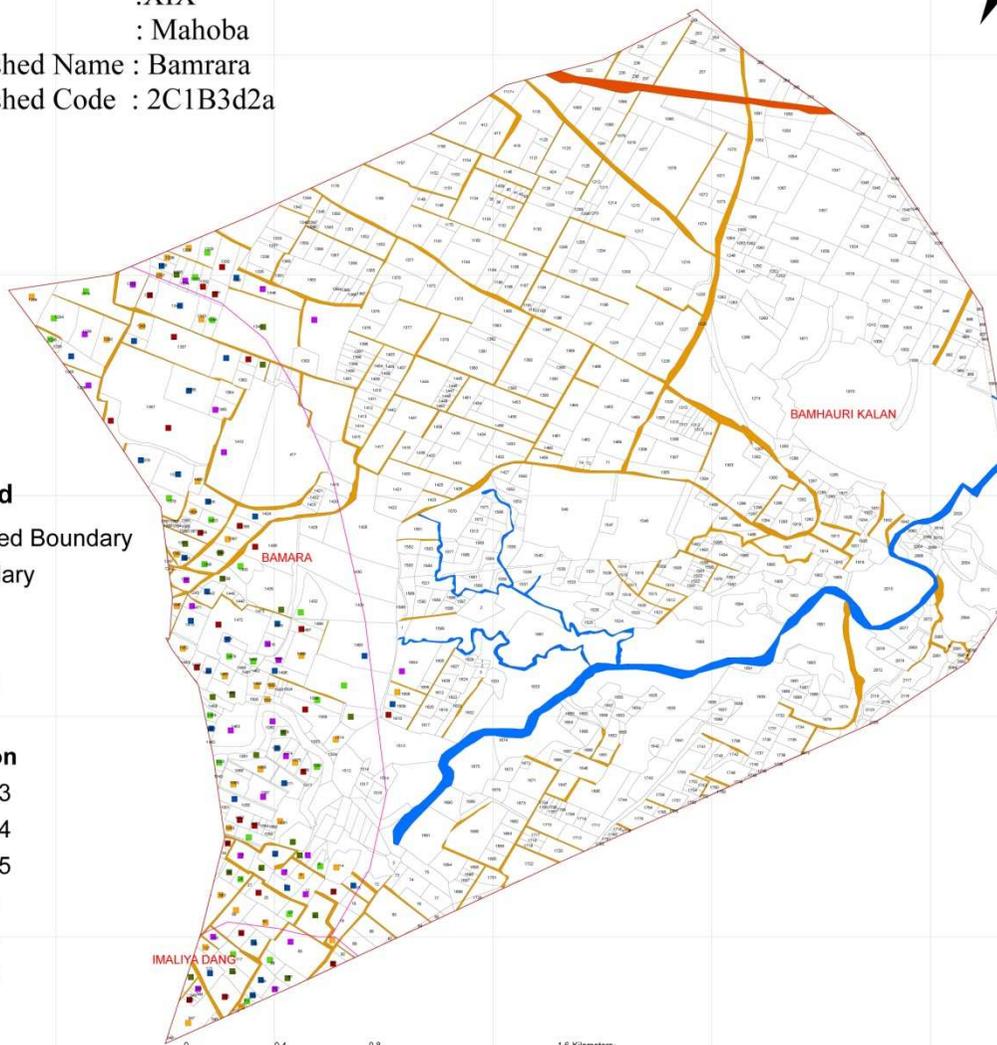


## Legend

-  Microwatershed Boundary
-  Village Boundary
-  Field
-  Drain/River
-  Kachha Road
-  Pucca Road

## Crop Demostration

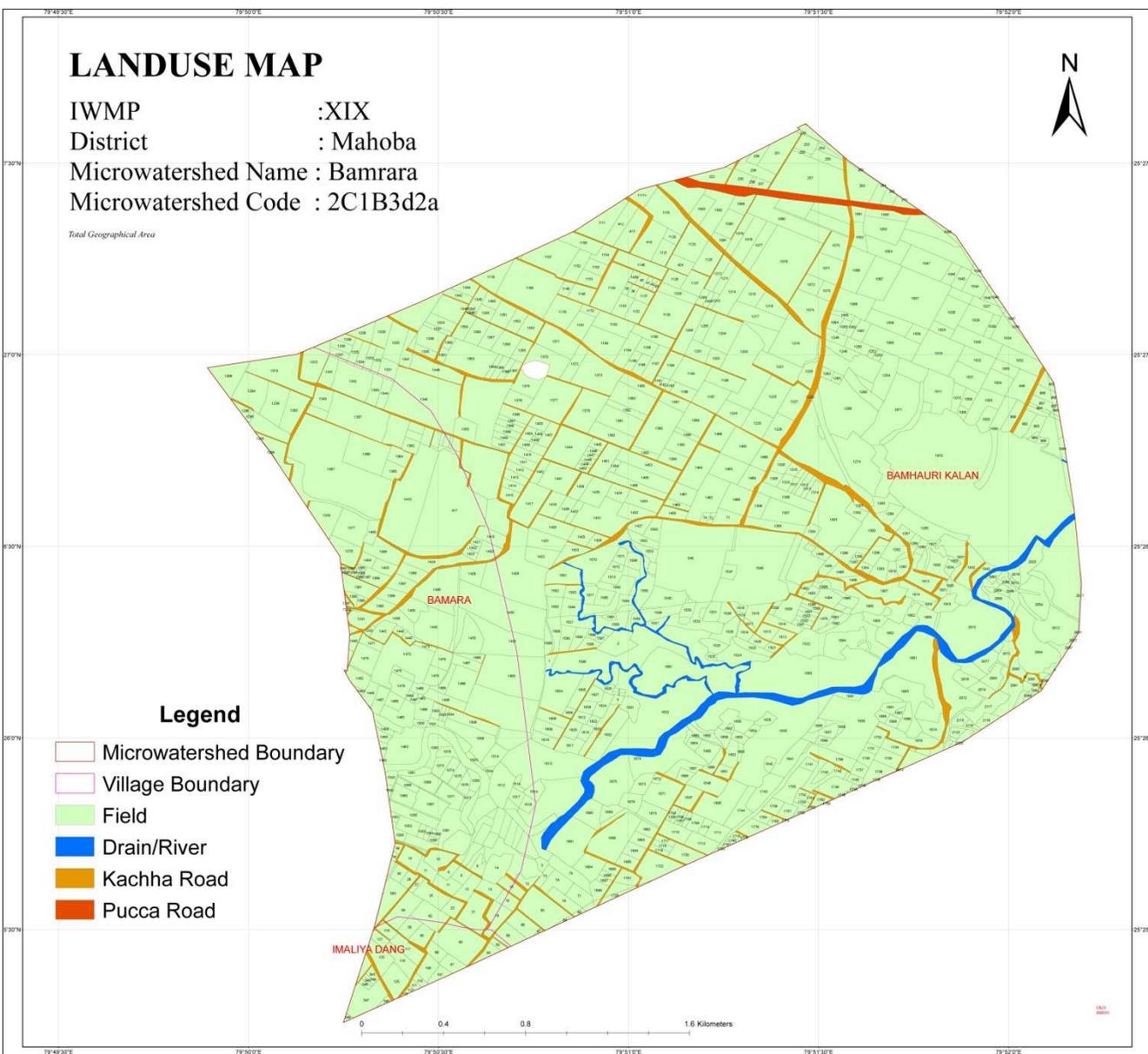
-  Kharif 2012-13
-  Kharif 2013-14
-  Kharif 2014-15
-  Rabi 2012-13
-  Rabi 2013-14
-  Rabi 2014-15



# LANDUSE MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Bamrara  
Microwatershed Code : 2C1B3d2a

Total Geographical Area



## Legend

-  Microwatershed Boundary
-  Village Boundary
-  Field
-  Drain/River
-  Kachha Road
-  Pucca Road

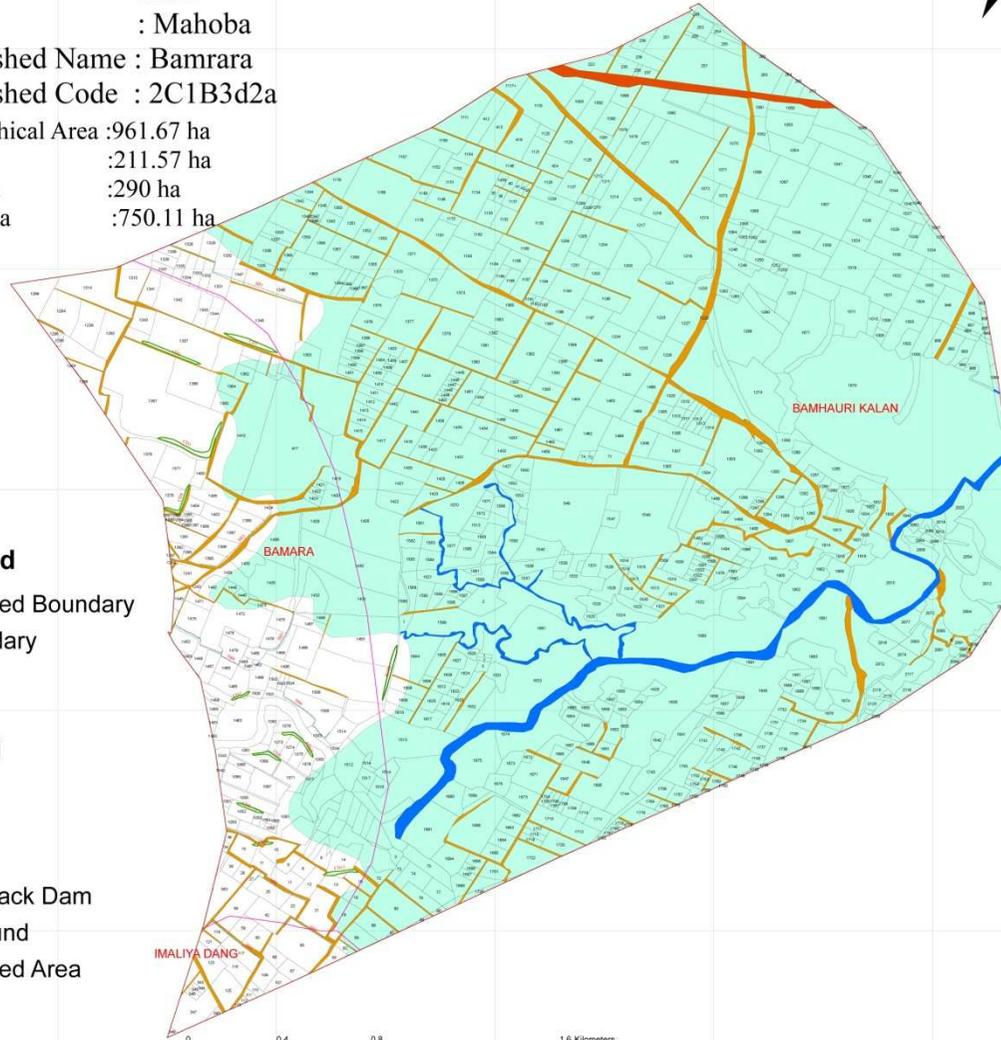
# TREATED AREA AND PROPOSED PLAN MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Bamrara  
Microwatershed Code : 2C1B3d2a  
Total Geographical Area :961.67 ha  
RBC Area :211.57 ha  
Treatable Area :290 ha  
Cultivated Area :750.11 ha



## Legend

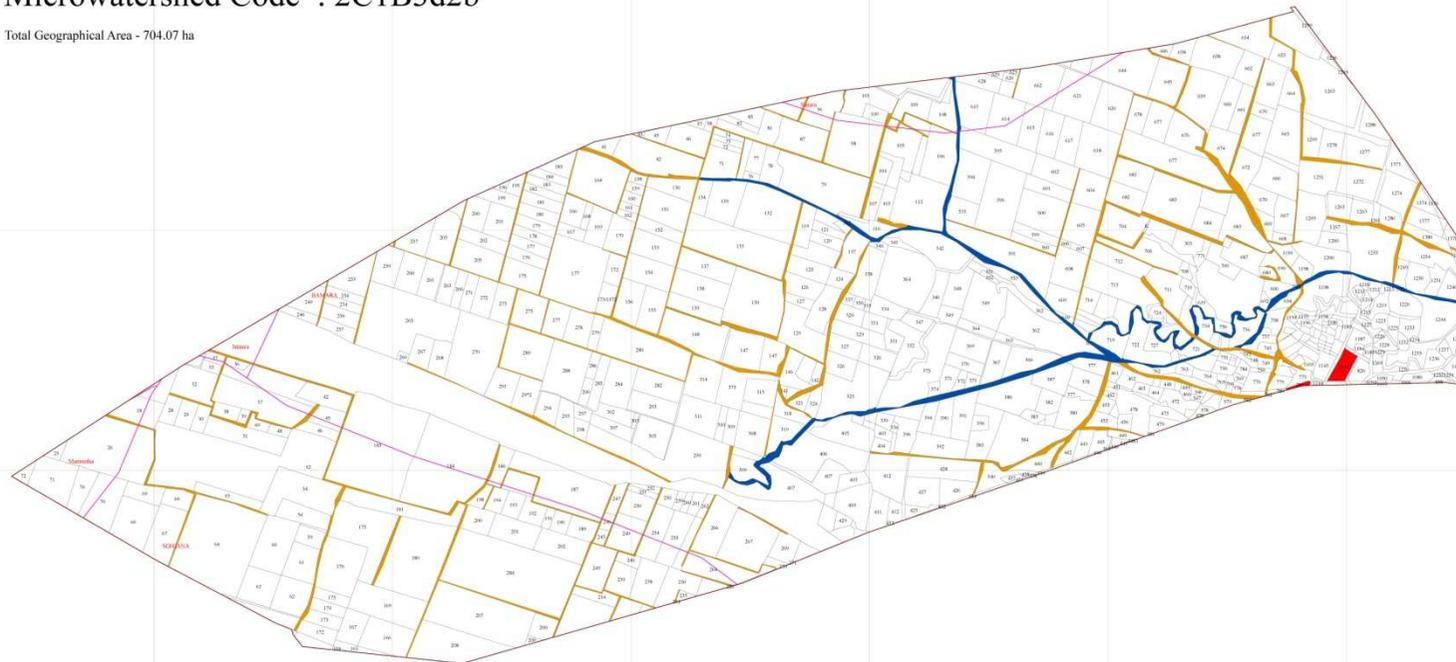
-  Microwatershed Boundary
-  Village Boundary
-  Field
-  Drain/River
-  Kachha Road
-  Pucca Road
- Planning**
-  Chack Dam
-  Recharge Chack Dam
-  Submerge Bund
-  Already Treated Area



# CADASTRAL MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Bamrara  
Microwatershed Code : 2C1B3d2b

Total Geographical Area - 704.07 ha



## Legend

-  Micro watershed Boundary
-  Village Boundary
-  Field
-  Drain/River
-  Habitation
-  Kachha Road

0 0.15 0.3 0.6 0.9 1.2  
Kilometers

SDA  
BHOA

# PARTICIPATRY CROP DEMOSTRATION TRIALS

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Bamrara  
Microwatershed Code : 2C1B3d2b

Total Geographical Area - 704.07 ha



## Legend

- Micro watershed Boundary
- Village Boundary
- Field
- Drain/River
- Habitation
- Kachha Road
- Crop Demonstration**
- Kharif 2012-13
- Kharif 2013-14
- Kharif 2014-15
- Rabi 2012-13
- Rabi 2013-14
- Rabi 2014-15

0 0.15 0.3 0.6 0.9 1.2 Kilometers

# LANDUSE MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Bamrara  
Microwatershed Code : 2C1B3d2b

Total Geographical Area - 704.07 ha



## Legend

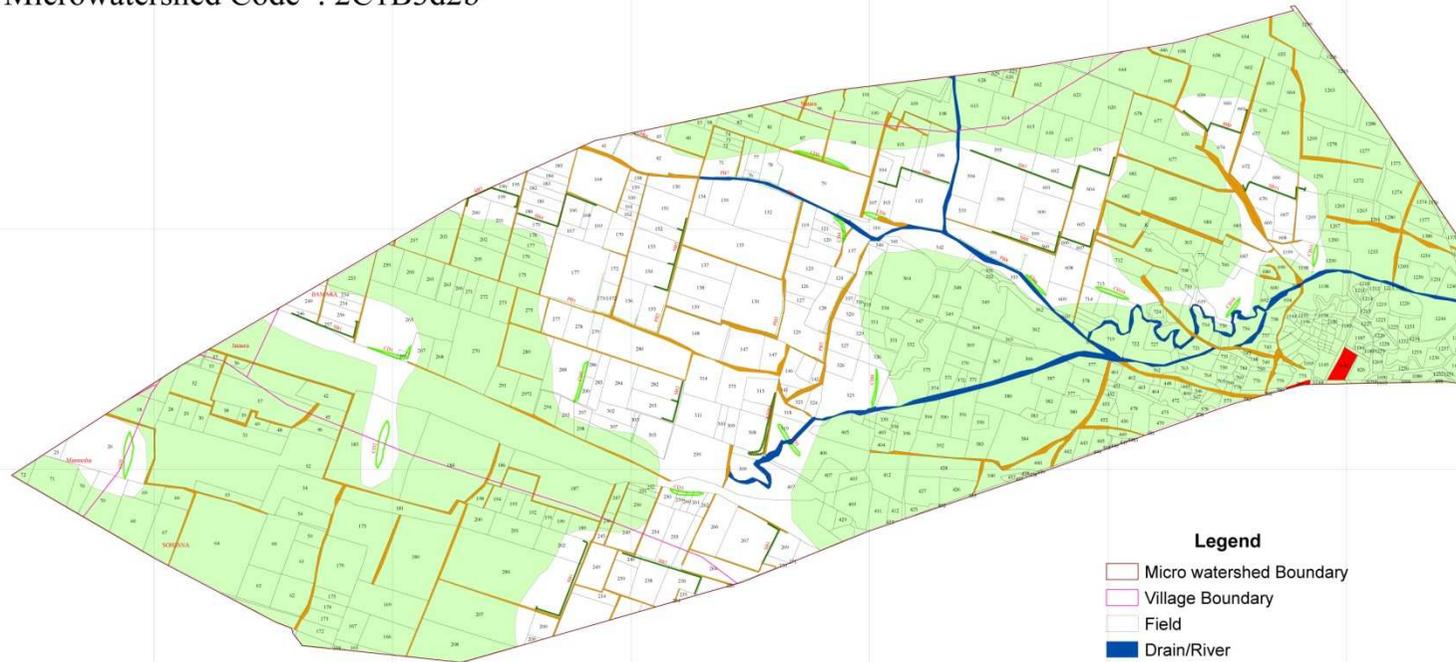
-  Micro watershed Boundary
-  Village Boundary
-  Field
-  Drain/River
-  Habitation
-  Kachha Road

0 0.15 0.3 0.6 0.9 1.2  
Kilometers

SDA  
BHOB

# TREATED AREA AND PROPOSED PLAN MAP

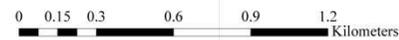
IWMP :XIX  
 District : Mahoba  
 Microwatershed Name : Bamrara  
 Microwatershed Code : 2C1B3d2b



### Legend

- Micro watershed Boundary
- Village Boundary
- Field
- Drain/River
- Habitation
- Kachha Road
- Planning**
- Chack Dam
- Peripheral Bund
- Submerge Bund
- water Harvesting Bund
- Already Treated Area

Total Geographical Area :704.47 ha  
 RBC Area :154.98 ha  
 Treatable Area :256 ha  
 Cultivated Area :549.48 ha



# CADASTRAL MAP

IWMP : XIX  
District Name : Mahoba  
Microwatershed Code : 2C1B3d2c  
Microwatershed Name : Itawa

Total Geographical Area - 770.2 ha



## Legend

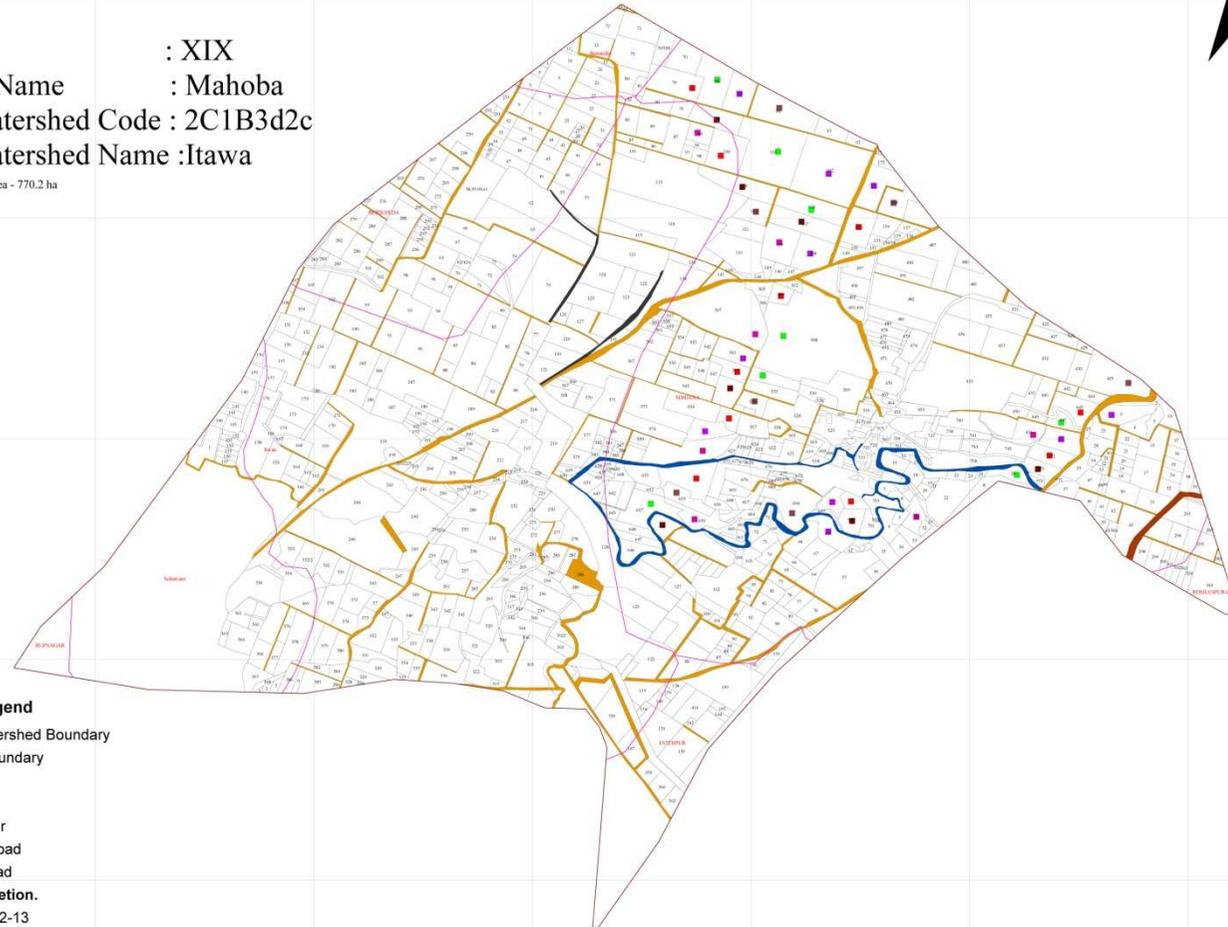
-  Micro-watershed Boundary
-  Village Boundary
-  Field
-  Bund
-  Drain/River
-  Kachha Road
-  Pucca Road

0 0.125 0.25 0.5 0.75 1 Kilometers

# PARTICIPATRY CROP DEMOSTRATION TRIALS

IWMP : XIX  
District Name : Mahoba  
Microwatershed Code : 2C1B3d2c  
Microwatershed Name : Itawa

Total Geographical Area - 770.2 ha



## Legend

- Micro-watershed Boundary
- Village Boundary
- Field
- Bund
- Drain/River
- Kachha Road
- Pucca Road

## Crop dimonasetion.

- Kharif 2012-13
- Kharif 2013-14
- Kharif 2014-15
- Rabi 2012-13
- Rabi 2013-14
- Rabi 2014-15

0 0.125 0.25 0.5 0.75 1 Kilometers

# LANDUSE MAP

IWMP : XIX  
District Name : Mahoba  
Microwatershed Code : 2C1B3d2c  
Microwatershed Name : Itawa

Total Geographical Area - 770.2 ha



### Legend

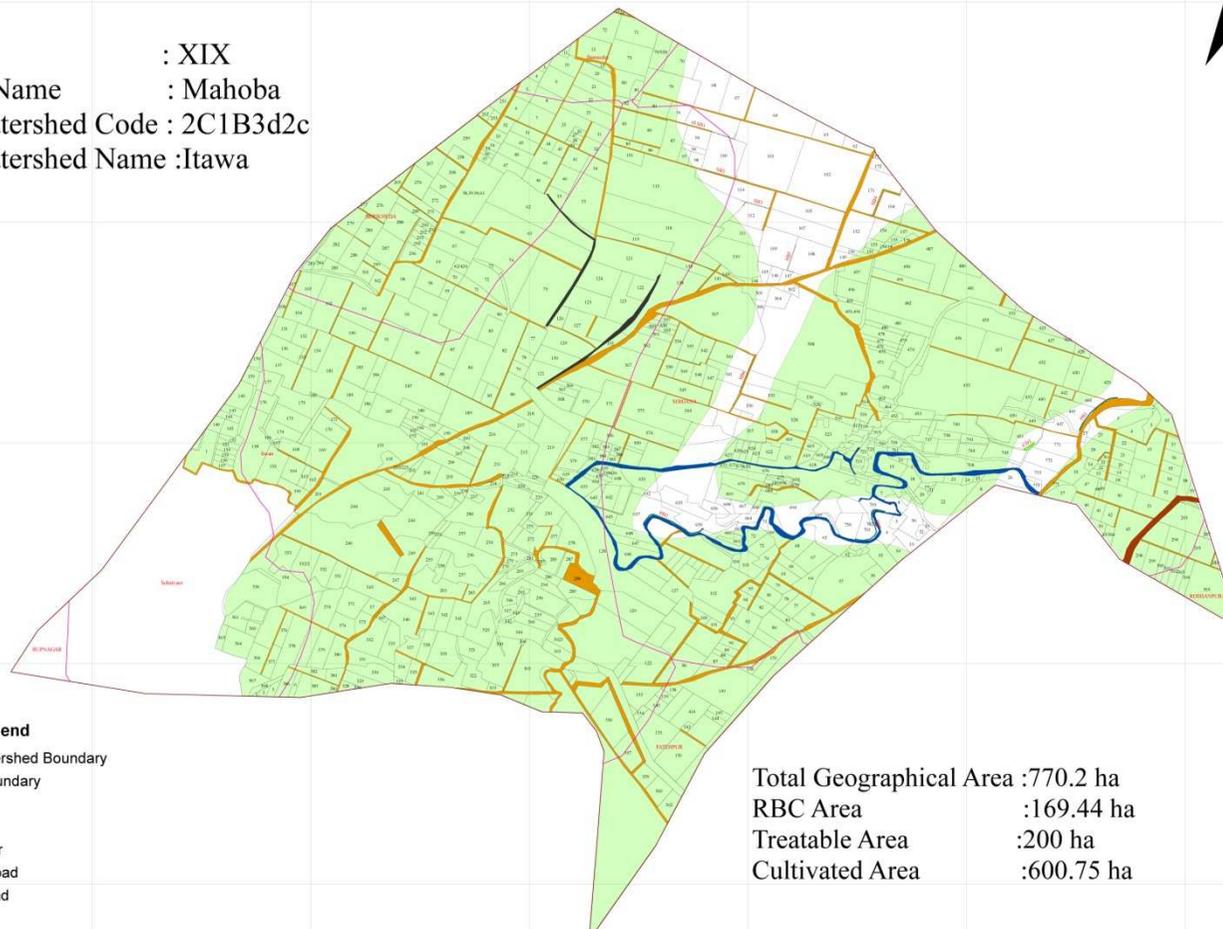
-  Micro-watershed Boundary
-  Village Boundary
-  Field
-  Bund
-  Drain/River
-  Kachha Road
-  Pucca Road

0 0.125 0.25 0.5 0.75 1 Kilometers

# TREATED AREA AND PROPOSED PLAN MAP



IWMP : XIX  
 District Name : Mahoba  
 Microwatershed Code : 2C1B3d2c  
 Microwatershed Name : Itawa



- Legend**
- Micro-watershed Boundary
  - Village Boundary
  - Field
  - Bund
  - Drain/River
  - Kachha Road
  - Pucca Road
- Planning.**
- Type**
- Chack Dam
  - Peripheral Bund
  - Submerge Bund
  - Already Treted Area.

Total Geographical Area :770.2 ha  
 RBC Area :169.44 ha  
 Treatable Area :200 ha  
 Cultivated Area :600.75 ha



# CADASTRAL MAP

IWMP

:XIX

District

: Mahoba

Microwatershed Name :Majhol

Microwatershed Code : 2C1B3d2d

Total Geographical Area - 532.74



### Legend

-  Micro-watershed Boundary
-  Village boundary
-  Drain/River
-  Forest
-  Kachha Road
-  Pucca Road
-  Hill



# PARTICIPATRY CROP DEMOSTRATION TRIALS

IWMP :XIX  
District : Mahoba  
Microwatershed Name :Majhol  
Microwatershed Code : 2C1B3d2d



Total Geographical Area - 532.74



### Legend

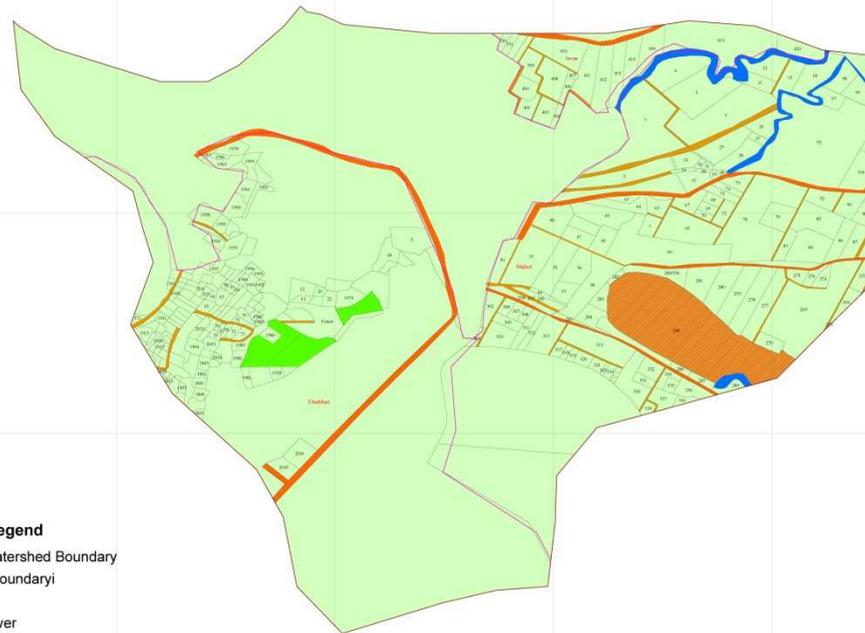
- Micro-watershed Boundary
- Village boundary
- Drain/River
- Forest
- Kachha Road
- Pucca Road
- Hill
- Crop dimonasetion.**
- Kharif 2012-13
- Kharif 2013-14
- Kharif 2014-15
- Rabi 2012-13
- Rabi 2013-14
- Rabi 2014-15



# LANDUSE MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name :Majhol  
Microwatershed Code : 2C1B3d2d

Total Geographical Area - 532.74



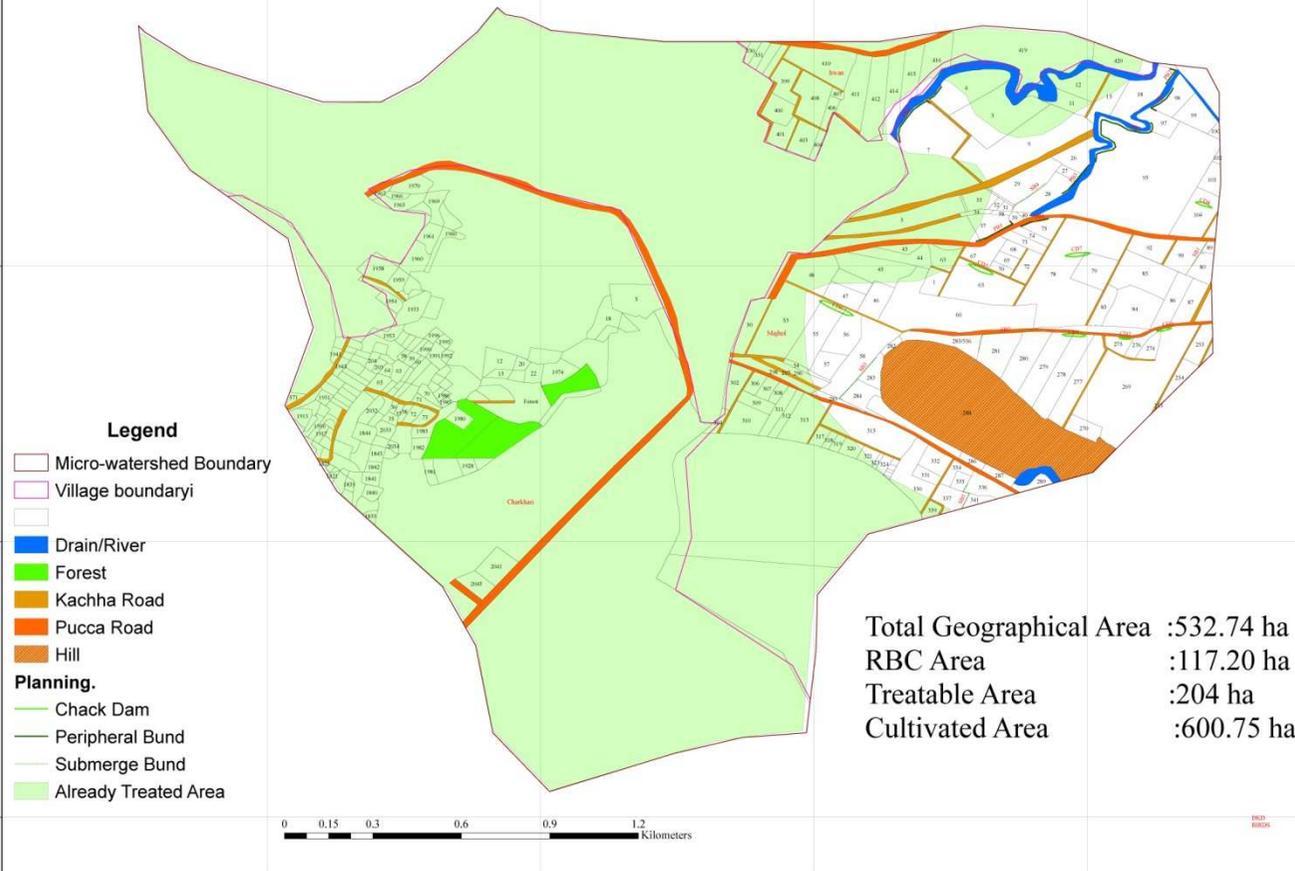
## Legend

- Micro-watershed Boundary
- Village boundary
- Drain/River
- Forest
- Kachha Road
- Pucca Road
- Hill

0 0.2 0.4 0.8 1.2 1.6 Kilometers

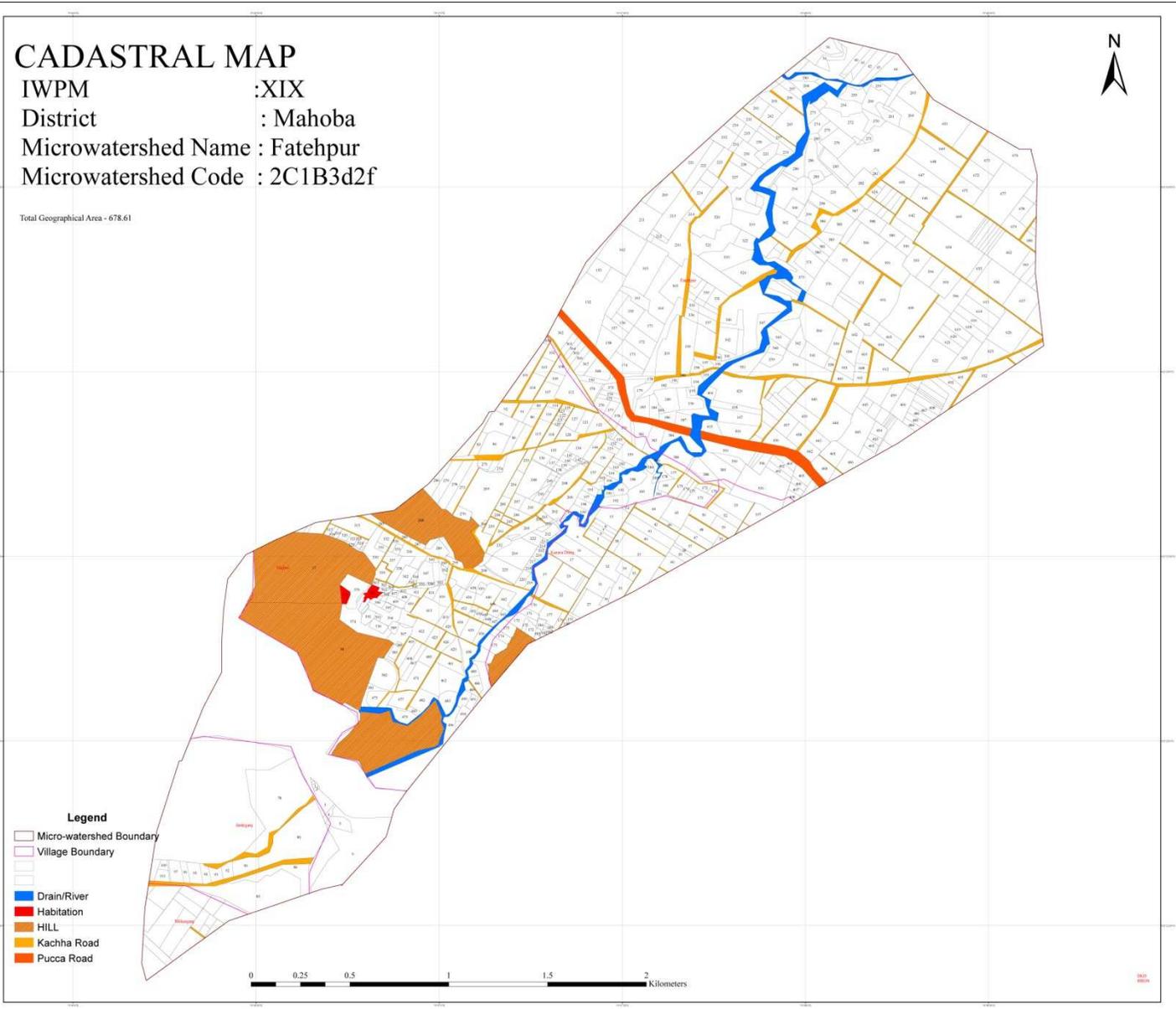
# TREATED AREA AND PROPOSED PLAN MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name :Majhol  
Microwatershed Code : 2C1B3d2d



**CADASTRAL MAP**  
IWPM :XIX  
District : Mahoba  
Microwatershed Name : Fatehpur  
Microwatershed Code : 2C1B3d2f

Total Geographical Area - 678.61



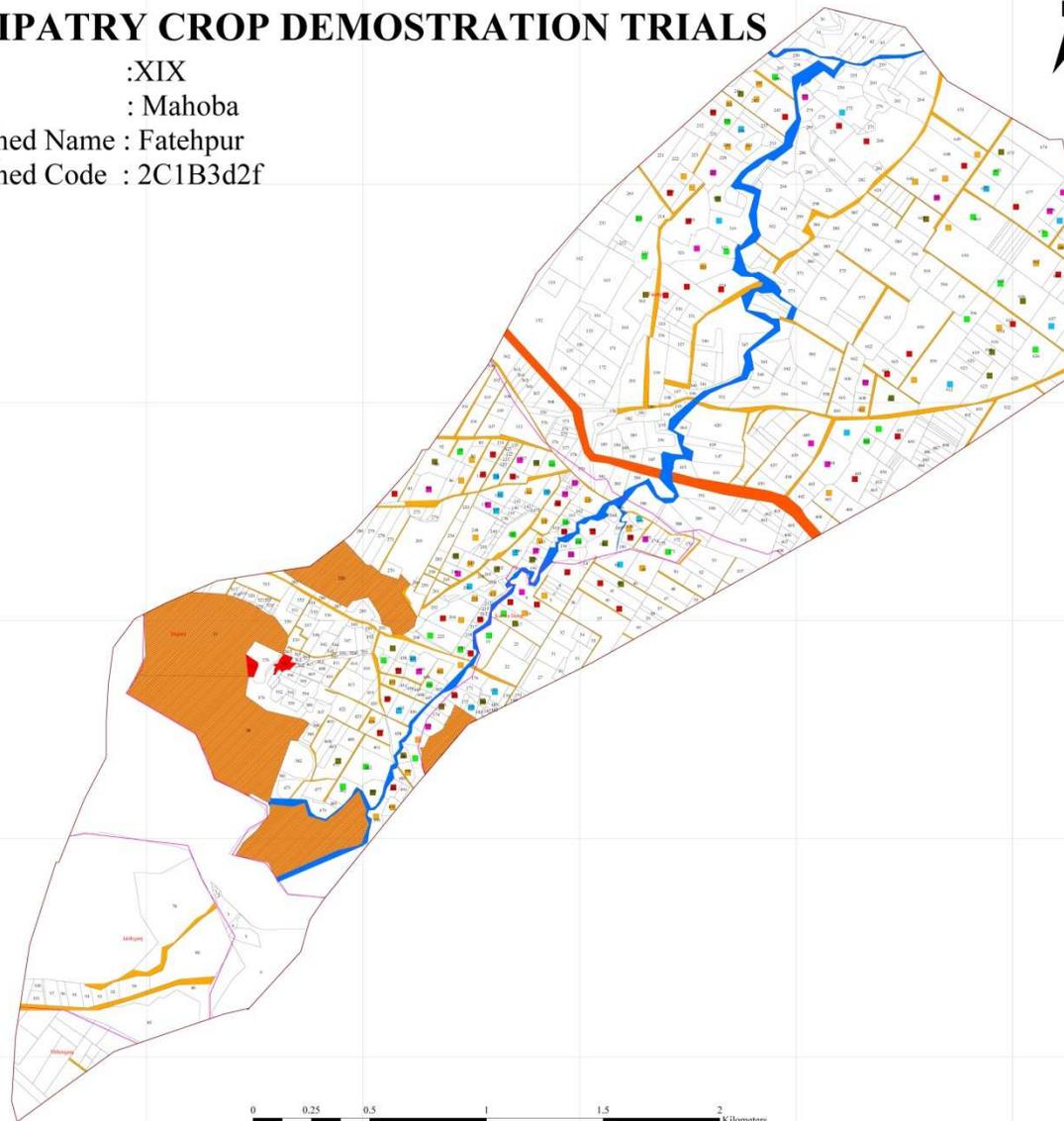
# PARTICIPATRY CROP DEMOSTRATION TRIALS

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Fatehpur  
Microwatershed Code : 2C1B3d2f

Total Geographical Area - 678.61



- Legend**
- Micro-watershed Boundary
  - Village Boundary
  - Drain/River
  - Habitation
  - HILL
  - Kachha Road
  - Pucca Road
  - Crop dimonasetion.**
  - Kharif 2012-13
  - Kharif 2013-14
  - Kharif 2014-15
  - Rabi 2012-13
  - Rabi 2013-14
  - Rabi 2014-15



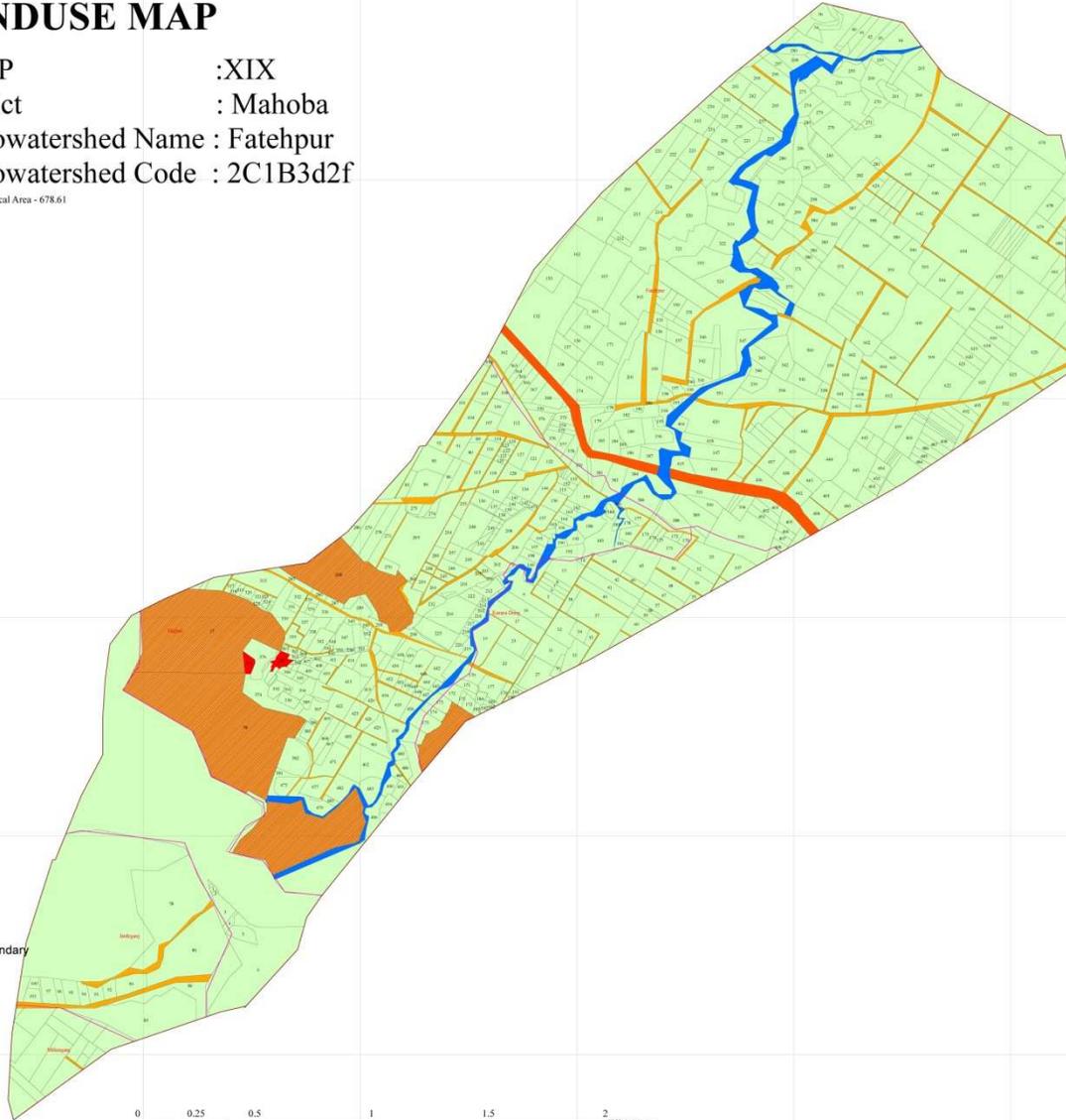
# LANDUSE MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Fatehpur  
Microwatershed Code : 2C1B3d2f

Total Geographical Area - 678.61



- Legend**
-  Micro-watershed Boundary
  -  Village Boundary
  -      
  -  Drain/River
  -  Habitation
  -  HILL
  -  Kachha Road
  -  Pucca Road



0 0.25 0.5 1 1.5 2 Kilometers

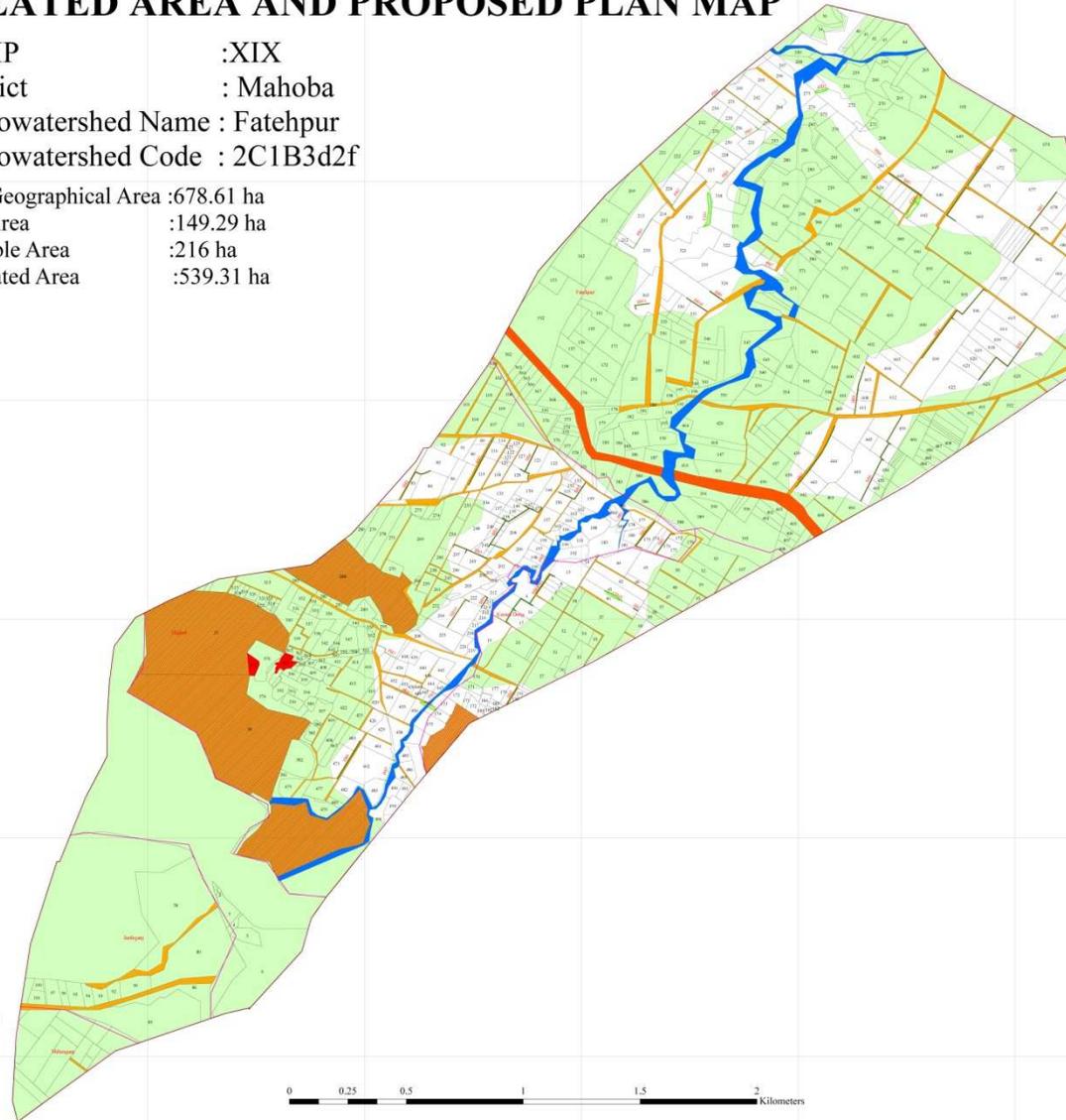
# TREATED AREA AND PROPOSED PLAN MAP

IWMP :XIX  
 District : Mahoba  
 Microwatershed Name : Fatehpur  
 Microwatershed Code : 2C1B3d2f

Total Geographical Area :678.61 ha  
 RBC Area :149.29 ha  
 Treatable Area :216 ha  
 Cultivated Area :539.31 ha



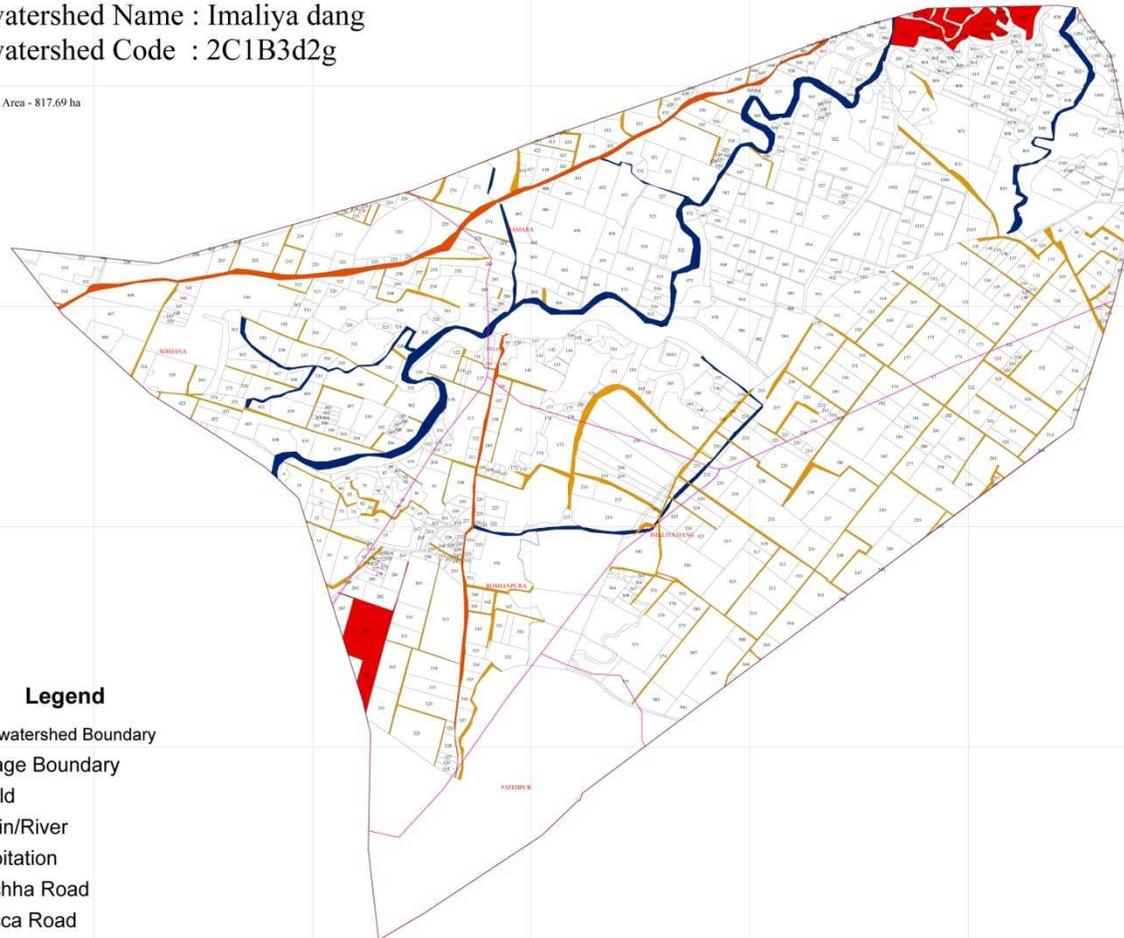
- Legend**
- Micro-watershed Boundary
  - Village Boundary
  - Drain/River
  - Habitation
  - HILL
  - Kachha Road
  - Pucca Road
  - Planning.**
  - Chack Dam
  - Marginal Bund/Peripheral Bund
  - Peripheral Bund
  - Submerge Bund
  - Already Treated Area



# CADASTRAL MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Imaliya dang  
Microwatershed Code : 2C1B3d2g

Total Geographical Area - 817.69 ha



## Legend

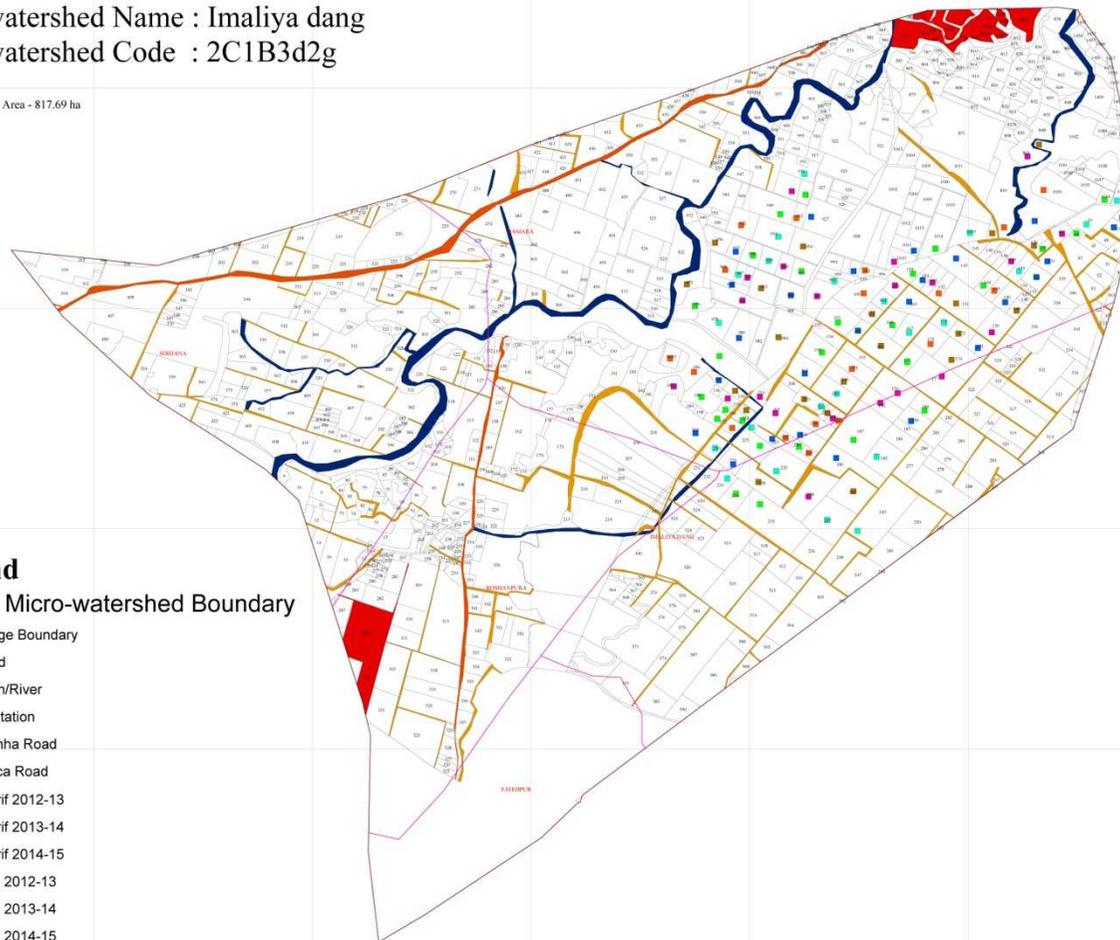
-  Micro-watershed Boundary
-  Village Boundary
-  Field
-  Drain/River
-  Habitation
-  Kachha Road
-  Pucca Road

0 0.15 0.3 0.6 0.9 1.2 Kilometers

# PARTICIPATRY CROP DEMOSTRATION TRIALS

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Imaliya dang  
Microwatershed Code : 2C1B3d2g

Total Geographical Area - 817.69 ha



## Legend

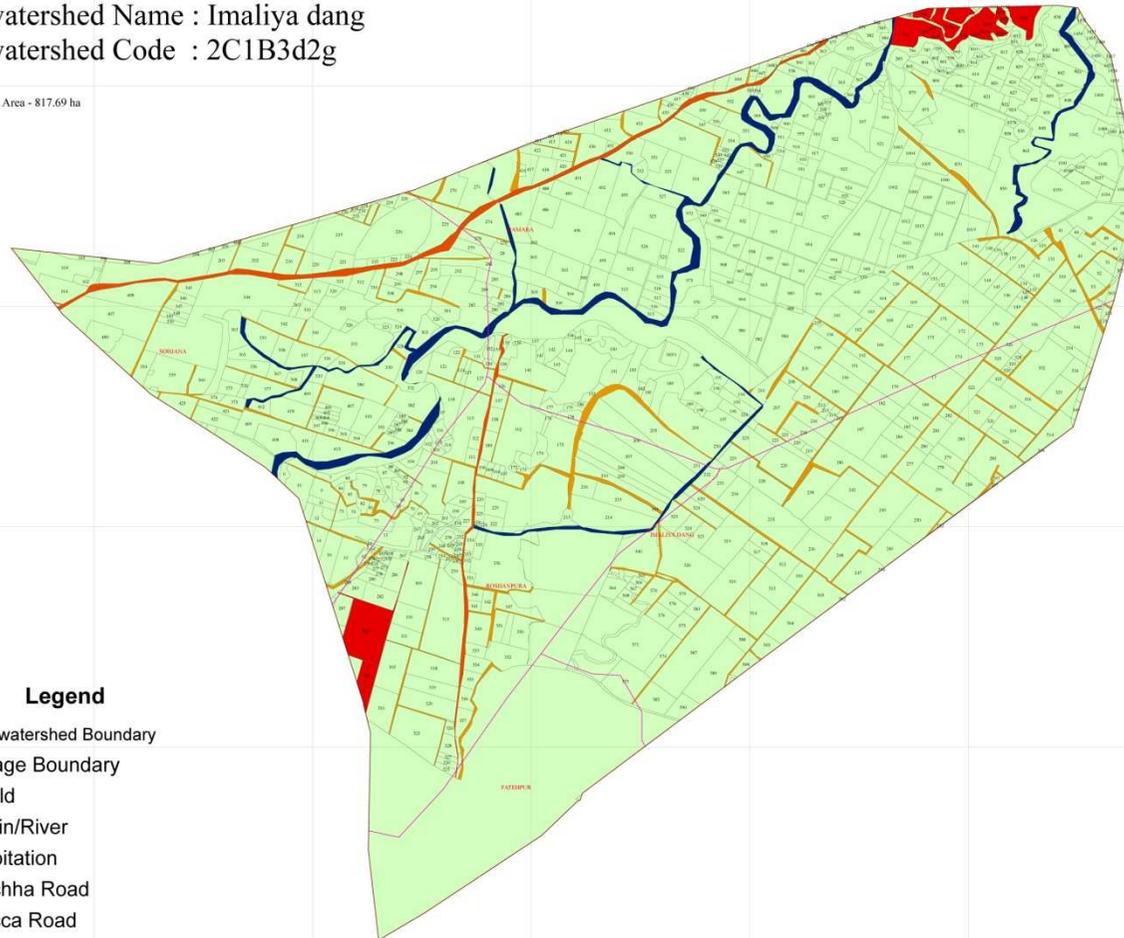
-  Micro-watershed Boundary
-  Village Boundary
-  Field
-  Drain/River
-  Habitation
-  Kachha Road
-  Pucca Road
-  Kharif 2012-13
-  Kharif 2013-14
-  Kharif 2014-15
-  Rabi 2012-13
-  Rabi 2013-14
-  Rabi 2014-15



# LANDUSE MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Imaliya dang  
Microwatershed Code : 2C1B3d2g

Total Geographical Area - 817.69 ha



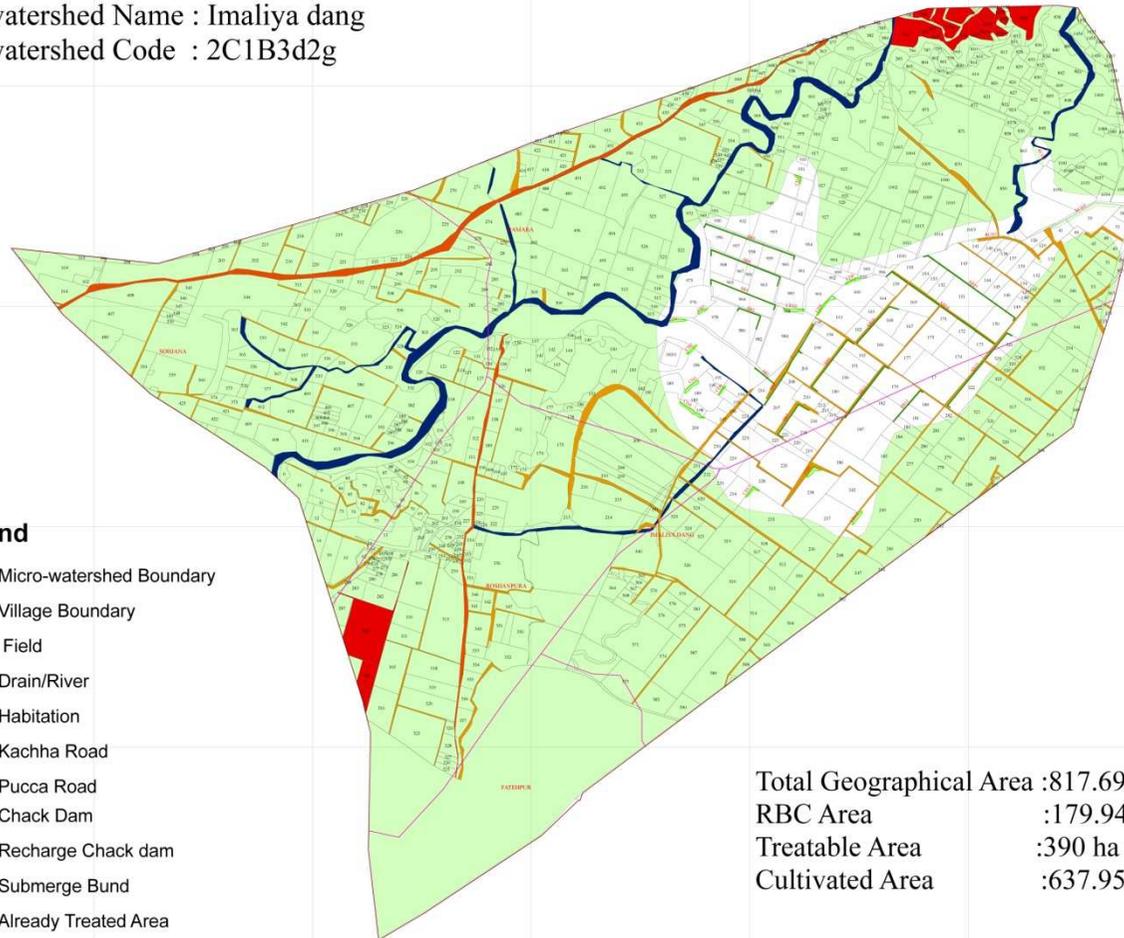
## Legend

-  Micro-watershed Boundary
-  Village Boundary
-  Field
-  Drain/River
-  Habitation
-  Kachha Road
-  Pucca Road



# TREATED AREA AND PROPOSED PLAN MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Imaliya dang  
Microwatershed Code : 2C1B3d2g

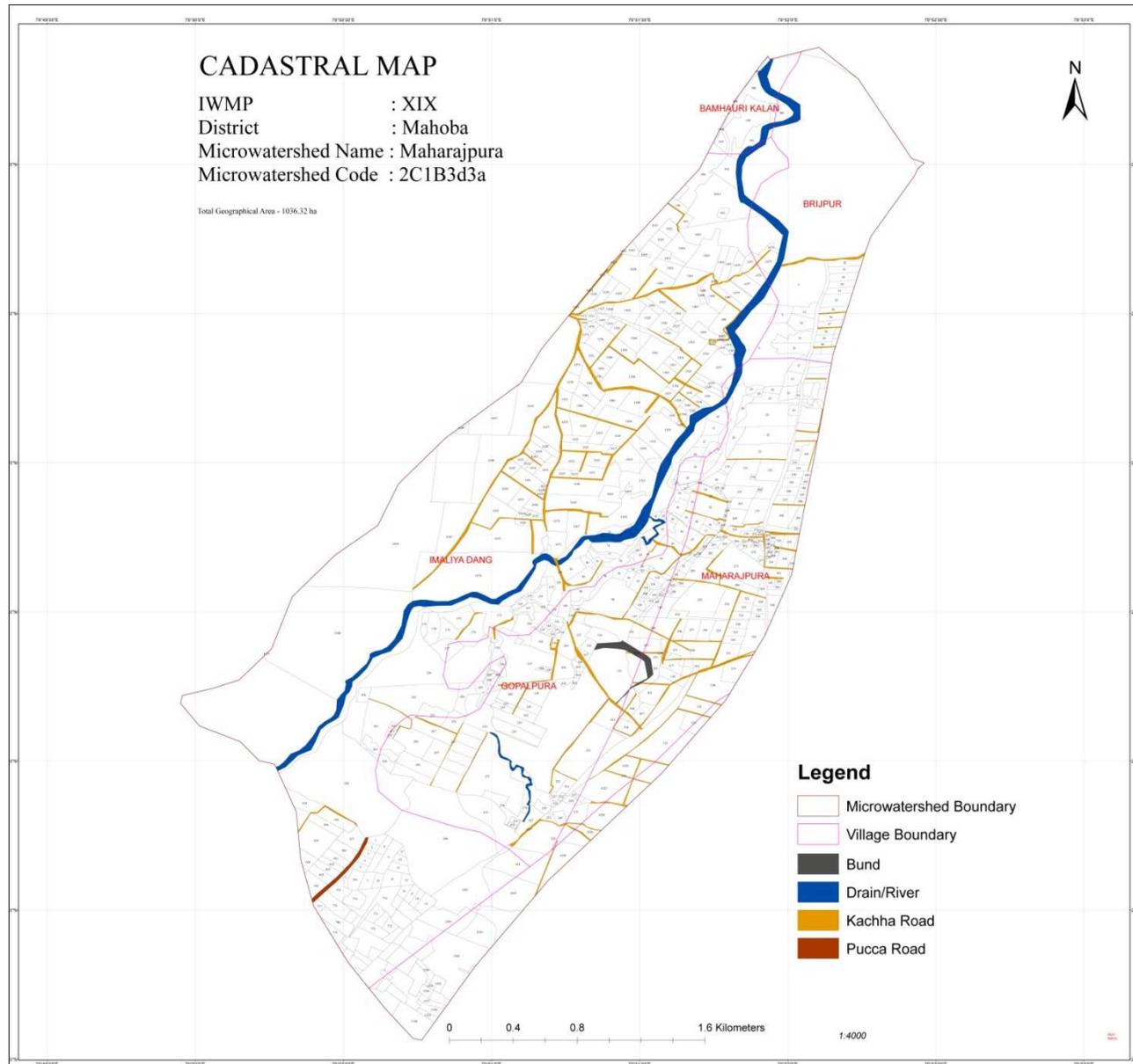


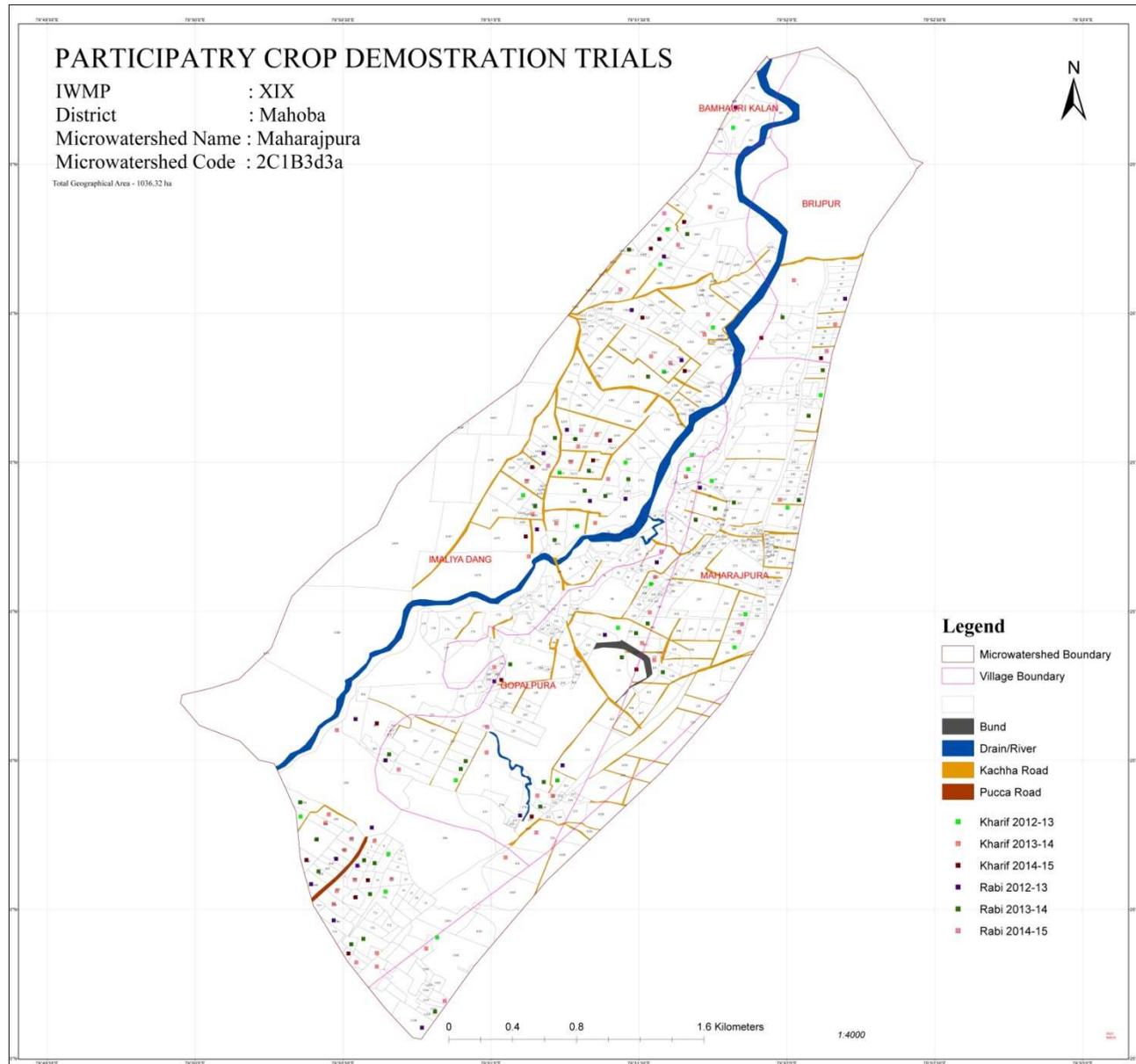
## Legend

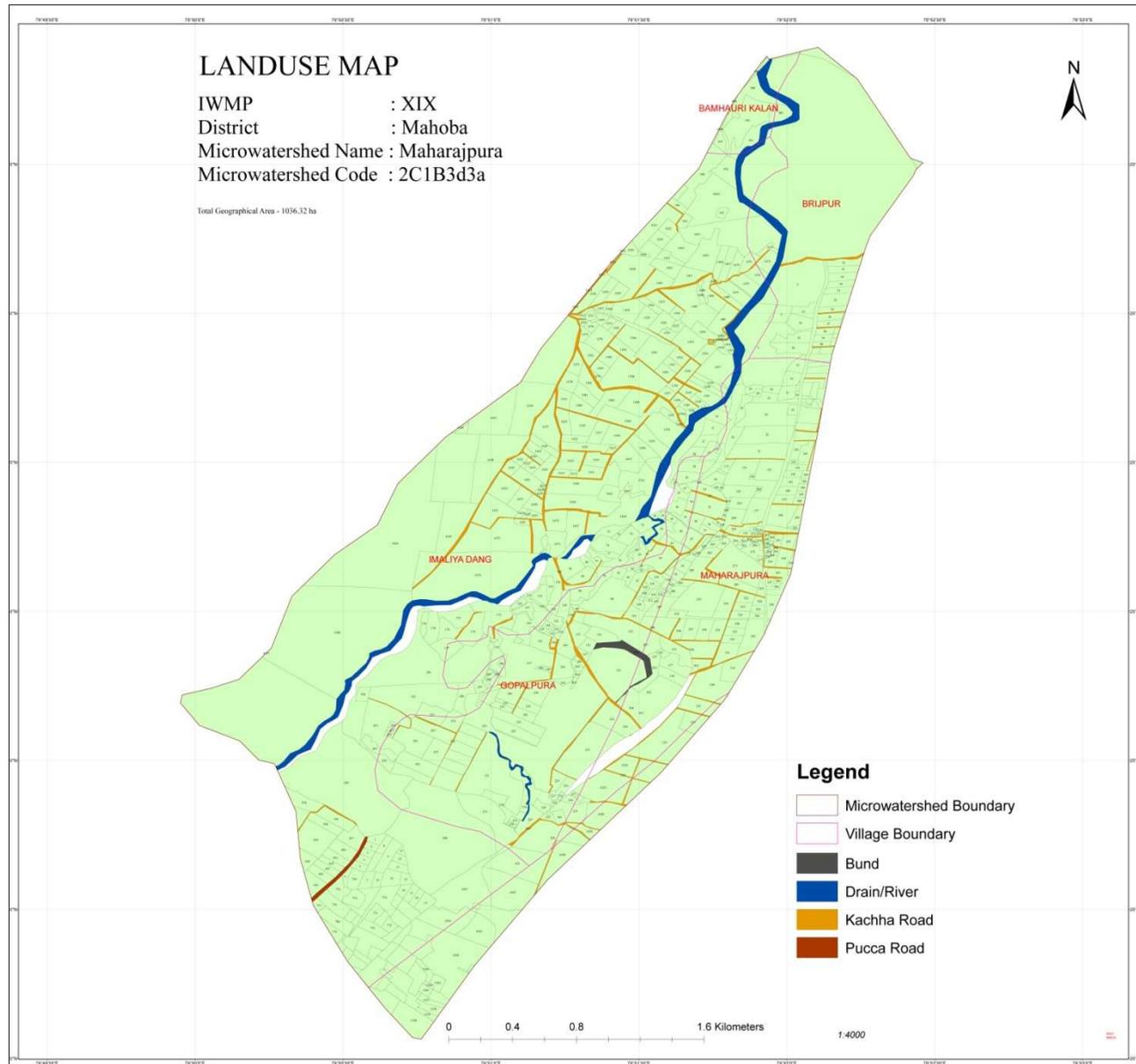
-  Micro-watershed Boundary
-  Village Boundary
-  Field
-  Drain/River
-  Habitation
-  Kachha Road
-  Pucca Road
-  Chack Dam
-  Recharge Chack dam
-  Submerge Bund
-  Already Treated Area

Total Geographical Area :817.69 ha  
RBC Area :179.94 ha  
Treatable Area :390 ha  
Cultivated Area :637.95 ha





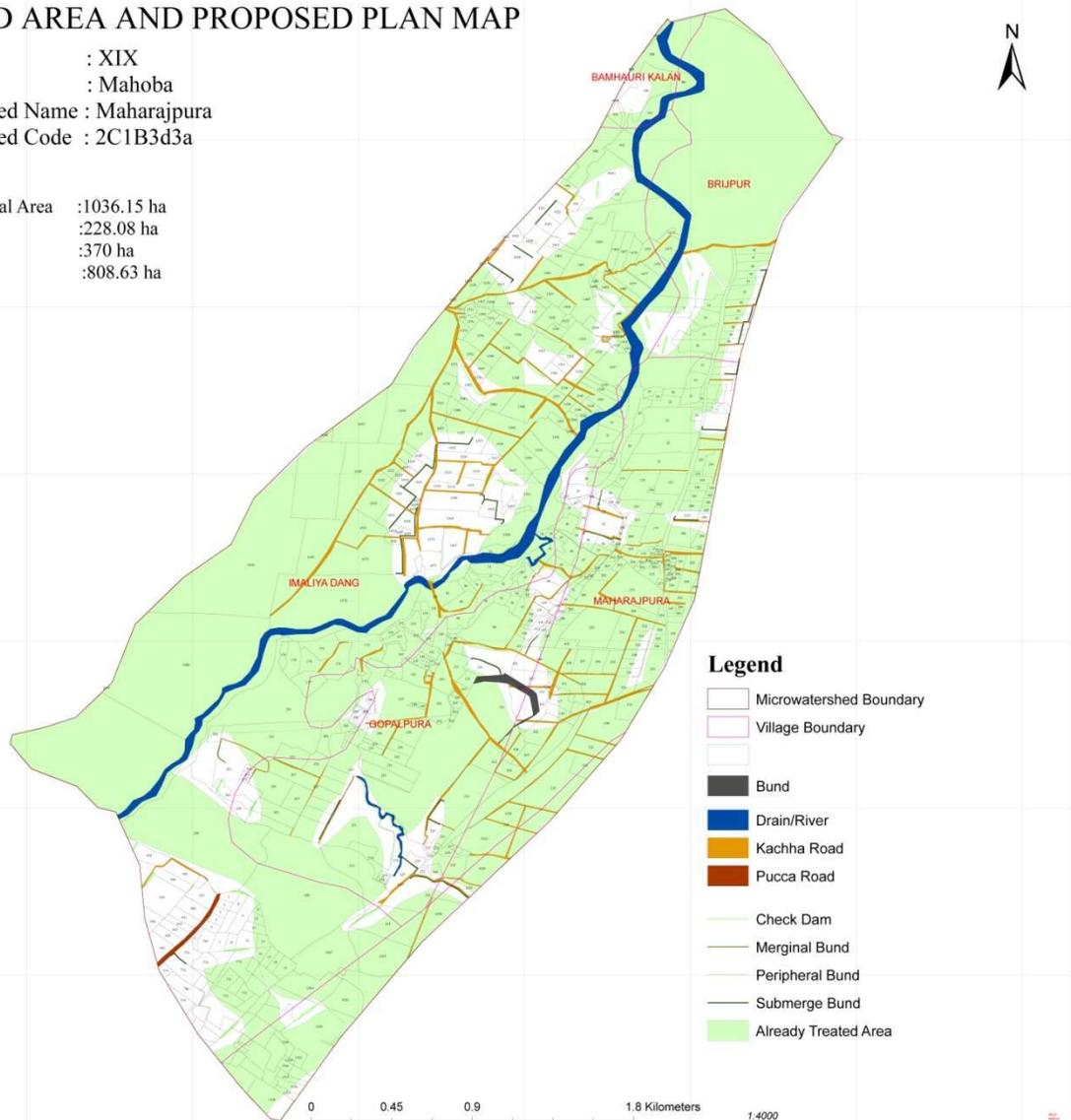




## TREATED AREA AND PROPOSED PLAN MAP

IWMP : XIX  
 District : Mahoba  
 Microwatershed Name : Maharajpura  
 Microwatershed Code : 2C1B3d3a

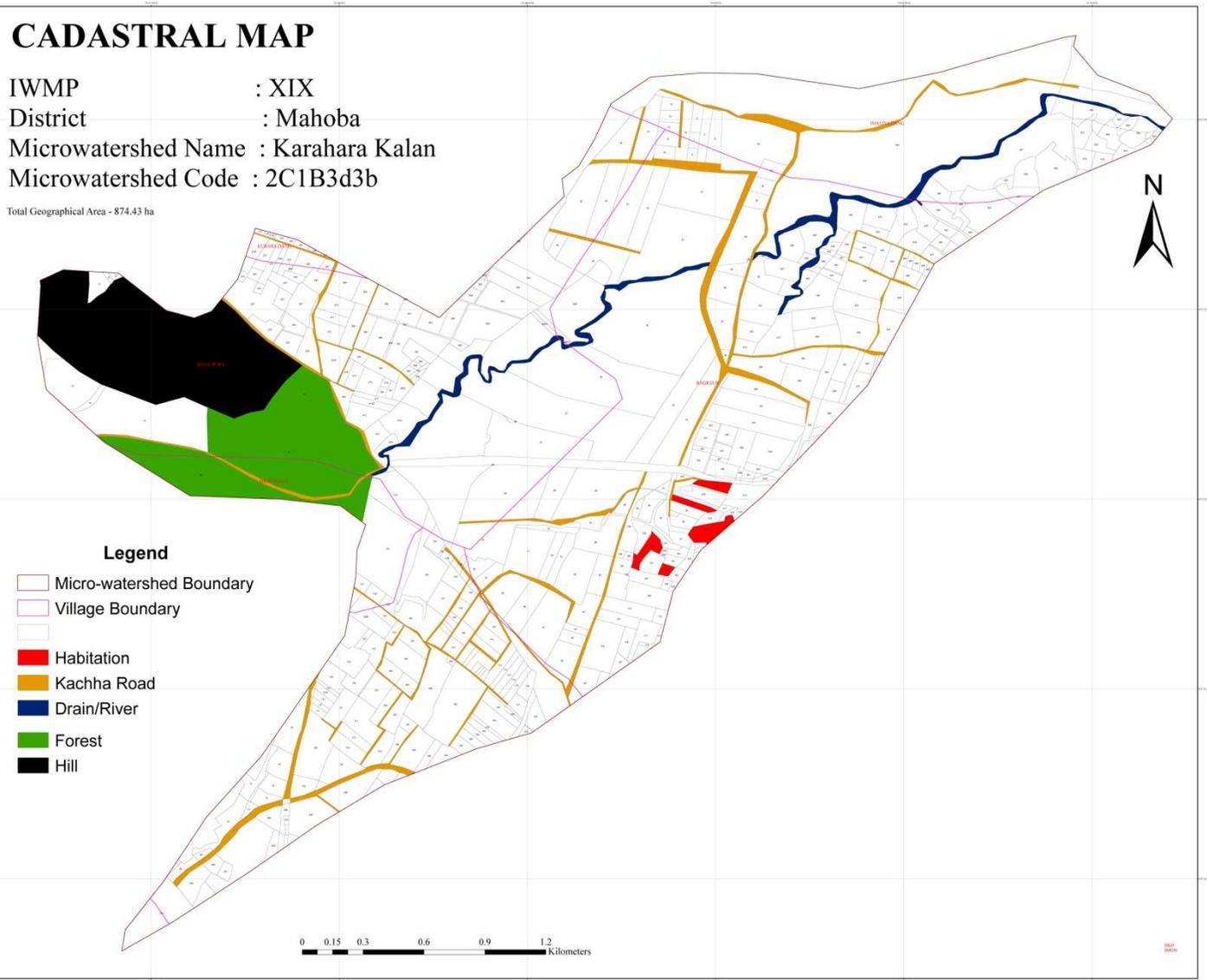
Total Geographical Area : 1036.15 ha  
 RBC Area : 228.08 ha  
 Treatable Area : 370 ha  
 Cultivated Area : 808.63 ha



# CADASTRAL MAP

IWMP : XIX  
District : Mahoba  
Microwatershed Name : Karahara Kalan  
Microwatershed Code : 2C1B3d3b

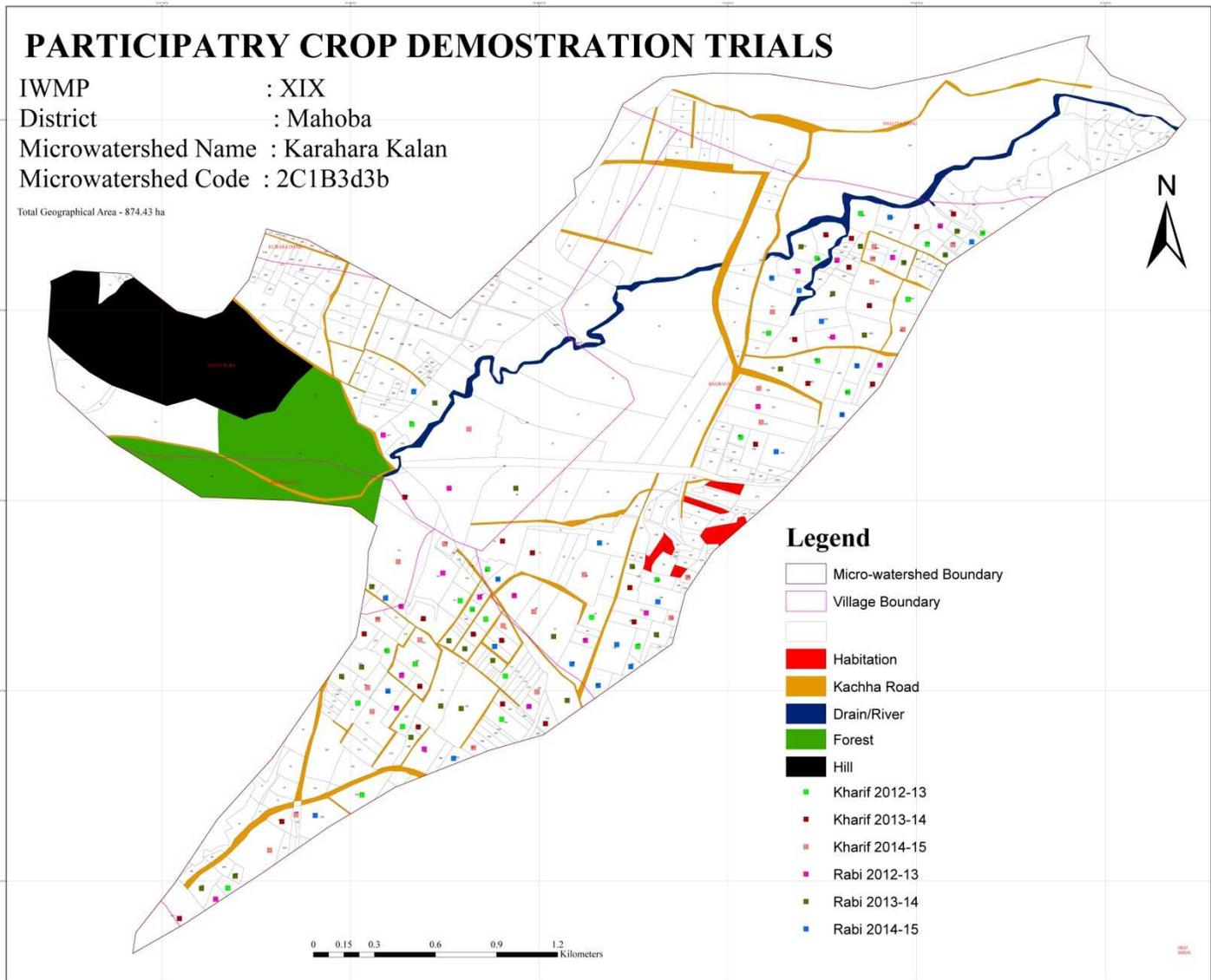
Total Geographical Area - 874.43 ha



# PARTICIPATRY CROP DEMOSTRATION TRIALS

IWMP : XIX  
District : Mahoba  
Microwatershed Name : Karahara Kalan  
Microwatershed Code : 2C1B3d3b

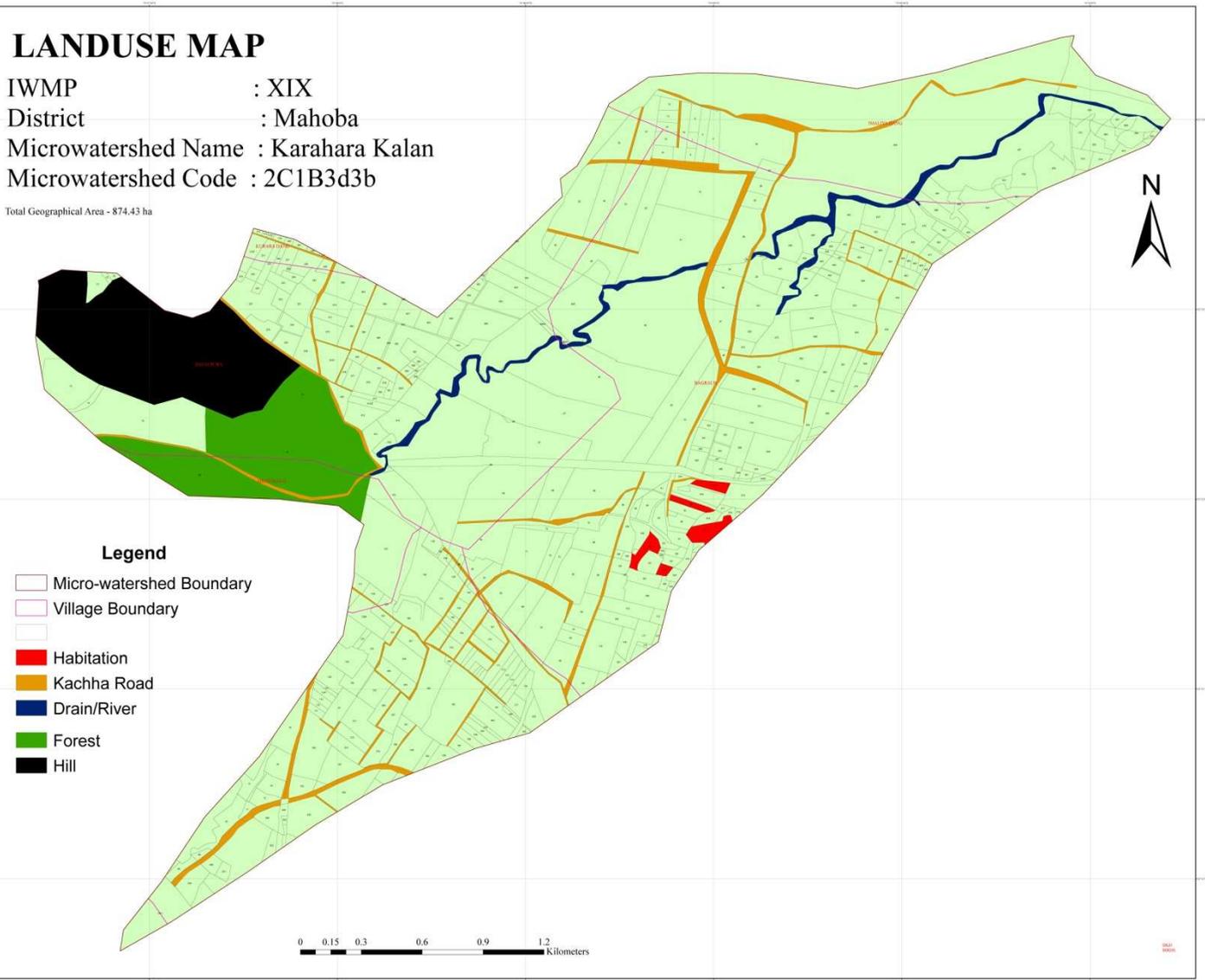
Total Geographical Area - 874.43 ha



# LANDUSE MAP

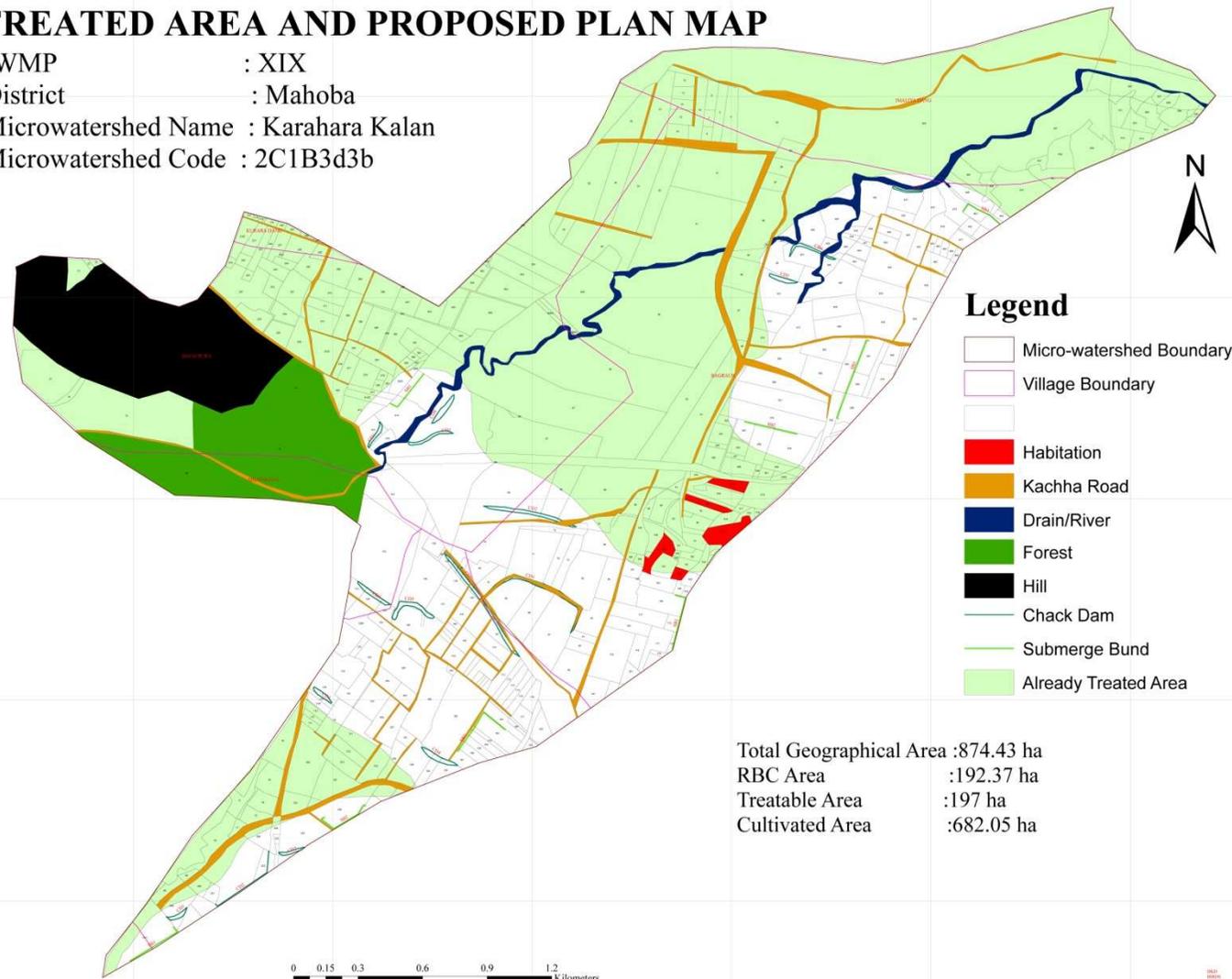
IWMP : XIX  
District : Mahoba  
Microwatershed Name : Karahara Kalan  
Microwatershed Code : 2C1B3d3b

Total Geographical Area - 874.43 ha



# TREATED AREA AND PROPOSED PLAN MAP

IWMP : XIX  
District : Mahoba  
Microwatershed Name : Karahara Kalan  
Microwatershed Code : 2C1B3d3b



## Legend

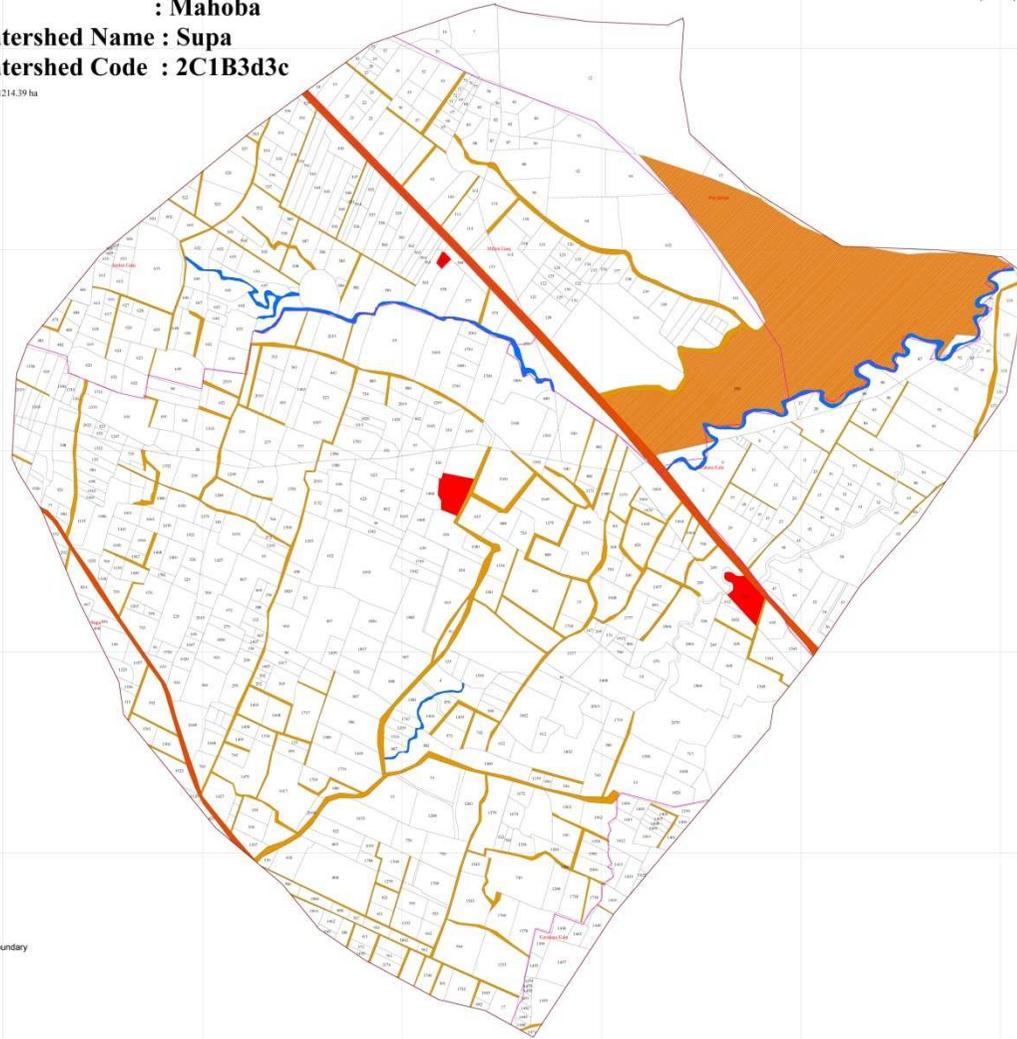
- Micro-watershed Boundary
- Village Boundary
- Habitation
- Kachha Road
- Drain/River
- Forest
- Hill
- Chack Dam
- Submerge Bund
- Already Treated Area

Total Geographical Area :874.43 ha  
RBC Area :192.37 ha  
Treatable Area :197 ha  
Cultivated Area :682.05 ha

# CADASTRAL MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Supa  
Microwatershed Code : 2C1B3d3c

Total Geographical Area - 1214.39 ha



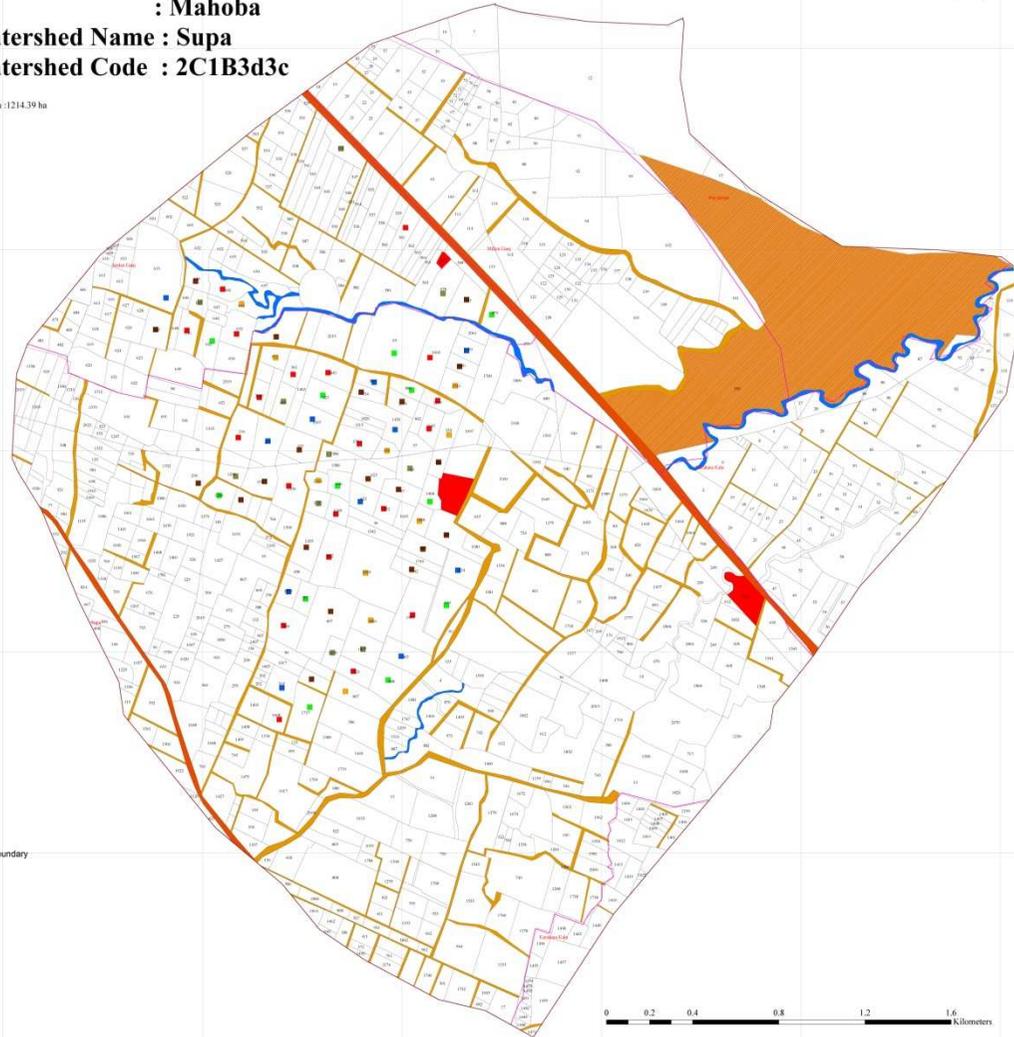
- Legend**
- Micro-watershed Boundary
  - Village Boundary
  - Drain/River
  - Habitation
  - Hill
  - Kachha Road
  - Pucca Road

0 0.2 0.4 0.8 1.2 1.6 Kilometers

# PARTICIPATRY CROP DEMOSTRATION TRIALS

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Supa  
Microwatershed Code : 2C1B3d3c

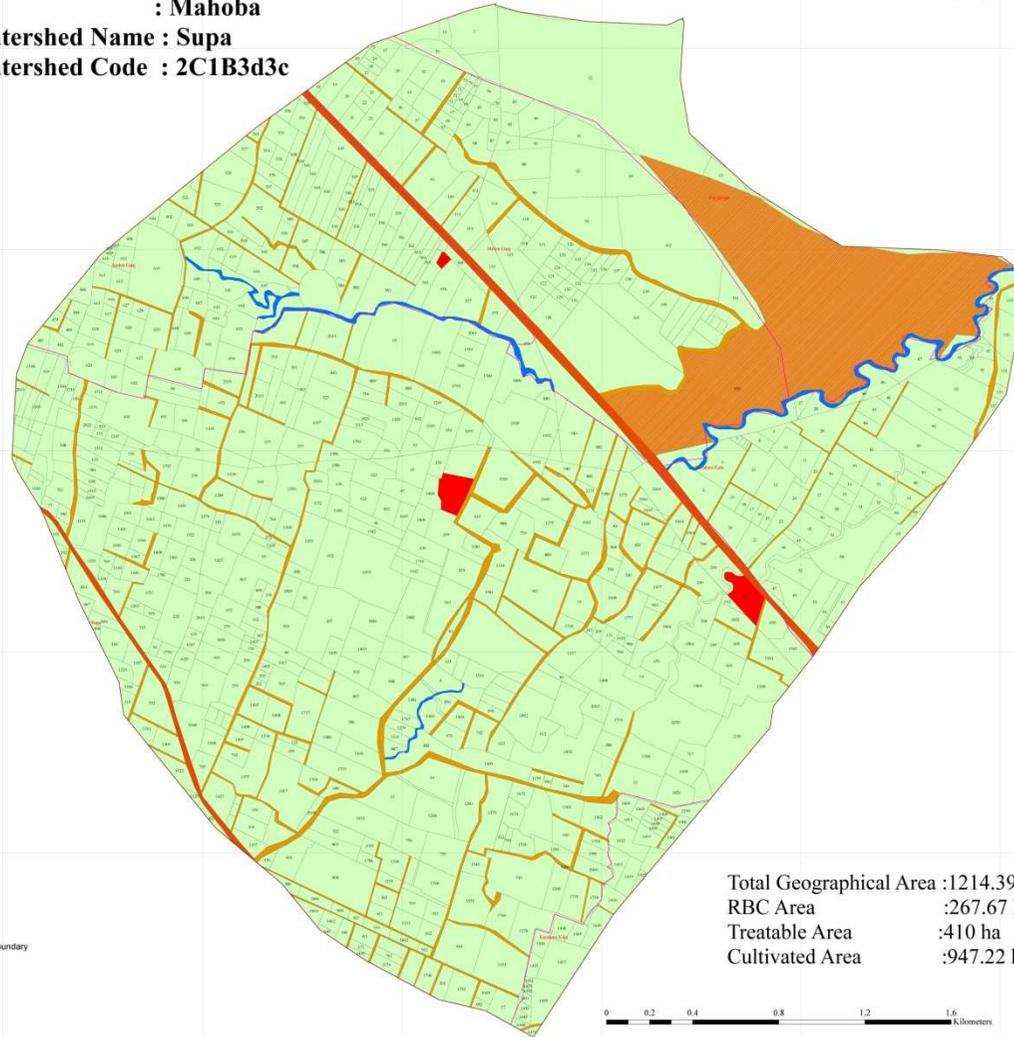
Total Geographical Area :1214.39 ha



- Legend**
- Micro-watershed Boundary
  - Village Boundary
  - Drain/River
  - Habitation
  - Hill
  - Kachha Road
  - Pucca Road
  - Crop dimonastion**
  - Kharrif 2012-13
  - Kharrif 2013-14
  - Kharrif 2014-15
  - Rabi 2012-13
  - Rabi 2013-14
  - Rabi 2014-15

# LANDUSE MAP

IWMP :XIX  
District : Mahoba  
Microwatershed Name : Supa  
Microwatershed Code : 2C1B3d3c



- Legend**
- Micro-watershed Boundary
  - Village Boundary
  - Cultivated Area
  - Drain/River
  - Habitation
  - Hill
  - Kachha Road
  - Pucca Road

Total Geographical Area :1214.39 ha  
RBC Area :267.67 ha  
Treatable Area :410 ha  
Cultivated Area :947.22 ha

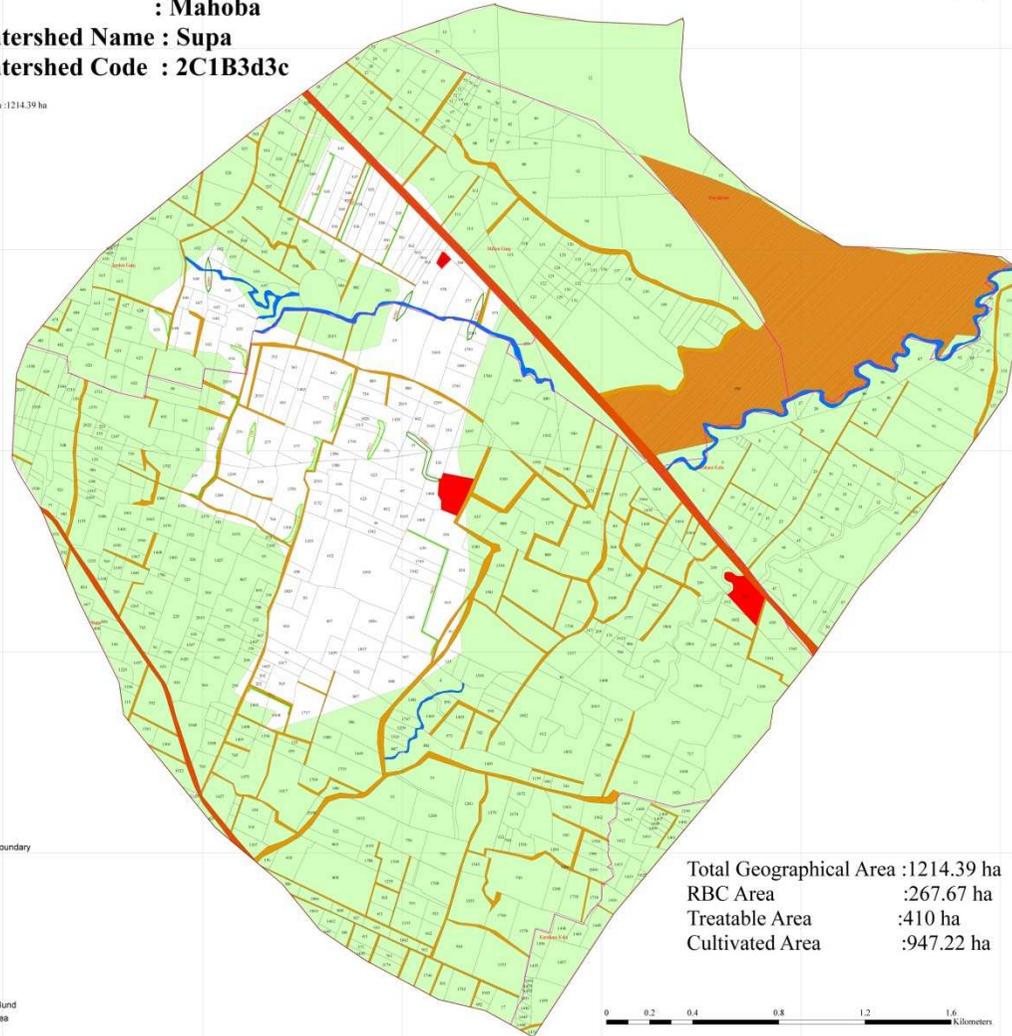


# TREATED AREA AND PROPOSED PLAN MAP

**IWMP** :XIX  
**District** : Mahoba  
**Microwatershed Name** : Supa  
**Microwatershed Code** : 2C1B3d3c



Total Geographical Area :1214.39 ha



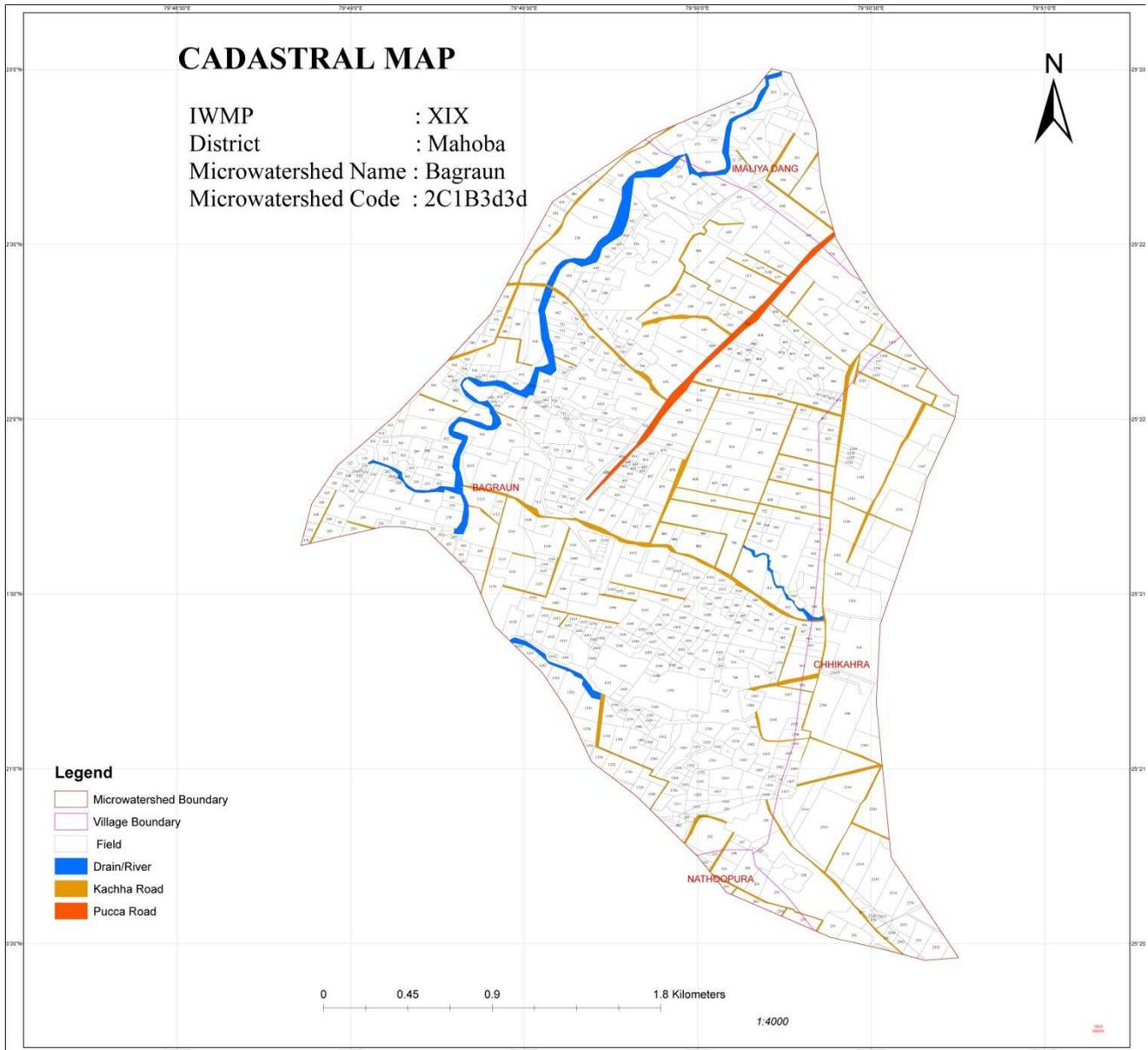
- Legend**
- Micro-watershed Boundary
  - Village Boundary
  - Drain/River
  - Habitation
  - Hill
  - Kachha Road
  - Pucca Road
  - Planning**
  - Check Dam
  - Submerge Bund
  - Water Harvesting Bund
  - Already Treated Area

Total Geographical Area :1214.39 ha  
RBC Area :267.67 ha  
Treatable Area :410 ha  
Cultivated Area :947.22 ha

0 0.2 0.4 0.8 1.2 1.6 Kilometers

# CADASTRAL MAP

IWMP : XIX  
District : Mahoba  
Microwatershed Name : Bagraun  
Microwatershed Code : 2C1B3d3d



## Legend

- Microwatershed Boundary
- Village Boundary
- Field
- Drain/River
- Kachha Road
- Pucca Road

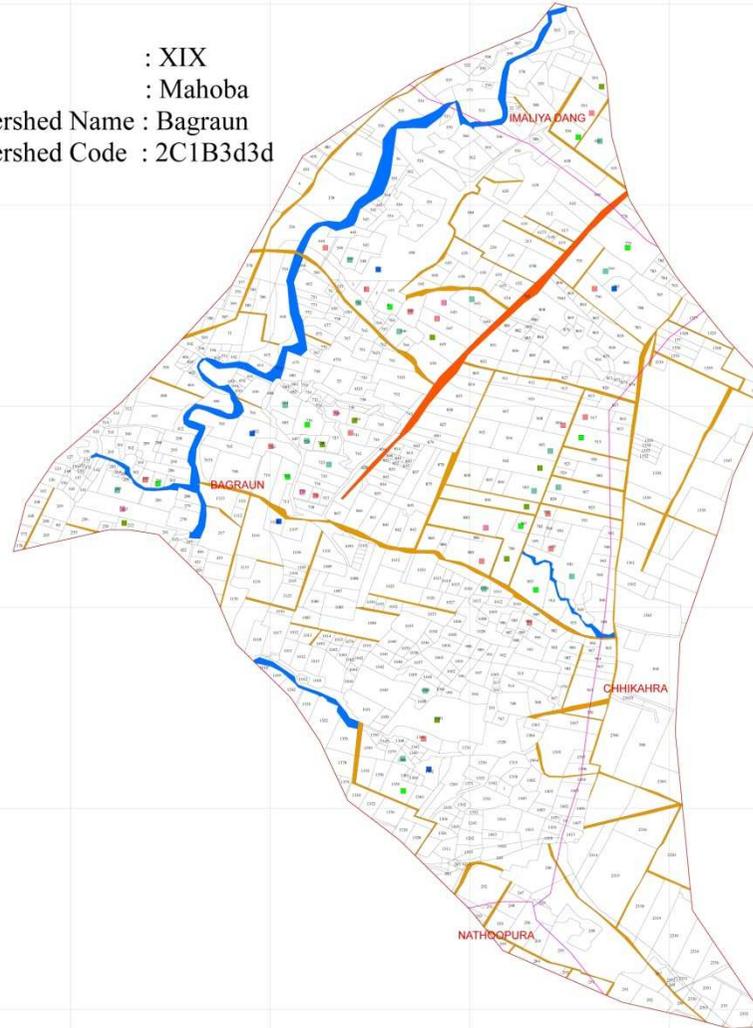
# PARTICIPATRY CROP DEMOSTRATION TRIALS

IWMP : XIX  
District : Mahoba  
Microwatershed Name : Bagraun  
Microwatershed Code : 2C1B3d3d



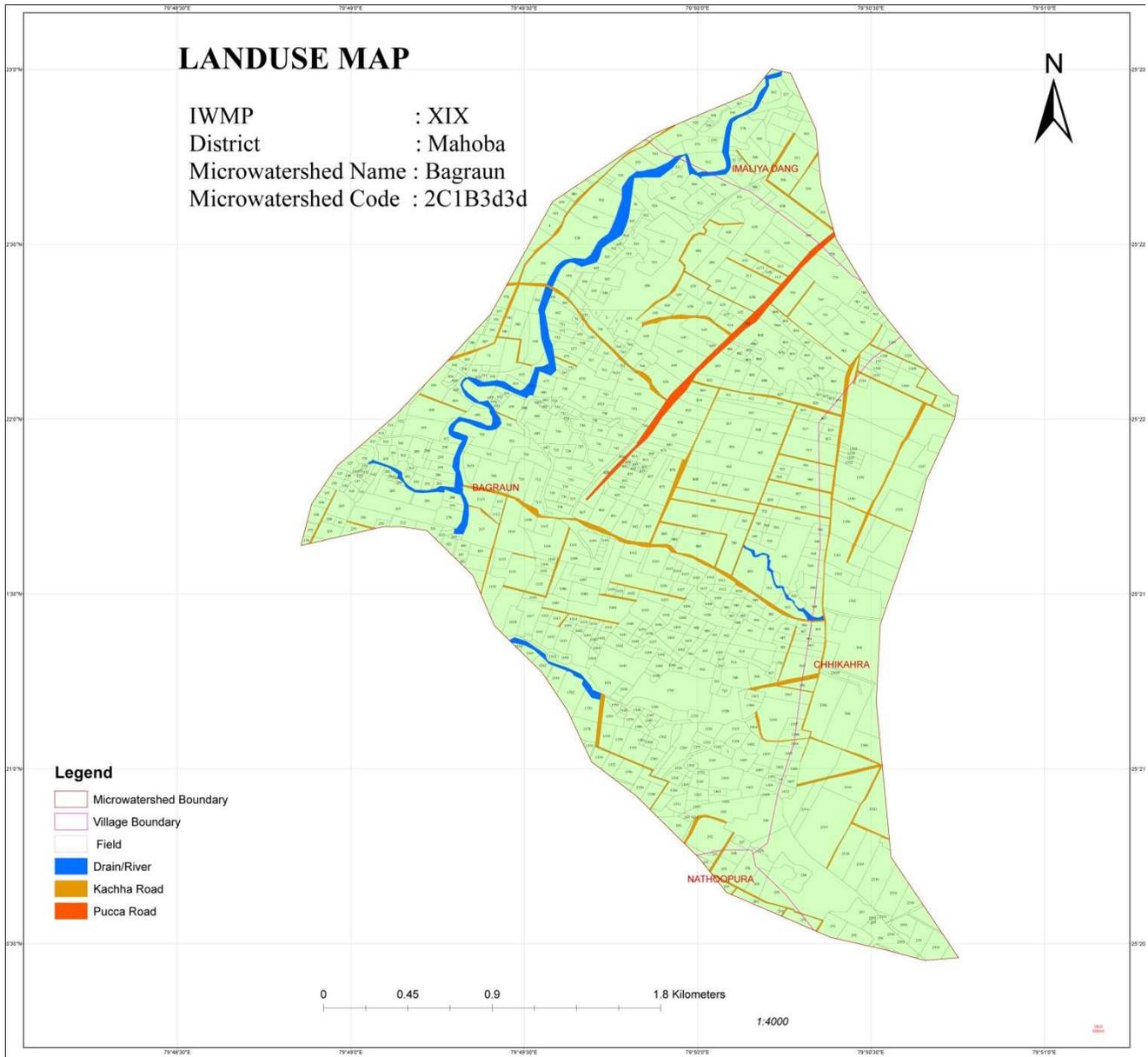
## Legend

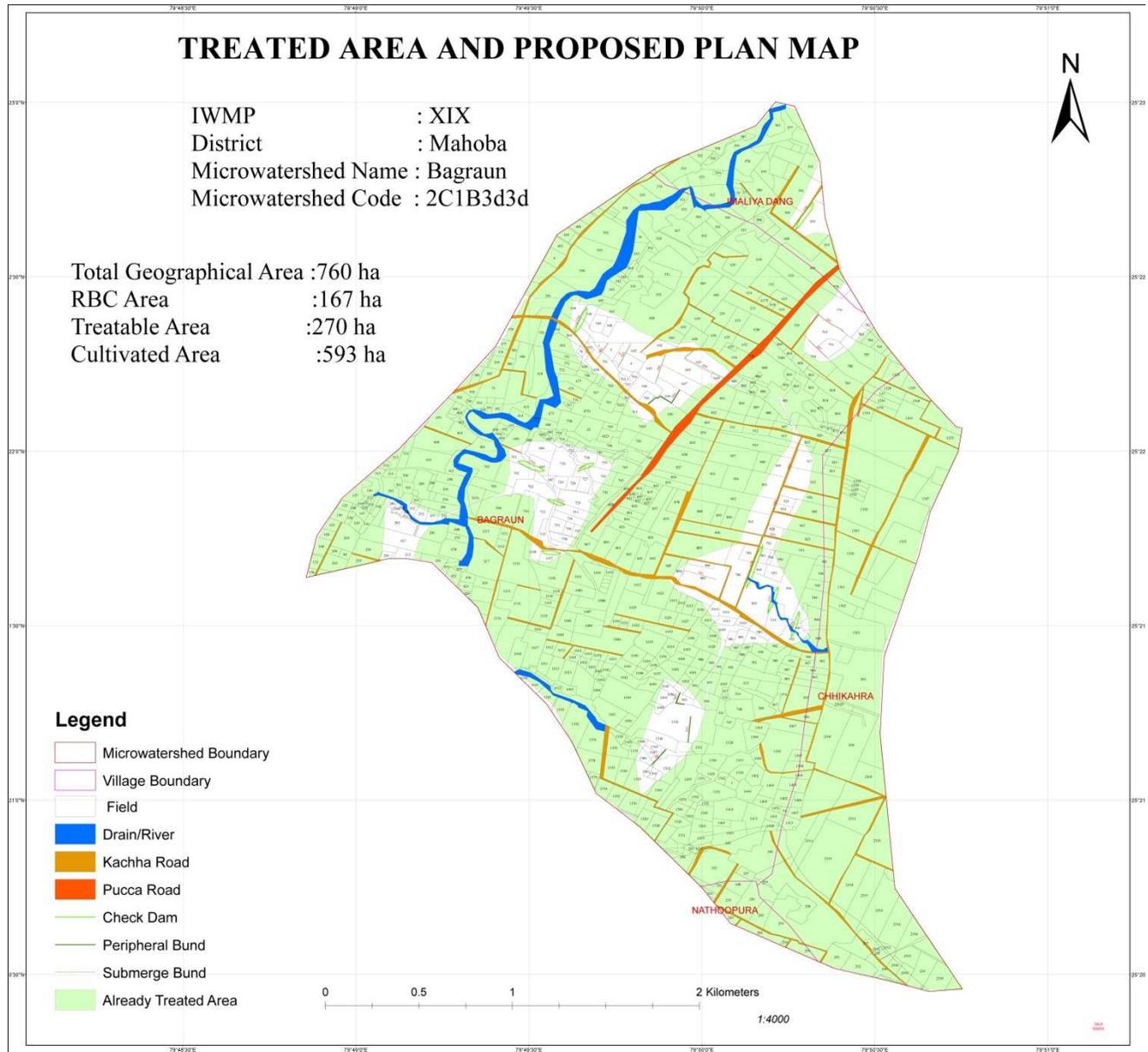
-  Microwatershed Boundary
-  Village Boundary
-  Field
-  Drain/River
-  Kachha Road
-  Pucca Road
-  Kharif 2012-13
-  Kharif 2013-14
-  Kharif 2014-15
-  Rabi 2012-13
-  Rabi 2013-14
-  Rabi 2014-15

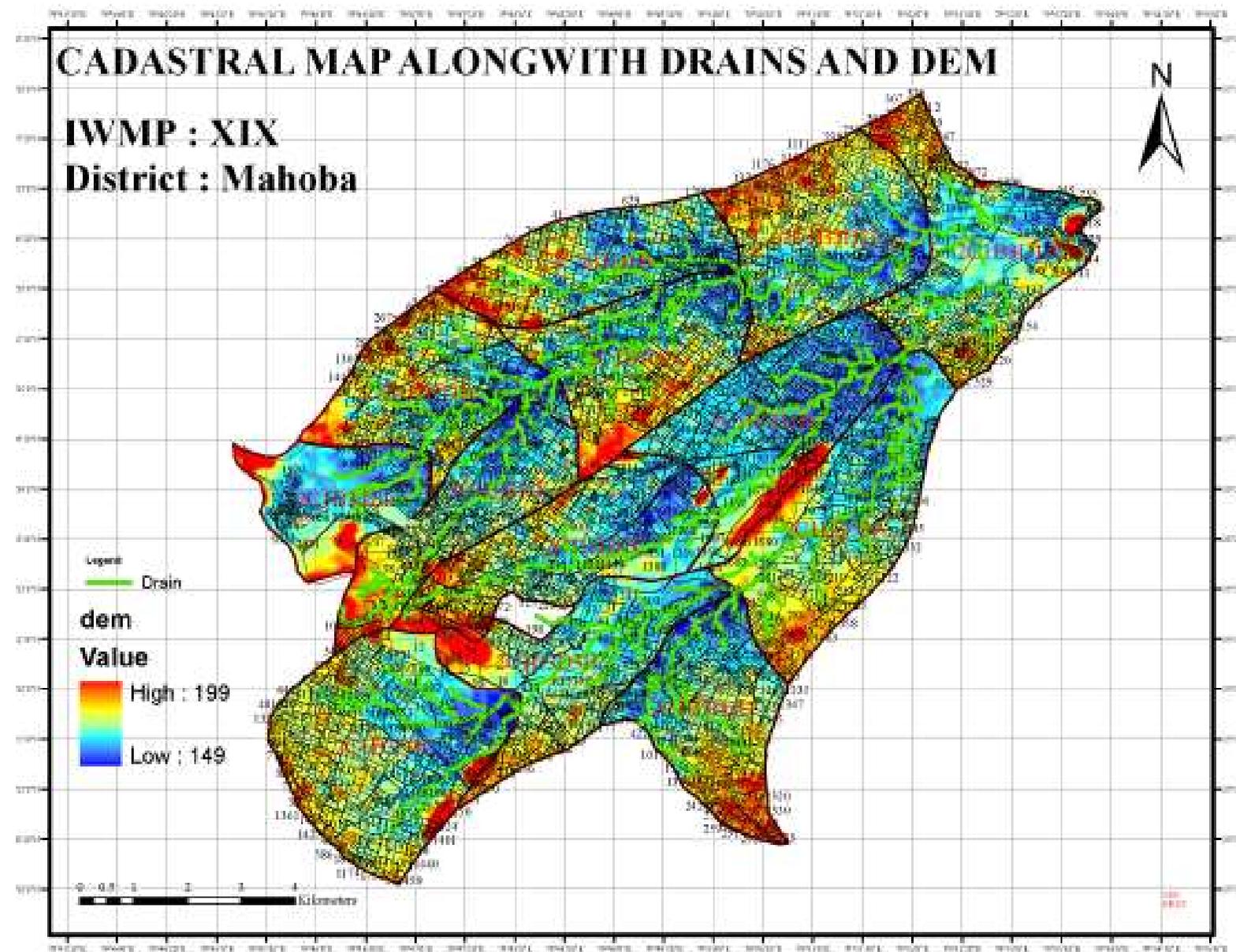


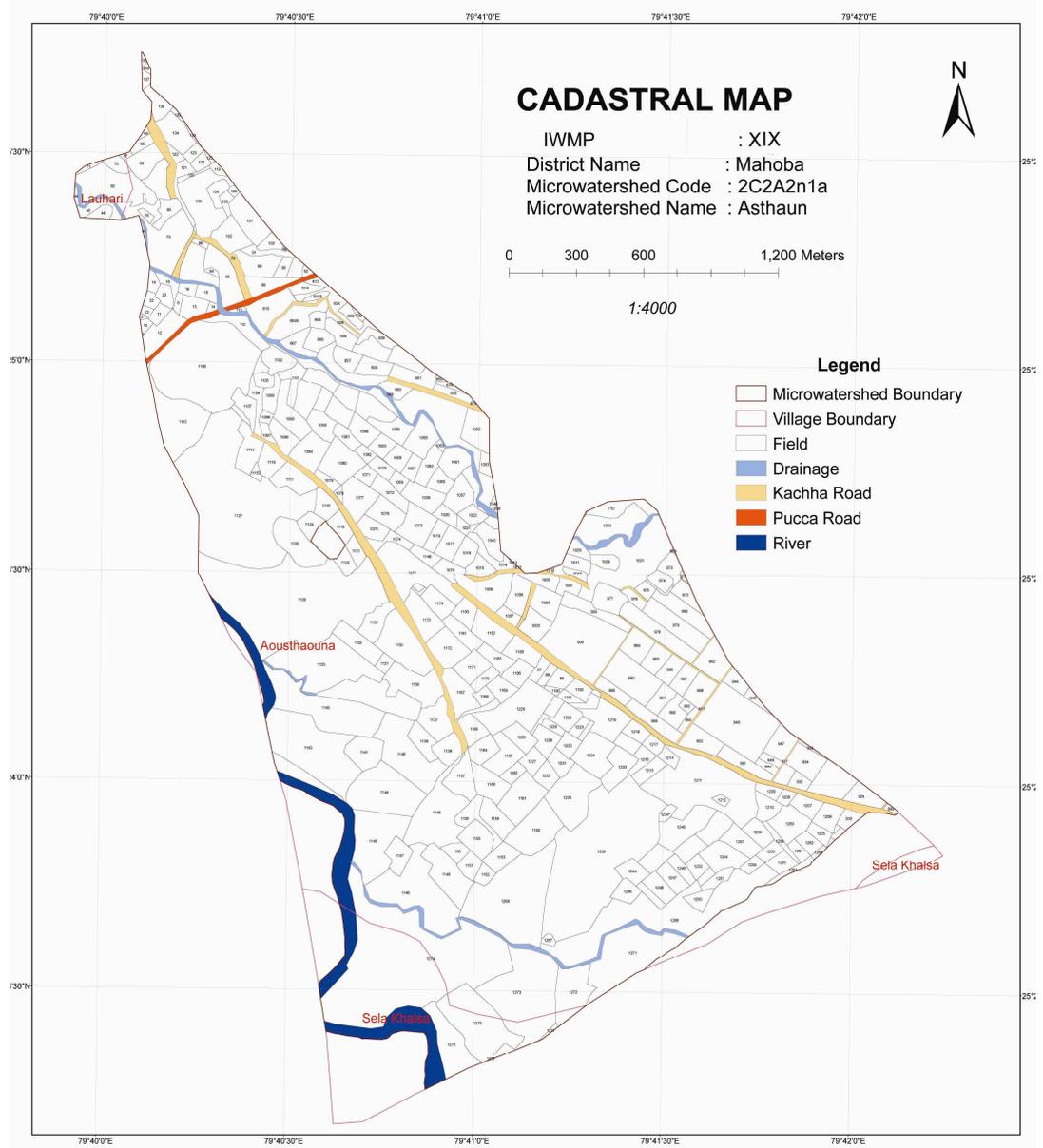
0 0.45 0.9 1.8 Kilometers

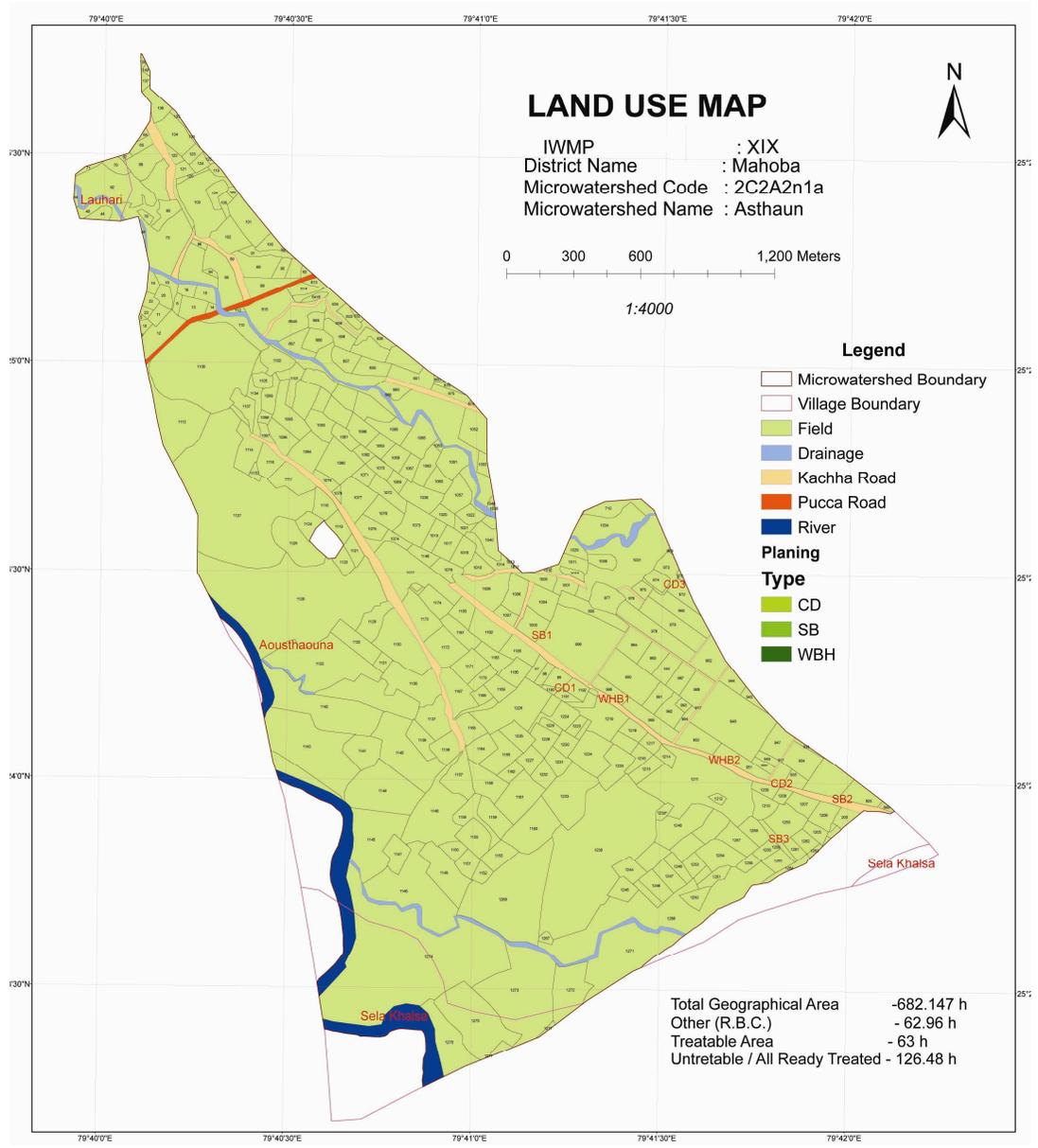
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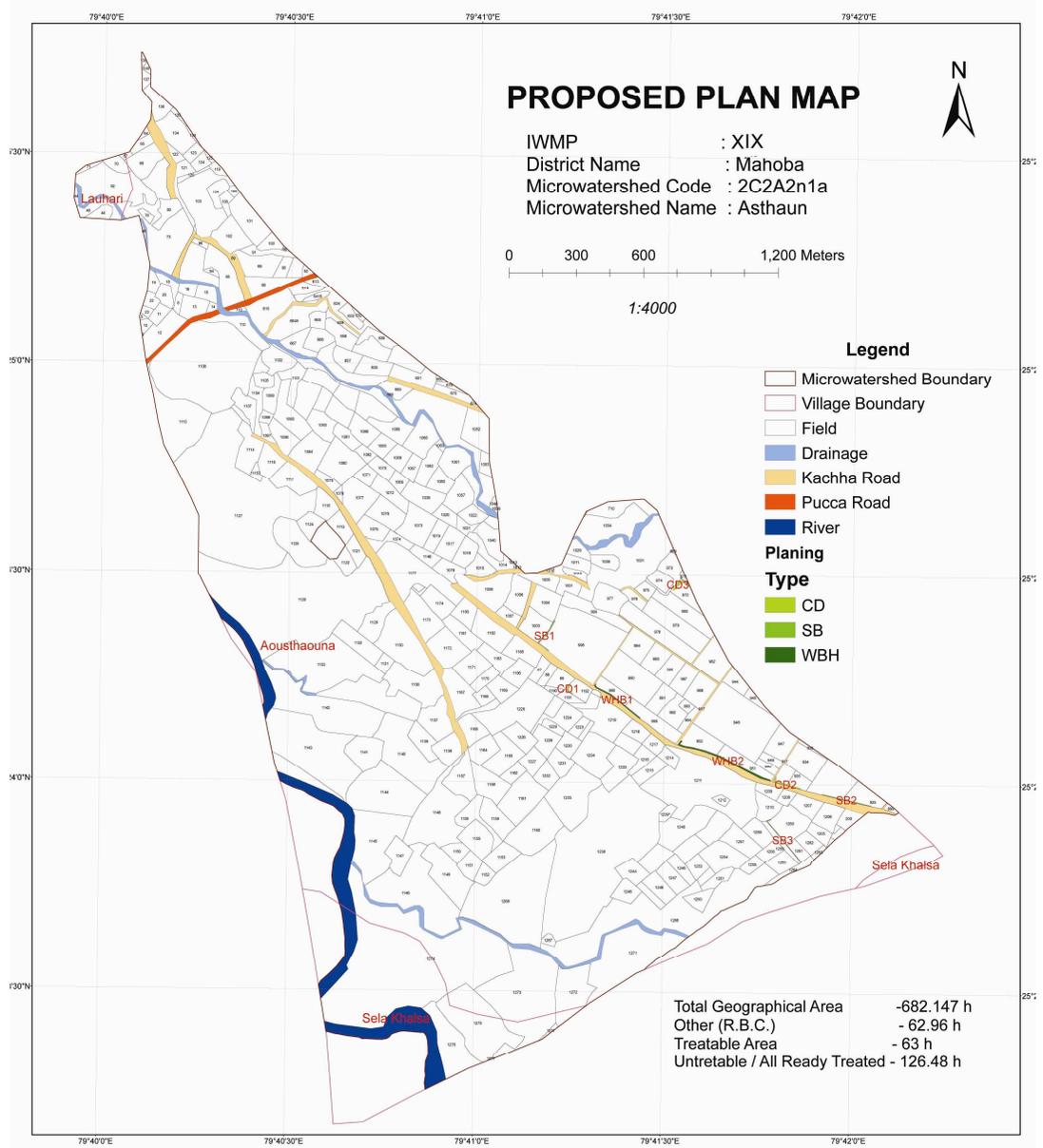


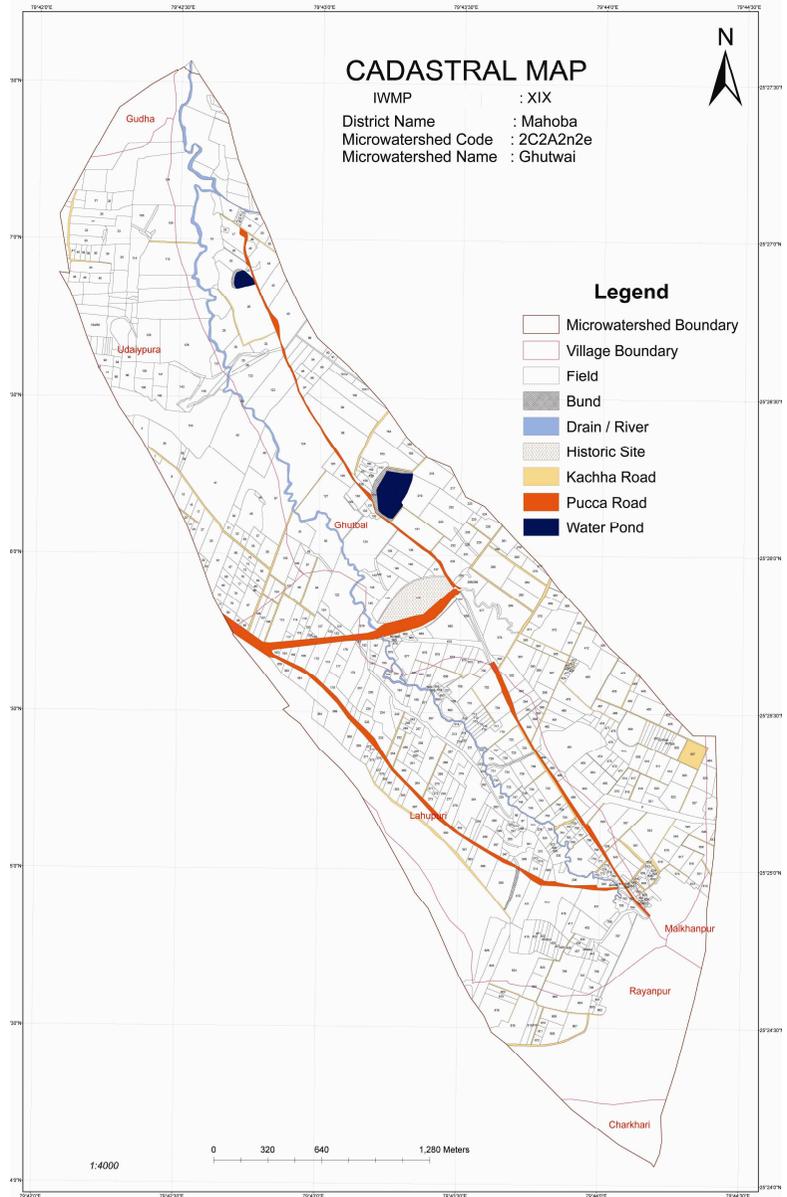


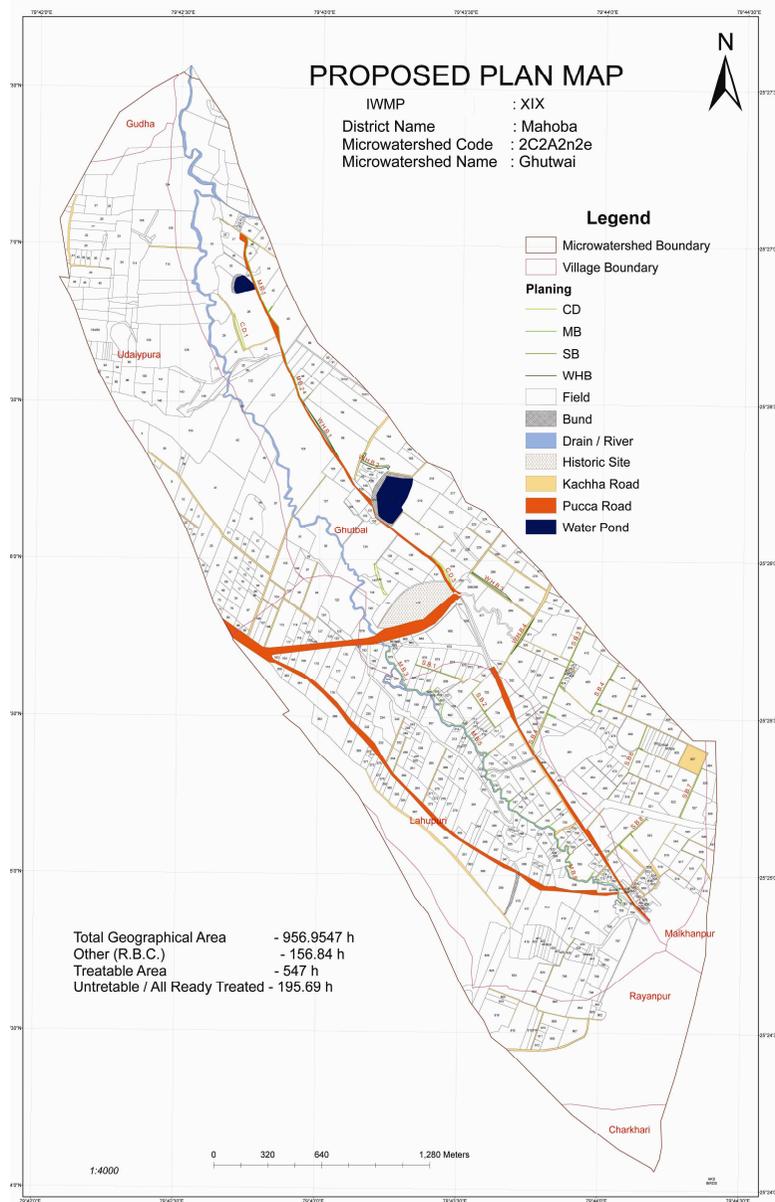


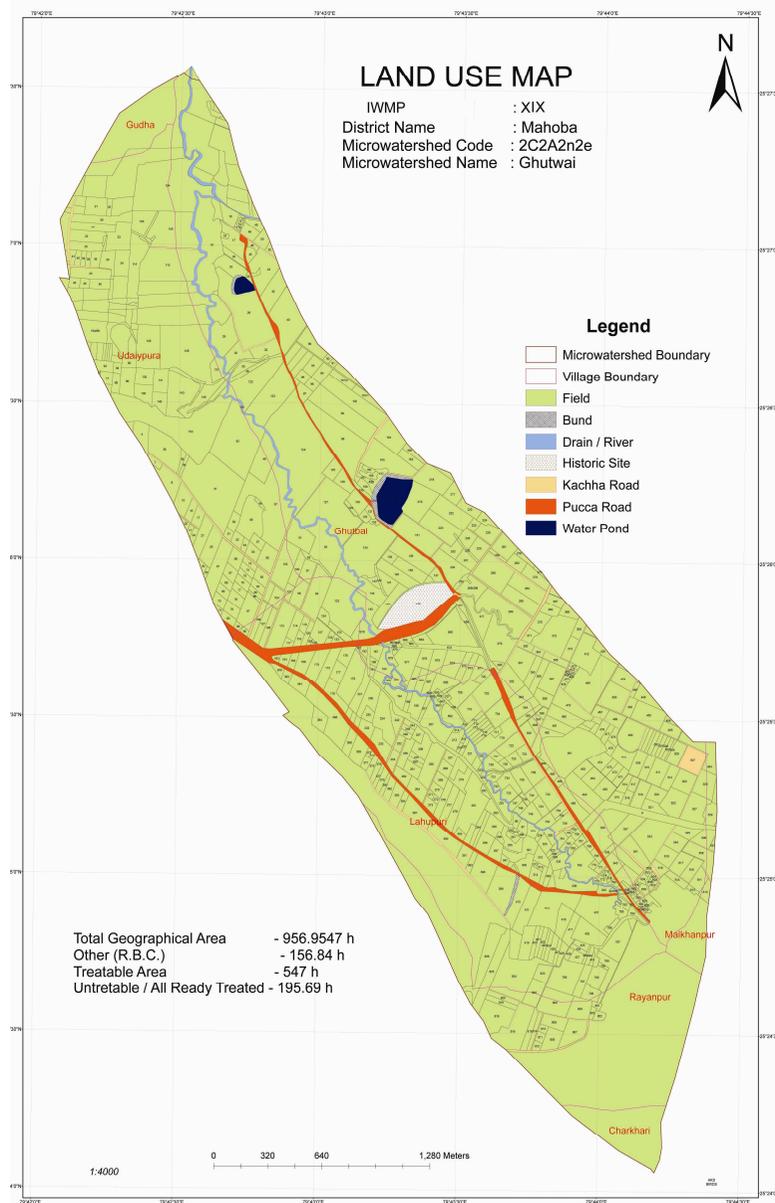








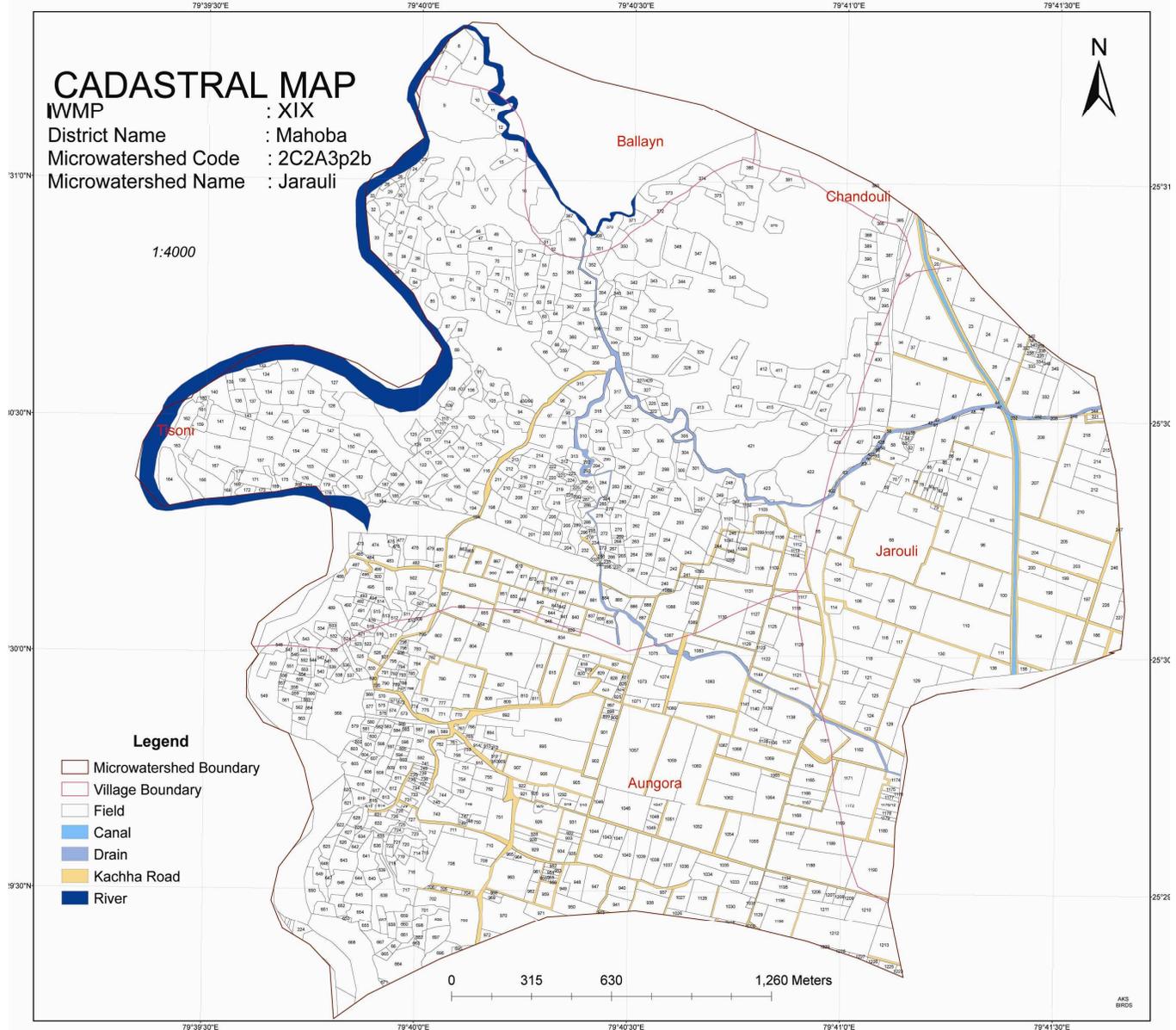




# CADASTRAL MAP

WMP : XIX  
District Name : Mahoba  
Microwatershed Code : 2C2A3p2b  
Microwatershed Name : Jarauli

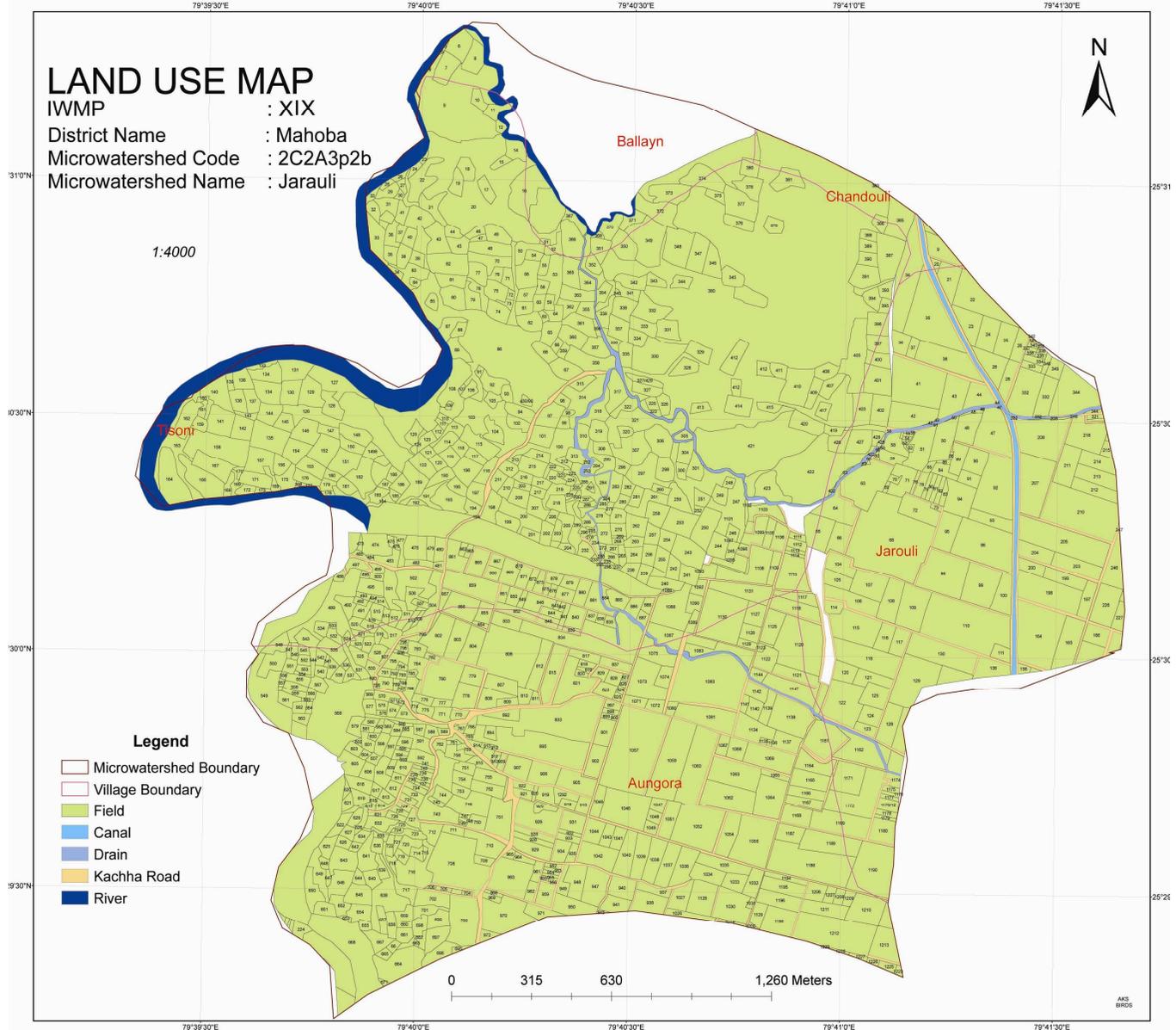
1:4000



- Legend**
- Microwatershed Boundary
  - Village Boundary
  - Field
  - Canal
  - Drain
  - Kachha Road
  - River

0 315 630 1,260 Meters

AKS  
BWS



# PROPOSED PLAN MAP

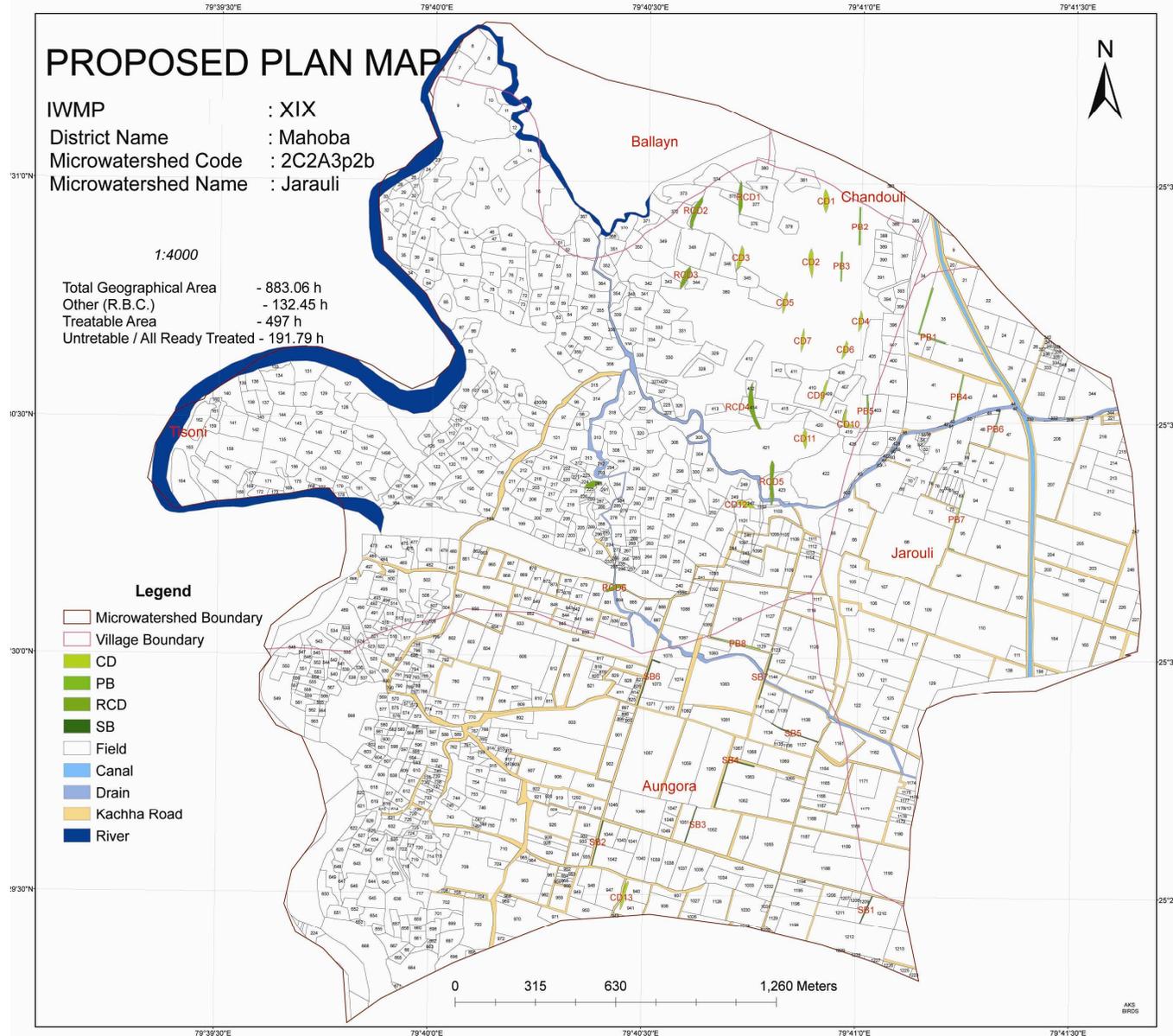
IWMP : XIX  
 District Name : Mahoba  
 Microwatershed Code : 2C2A3p2b  
 Microwatershed Name : Jarauli

1:4000

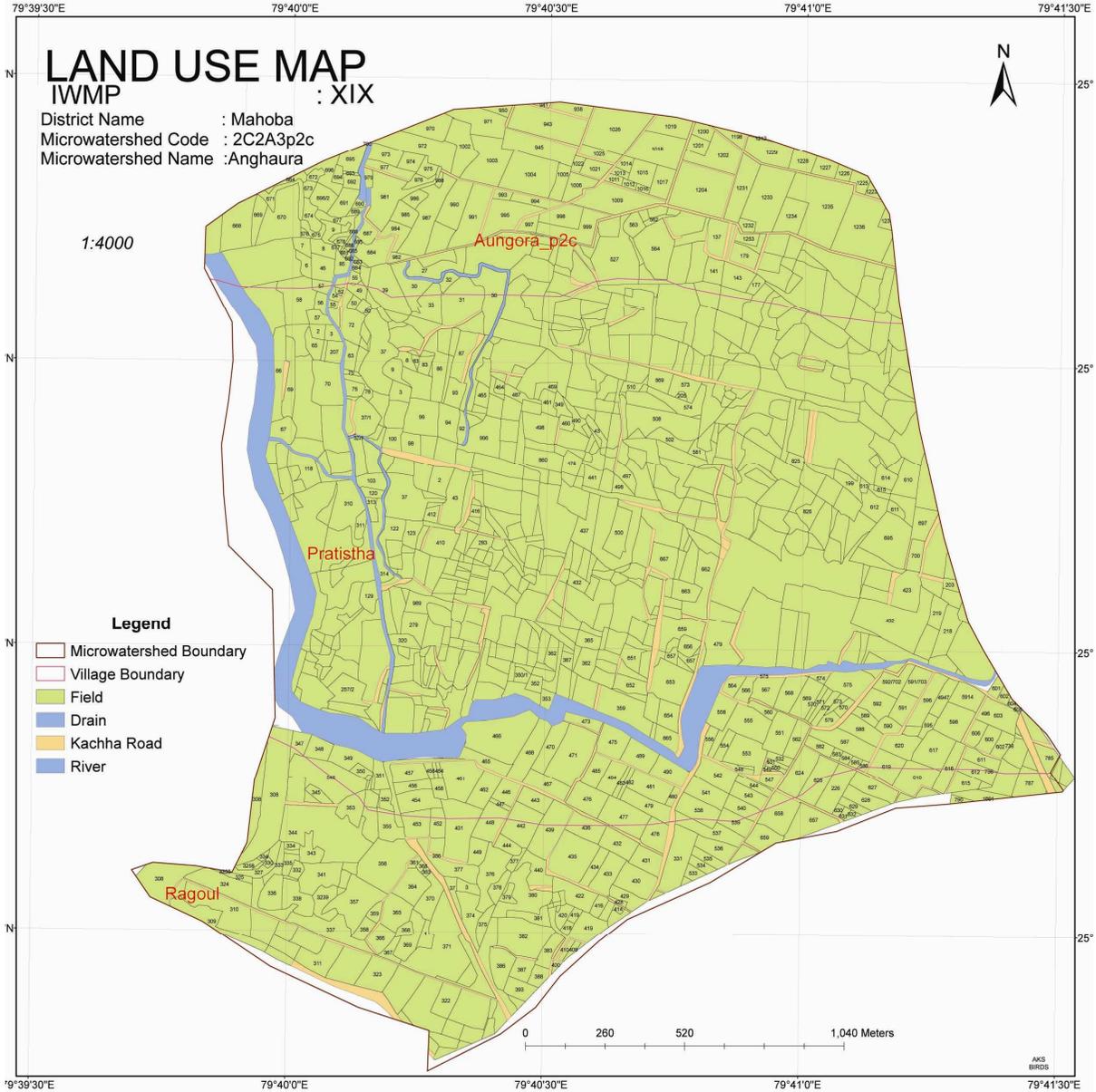
Total Geographical Area - 883.06 h  
 Other (R.B.C.) - 132.45 h  
 Treatable Area - 497 h  
 Untreatable / All Ready Treated - 191.79 h

## Legend

-  Microwatershed Boundary
-  Village Boundary
-  CD
-  PB
-  RCD
-  SB
-  Field
-  Canal
-  Drain
-  Kachha Road
-  River









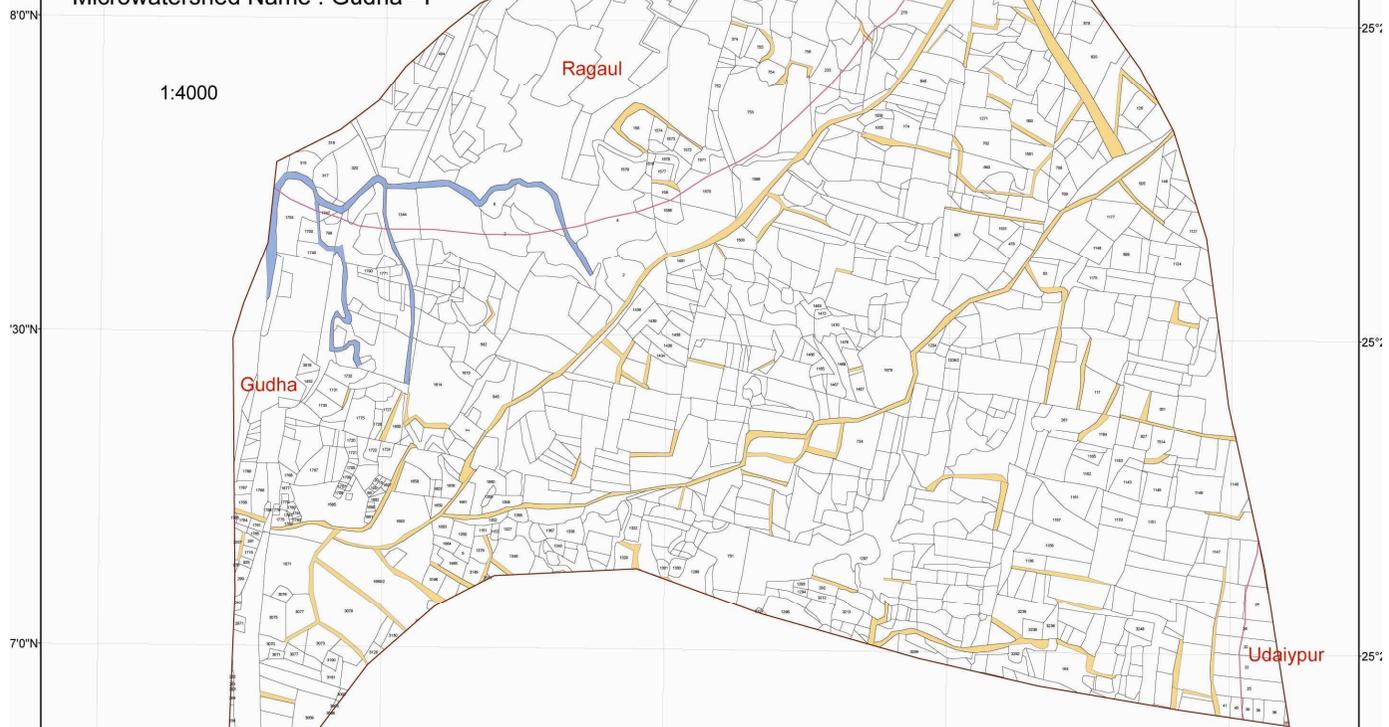
79°40'0"E 79°40'30"E 79°41'0"E 79°41'30"E 79°42'0"E

# CADASTRAL MAP

IWMP : XIX  
District Name : Mahoba  
Microwatershed Code : 2C1B3p2d  
Microwatershed Name : Gudha - I



1:4000



### Legend

-  Microwatershed Boundary
-  Village Boundary
-  Field
-  Drain / River
-  Kachha Road

0 285 570 1,140 Meters

79°40'0"E 79°40'30"E 79°41'0"E 79°41'30"E 79°42'0"E

79°40'0"E 79°40'30"E 79°41'0"E 79°41'30"E 79°42'0"E

# LAND USE MAP

IVMP : XIX

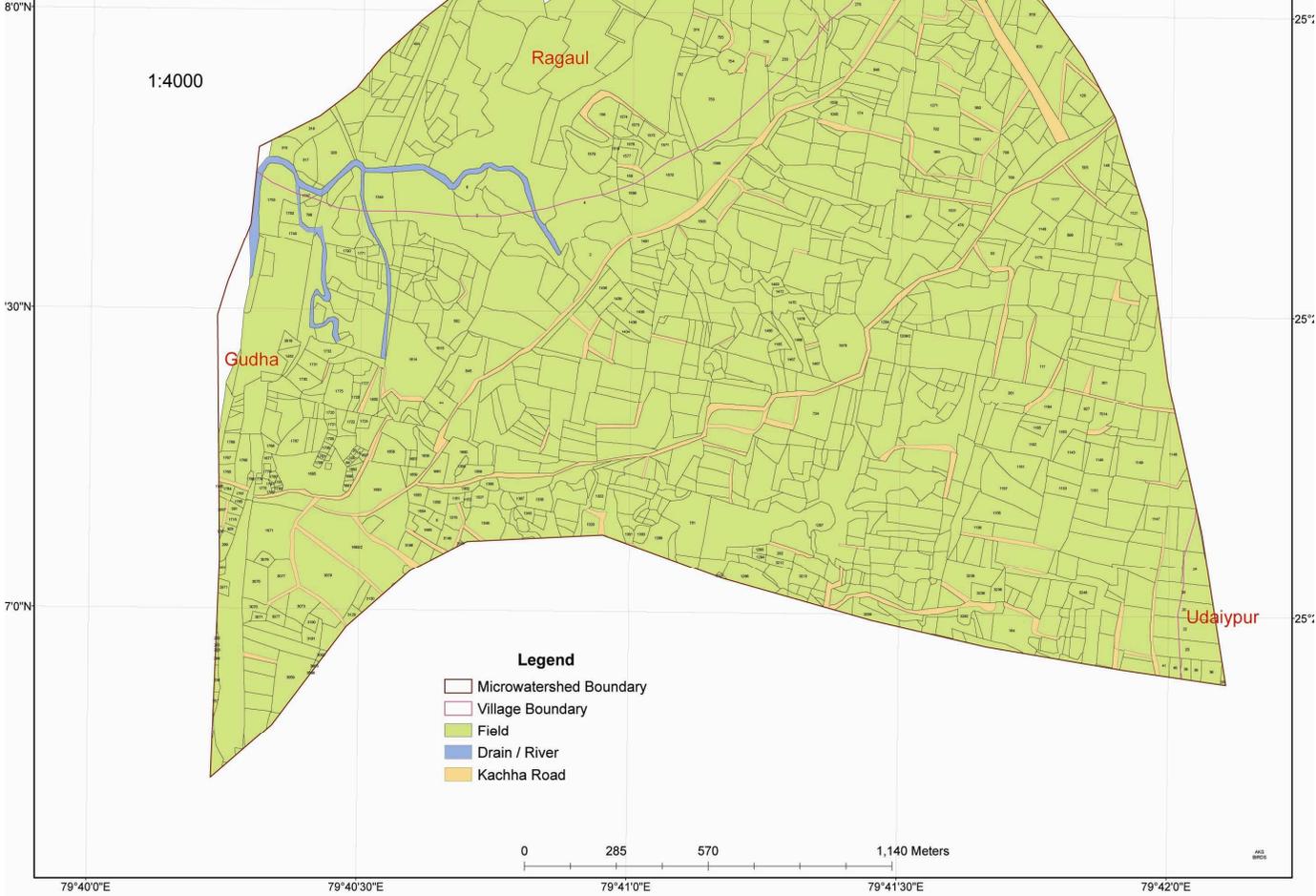
District Name : Mahoba

Microwatershed Code : 2C1B3p2d

Microwatershed Name : Gudha - I



1:4000



# PROPOSED PLAN MAP

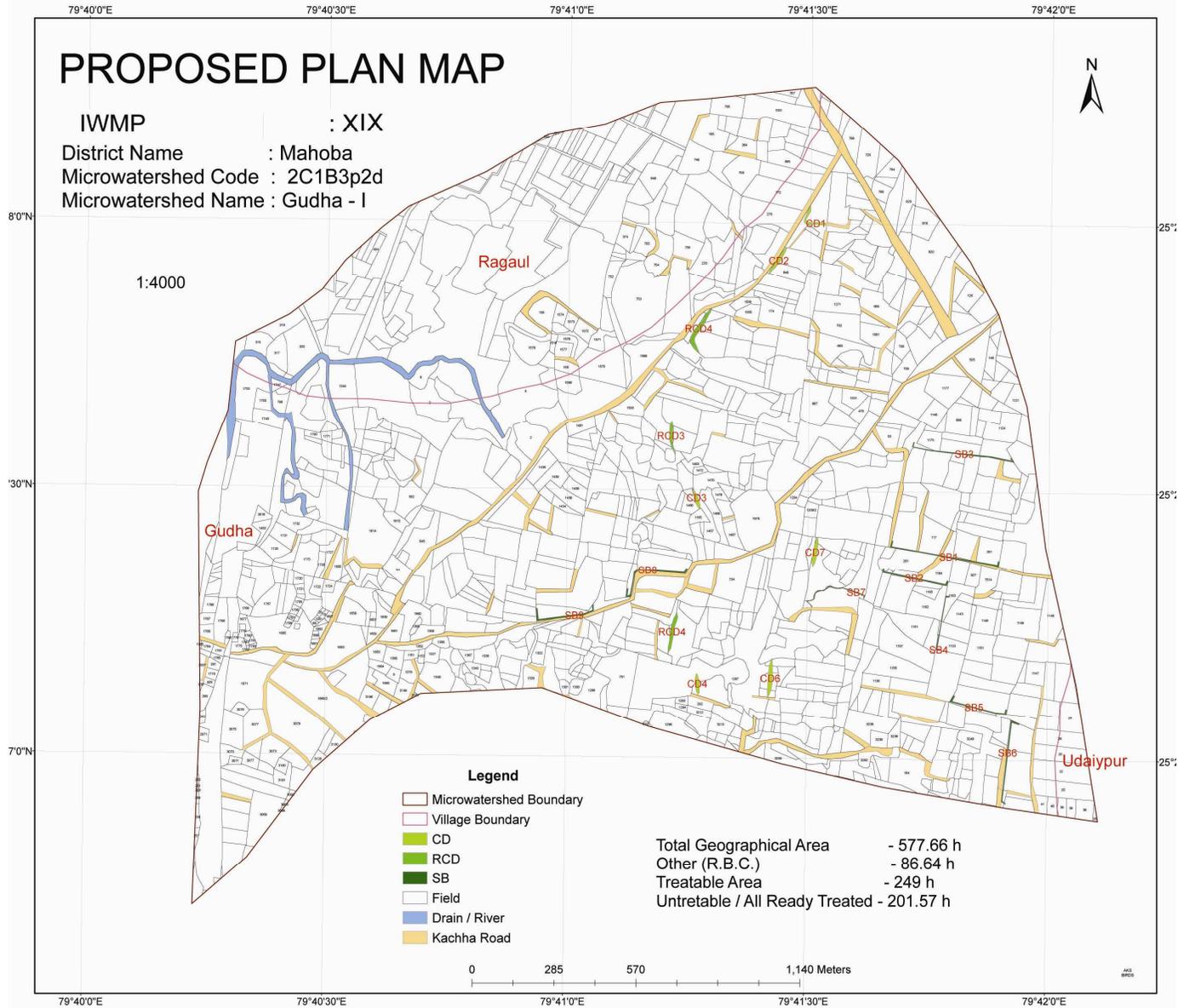
IWMP : XIX

District Name : Mahoba

Microwatershed Code : 2C1B3p2d

Microwatershed Name : Gudha - I

1:4000

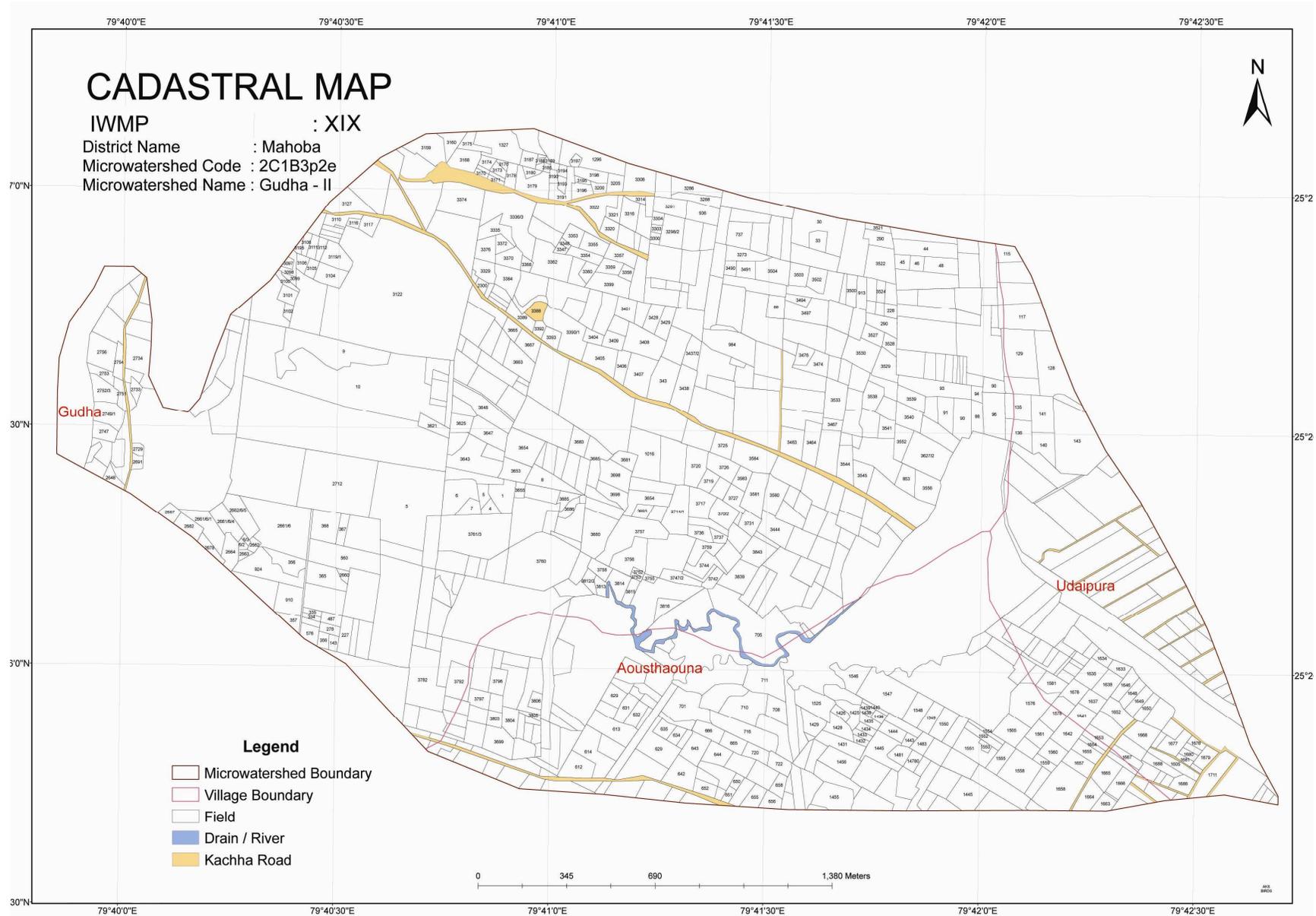


### Legend

- Microwatershed Boundary
- Village Boundary
- CD
- RCD
- SB
- Field
- Drain / River
- Kachha Road

Total Geographical Area - 577.66 h  
 Other (R.B.C.) - 86.64 h  
 Treatable Area - 249 h  
 Untreatable / All Ready Treated - 201.57 h

0 285 570 1,140 Meters



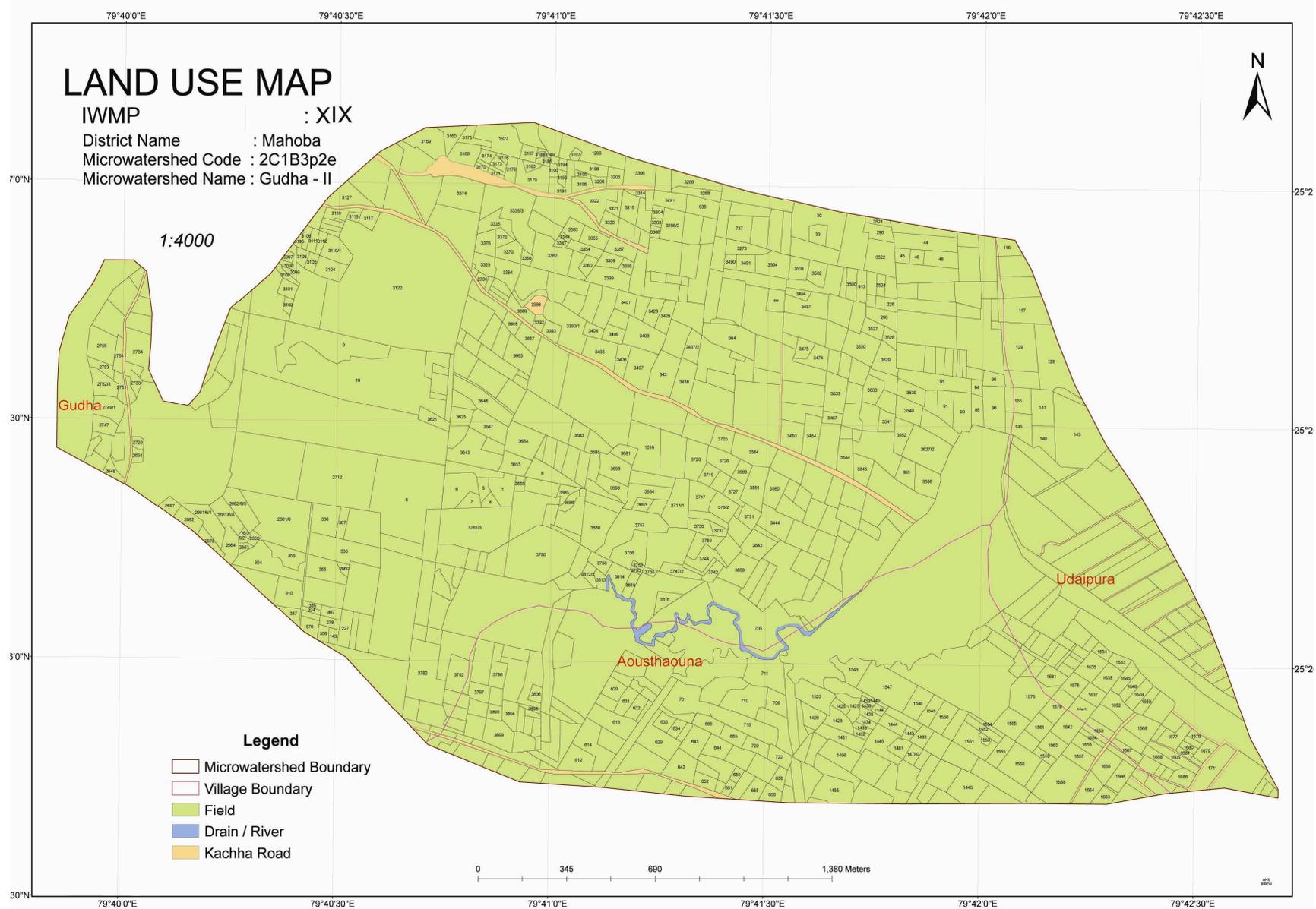
# LAND USE MAP

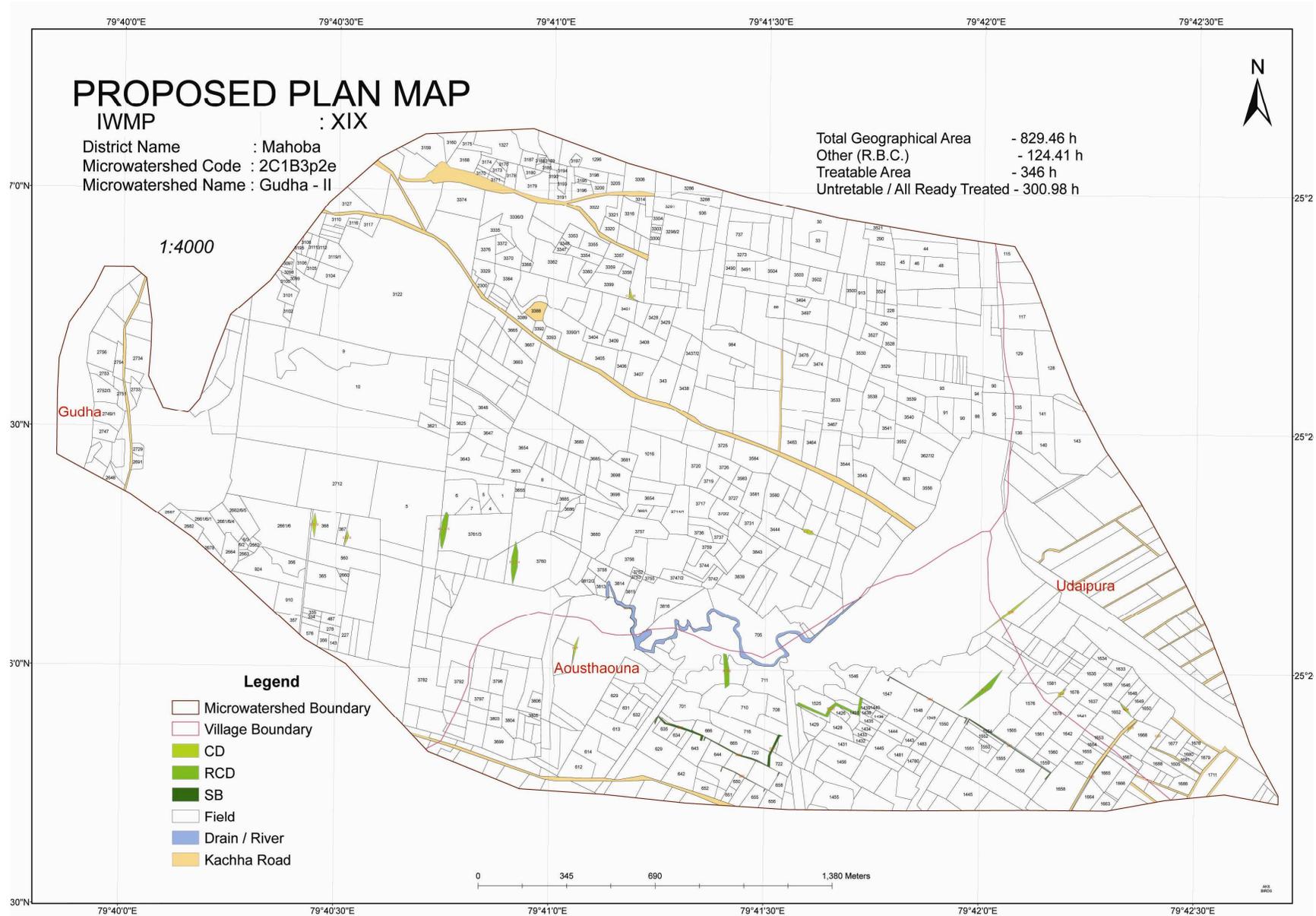
IWMP : XIX

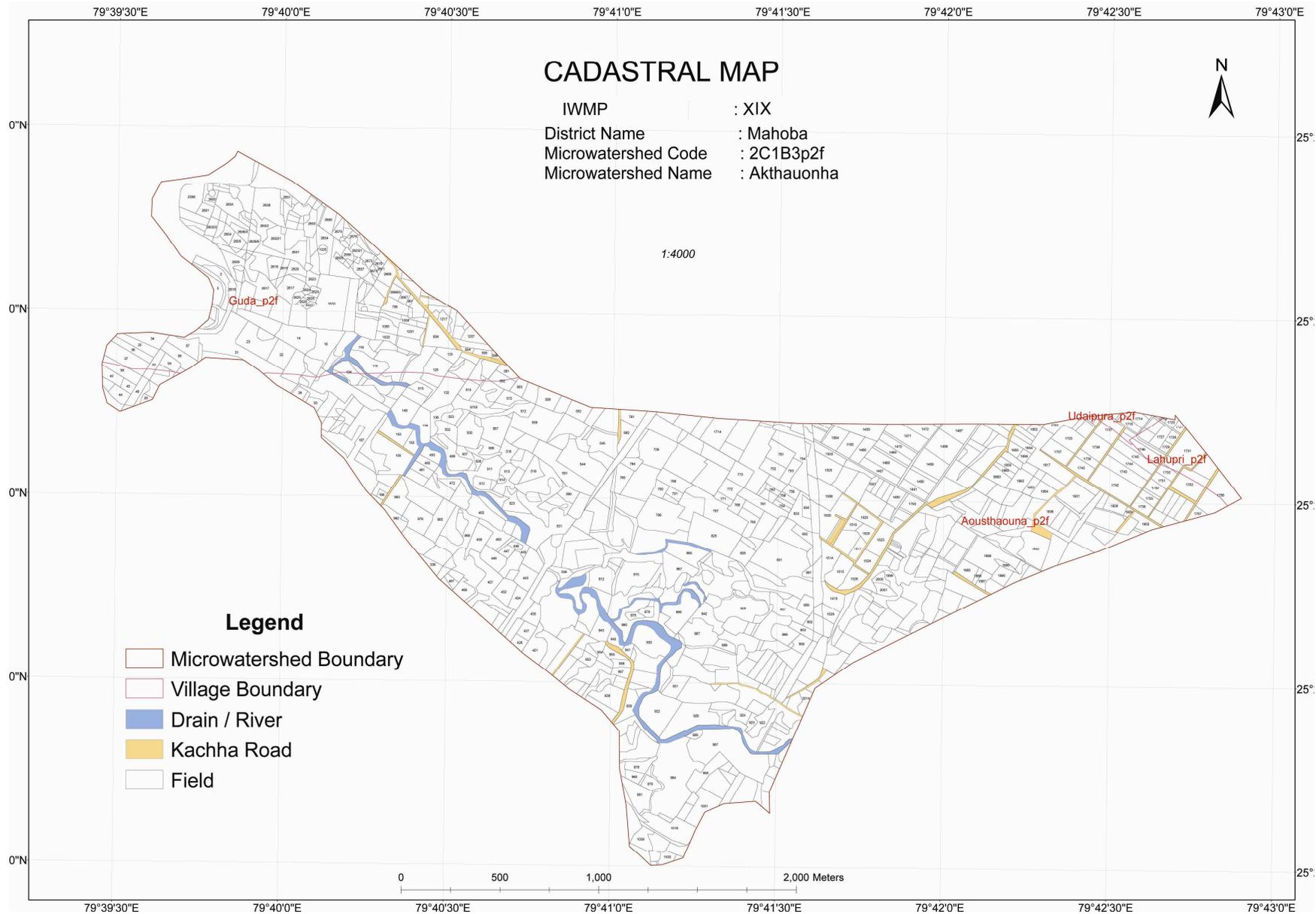
District Name : Mahoba

Microwatershed Code : 2C1B3p2e

Microwatershed Name : Gudha - II







# CADASTRAL MAP

IWMP : XIX  
 District Name : Mahoba  
 Microwatershed Code : 2C1B3p2f  
 Microwatershed Name : Akthauonha

1:4000

## Legend

- Microwatershed Boundary
- Village Boundary
- Drain / River
- Kachha Road
- Field

0 500 1,000 2,000 Meters

