Detailed Project Report

Integrated Watershed Management Programme - IV

Year-2010-2011

Departmant of Development and Water Resources, Uttar Pradesh

Project Implementing Agency

Bhoomi Sanrakshan Adhikari

(L.D.W.R), Rath-I, Hamirpur

CERTIFICATE

This is to be certified that the proposed Project (IWMP-IV) comprising twelve micro-watersheds of district Hamirpur, Uttar Pradesh has been selected for its sustainable development on watershed basis under Integrated Watershed Management Programme. The land is physically available for proposed interventions and is not overlapping with any other schemes. It will be developed as per Common Guidelines for Watershed Development Project-2008, GOI, and New Delhi. The significant results will be achieved through proposed interventions on soil and water conservation, ground water recharge, availability of drinking and irrigation water, agricultural production systems, live stock, fodder availability, livelihoods of asset less, capacity building, etc. The proposed **Detailed Project Report** of **IWMP-IV, 2010-11** is submitted for its approval.

Soil Conservation Officer
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Deputy Director
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Project Director
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EXECUTIVE SUMMARY

All the micro-watersheds of IWMP-IV, 2010-11 are situated in Sarila Block of District Hamirpur, Uttar Pradesh. The project consists of twelve micro-watersheds namely Barhaira (2C2A4b2a), Manakhari (2C2A4b2e), Panchkhura (2C2A2b2c), Harsundi (2C2A4b1a), Rerua Bujurg (2C2A4a2c), Newly Basa (2C2A4b1b), Khandaut (2C2A4a2d), Mamna (2C2A2b2g), Gahuli (2C2A2b2f), Puraini (2C2A2b1e), Kathari (2C2A2b1g) and Bilgaon (2C2A2b1f).Watershed project is situated in Sarila block of District Hamirpur and spread over in 26 villages of 13 Gram Panchayat. The total geographical area of the IWMP-IV is 6953.00 ha, out of which 5990.00 ha is treatable under Integrated Watershed Management Programme IWMP-IV

All micro-watershed falls in agro-climatic zone of Central Plain Zone representing semi-arid ecological sub-region. IWMP-IV are situated at an elevation of some 71 to 134 m. above mean sea level and have relief from 14 to 59 m. The watershed has a general slope of less than 1.85 per cent. General topography of the watershed is mild to gentle. Elevation range and relief are given in Table 2.3.

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. Per cent areal extent of different slope classes in IWMP-IV micro-watershed is shown in Table 2.4. The dominant slope category in the micro-watershed were 1-3 per cent (50.56%) followed by 3-5 per cent (21.48%).

On an average 22.45 per cent of the population is scheduled caste. Population details of the IWMP-IV are depicted in Table 3.1. In general 7-8 per cent population migrate from the project area due to drought and earn more money, however, migration was more than 50 per cent during 2007-08 due to continuous drought from 2004 to 2007 in the region.

Major crops of the watershed are urd, mung, sorghum, til and pigeon pea during *kharif* and lentil, chickpea, field pea, durum wheat, wheat, linseed and mustard during *rabi*. The productivity of these crops is significantly lower than the national and state average. The cropping intensity during *kharif* is significantly lower than the *rabi*. The pre-dominant tree species are Neem *(Azadirachta indica),* Babool (*Acacia nilotica)*, Palas and Ber (*Zizyphus* spp.).

Participatory Rural Appraisal (PRA) exercise was conducted to understand the people's needs and problems. The exercise brought out pressing needs and preferences of people for water harvesting structures through pucca checkdams on ephemeral streams, earthen bunding to protect soil erosion from agricultural fields along with field drainage structure, crop varieties with improved package of practices, agro forestry interventions and improved cultivation of fodder production, etc.

The Watershed Committee (WC) User Groups and SHGs have been constituted; active participation and co-operation of community will be ensured by building their capacities through exposures and trainings.

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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 Hamirpur district of Uttar Pradesh is given in following Tables 1.1, 1.2 and 1.3.

Table 1.1: Status of watershed programme **District- Hamirpur**

Details	No.	Area (Lacha)
Total Micro watershed in the district	574	428200
Workable Micro Watersheds	513	392536
Micro Watersheds already treated by LDWR & other agencies	340	262724
Balance Micro Watersheds (MWS) for treatment (Before start of IWMP in Distt.)	173	129812

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

year	Project /Phase IWMP	MWS	Area (ha)	Project Cost Rs. Lakh	Name of PIA	S.C. Meeting Date
2010-11	IWMP-IV	12	5990.00	718.80	LDWR Rath-I, Hamirpur	23-08-2010
2010-11	IWMP-X	05	5350.00	642.00	LDWR Rath-I, Hamirpur	23-08-2010

Table 1.3: Status of previous DPRs **District- Hamirpur**

Sl.no.	Approved Project (IWMP-VII)	Status of DPR underpreparation / prepared/approved by SLNA with date	Treatable Area ha	Project Area (Geographical) ha	Project cost Rs. (Lakh)	Project period (Fin. Year from.....to.....)	PIA
1	IWMP-IV	Prepared / under revision	5990.00	6953.00	718.80	2010-11 to 2014-15	LDWR Rath-I, Hamirpur
2	IWMP-X	Prepared / under revision	5350.00	6082.00	642.00	2010-11 to 2014-15	LDWR Rath-I, Hamirpur

1.1 Project Background

Integrated Watershed Management Programme-IV comprises twelve micro-watersheds namely Barhaira (2C2A4b2a), Manakhari (2C2A4b2e), Panchkhura (2C2A2b2c), Harsundi (2C2A4b1a), Rerua Bujurg (2C2A4a2c), Newly Basa (2C2A4b1b), Khandaut (2C2A4a2d), Mamna (2C2A2b2g), Gahuli (2C2A2b2f), Puraini (2C2A2b1e), Kathari (2C2A2b1g) and Bilgaon (2C2A2b1f). Watershed project is situated in Sarila block of District Hamirpur and spread over in 26 villages of 13 gram Panchayat. The total geographical area of the IWMP-IV is 6953.00 ha, out of which 5990.00 ha is treatable under Integrated Watershed Management Programme (IWMP-IV).

Table 1.4: Details of IWMP-IV for which this DPR is Prepared

S.N	Watershed project	Micro Watersheds (MWS) detail	Micro watersheds code	Name of Watershed in which MWS is falling (River / Nala name)
1	IWMP-IV	Barhaira	(2C2A4b2a)	Barma Drain/ Parwar Drain
2	IWMP-IV	Manakhari	(2C2A4b2e)	Barma Drain/ Parwar Drain
3	IWMP-IV	Panchkhura	(2C2A2b2c)	Barma Drain/ Parwar Drain
4	IWMP-IV	Harsundi	(2C2A4b1a)	Barma Drain/ Parwar Drain
5	IWMP-IV	Rerua Bujurg	(2C2A4a2c)	Barma Drain/ Parwar Drain
6	IWMP-IV	Newly Basa	(2C2A4b1b)	Barma Drain/ Parwar Drain
7	IWMP-IV	Khandaut	(2C2A4a2d)	Barma Drain/ Parwar Drain
8	IWMP-IV	Mamna	(2C2A2b2g)	Barma Drain/ Parwar Drain
9	IWMP-IV	Gahuli	(2C2A2b2f)	Barma Drain/ Parwar Drain
10	IWMP-IV	Puraini	(2C2A2b1e)	Barma Drain/ Parwar Drain
11	IWMP-IV	Kathari	(2C2A2b1g)	Barma Drain/ Parwar Drain
12	IWMP-IV	Bilgaon	(2C2A2b1f)	Barma Drain/ Parwar Drain

1.2 Need and Scope for Watershed Development

The District Hamirpur part of Bundelkhand region is contineously in grip of dry spell from 2004-10 except in the year 2007 where normal rains occurs. In the District, more than 90 per cent of open wells and storage water is now dried up due to deficit rainfall during dry spell. Cattle were abandoned due to shortage of water and fodder. Most part of the district is presently dependent on drinking water supply through tanker. Therefore, management of natural resources on watershed basis is urgent need of the district as well for Project IWMP-IV. Watershed project was selected with following objectives:

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 1.5 and composite ranking is developed on the basis of these parameters. The seventeen criteria are taken with total of 205 weightage points. The criterion taken are availability of drinking water, irrigation, 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 (% of poor population), virginity of land, productivity potential of land and soil organic carbon status. The weightage for project is about 97.56 per cent (Table 1.6).

Table 1.5: Criteria and weightage for selection of watershed

S. No.	Criteria	Maximum Score	Range & Score			
1	Drinking water	15	**Very poor** Dependence on water supply through tanker (15)	**Poor** Partial availability within the periphery of 3-4 km (10)	**Good** Round the year availability within the periphery of 3-4 km (5)	**Very Good** 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 1.6: Weightage of the project

S. No.	Criteria	Weightage points
1	Drinking water	15
2	Irrigation	10
3	Degree of soil erosion	10
4	Water holding capacity	10
5	Area under rainfed agriculture	15
6	Status of field bund/contour bund / graded bund	10
7	Presence of hard rock below the land	15
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	10
13	Weather condition	15
14	Poverty index (% of poor population)	10
15	Virginity	10
16	Productivity potential of land	15
17	Organic carbon status	10
	Total Weightage (Out of total 205)	**200**
	Weightage Percentage	**97.56**

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

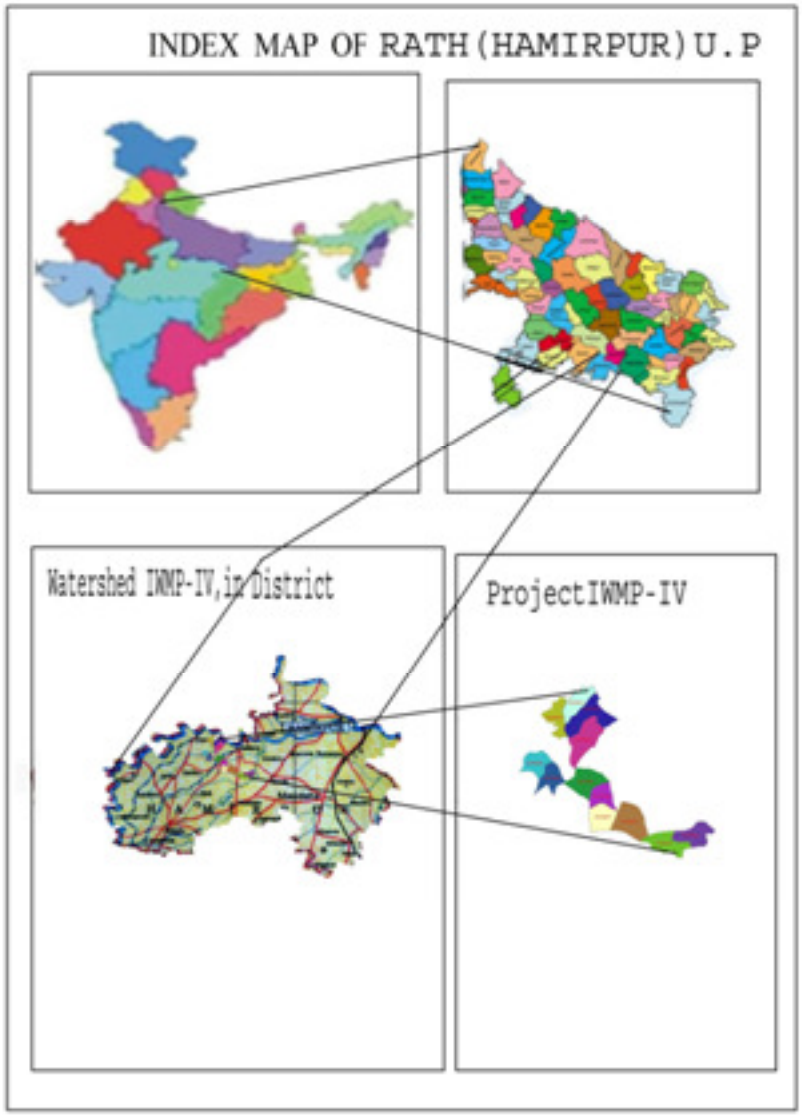
2.1 Location:

The micro-watersheds of IWMP-IV are located in Sarila block of Hamirpur district. Their geographical areas for each micro-watershed are depicted in Table 2.1. Total area of the project is 6953.00 ha, out of which 5990.00 ha is treatable. The geographical area of micro-watershed varied in the range of 376.00 to 811.00 ha.

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

S. N.	Name of micro watershed with code	Latitude /Longitude	Name of GP	Name of Village	Name of Block	Area of Village included in MWS	Details of important/ approach road with distance km
1	Barhaira (2C2A4b2a)	80^0 58' 41.13"- 81^0 0'21.57" E 25^0 0' 18.49" – 25^0 1' 43.69" N	Barhaira	Barhaira Sikraudha Budi Manakhari	Sarila	348.00 20.00 90.00 40.00	Hamirpur to Rath to Sarila 110 Km, Sarila to Barhaira 10 Km
	Total					**498.00**	
2	Manakhari (2C2A4b2e)	80^0 59' 13.71" - 81^0 1' 40.82" E 25^0 0' 14.19" – 25^0 2' 53.39" N	Manakhari	Manakhari Jariya Tila Panchkhura Mamna	Sarila	340.00 120.00 35.00 60.00	Hamirpur to Rath to Sarila 110 Km, Sarila to Mankhari 06 Km
	Total					**555.00**	
3	Panchkhura (2C2A2b2c)	80^0 57' 48.61" - 81^0 0' 14.73" E 24^0 59' 45.84" – 25^0 0' 58.67" N	Panchkhura Tai Bilpur	Panchkhura Bilpur Mamna	Sarila	319.00 105.00 140.00	Hamirpur to Rath to Sarila 110 Km, Sarila to Panchkhura 12 Km
	Total					**564.00**	
4	Harsundi (2C2A4b1a)	80^0 59' 12.41"- 81^0 02' 36.16" E 24^0 58' 58.87" – 25^0 0' 20.89" N	Harsundi	Harsundi Kadaura	Sarila	454.00 357.00	Hamirpur to Rath to Sarila 110 Km, Sarila to Harsundi 16 Km
	Total					**811.00**	
5	Rerua Bujurg (2C2A4a2c)	81^0 2' 11.59" - 81^0 4' 25.37" E 25^0 1' 28.42" – 25^0 3' 21.70" N	Basariya	Newly Basa Rerua Bujurg Danda Dariya	Sarila	270.00 166.00 218.00	Hamirpur to Rath to Sarila 110 Km, Sarila to Rerua bujurg 18 Km
	Total					**654.00**	

6	Newly Basa (2C2A4b1b)	81^0 0' 53.45" - 81^0 3' 5.07" E 25^0 0' 17.86" – 25^0 3' 26.61" N	Newly Basa Lodhi Pura	Newly Basa Lodhi Pura	Sarila	270.00 106.00	Hamirpur to Rath to Sarila 110 Km, Sarila to Newly basa 15 Km
	Total					**376.00**	
7	Khandaut (2C2A4a2d)	81^0 1' 30.90" - 81^0 5' 5.18" E 25^0 1' 24.96" – 25^0 3' 52.87" N	Khandaut	Khandaut	Sarila	675.00	Hamirpur to Rath to Sarila 110 Km, Sarila to Khandaut 17 Km
	Total					**675.00**	
8	Mamna (2C2A2b2g)	79^0 45' 9.25" – 79^0 46' 44.13"E 25^0 46' 48.79" - 25^0 48' 26.83" N	Mamna	Mamna Bhikampur Gahuli	Sarila	473.00 206.00 39.00	Hamirpur to Rath to Sarila 110 Km, Sarila to Mamna 12 Km
	Total					**718.00**	
9	Gahuli (2C2A2b2f)	79^0 45' 9.82" – 79^0 46' 46.16"E 25^0 45' 34.58" - 25^0 47' 13.63" N	Mamna Cheni paini Bangra	Gahuli Maharajpur Bangra Chaidi Paini Tikri Parmal	Sarila	100.00 150.00 58.00 95.00 135.00	Hamirpur to Rath to Sarila 110 Km, Sarila to Gahuli 08 Km
	Total					**522.00**	
10	Puraini (2C2A2b1e)	79^0 46' 21.13" – 79^0 48' 28.13"E 25^0 45' 5.40" - 25^0 47' 17.90' N	Puraini	Nivauli Puraini	Sarila	82.00 440.00	Hamirpur to Rath to Sarila 110 Km, Sarila to Puraini 13 Km
	Total					**538.00**	
11	Kathari (2C2A2b1g)	79^0 49' 50.33" – 79^0 52' 15.40"E 25^0 44' 42.46" - 25^0 46' 11.51" N	Katehari	Katehari Dhohal Khurd	Sarila	490.00 22.00	Hamirpur to Rath to Sarila 110 Km, Sarila to Kathari 22 Km
	Total					**512.00**	
12	Bilgaon (2C2A2b1f)	79^0 48' 0.93" – 79^0 50' 54.95"E 25^0 44' 6.34" - 25^0 45' 39.39' N	Bilgaon	Bilgaon Katehari	Sarila	510.00 20.00	Hamirpur to Rath to Sarila 110 Km, Sarila to Bilgaon 20 Km
	Total					**530.00**	
	Grand Total					**6953.00**	


INDEX MAP OF RATH (HAMIRPUR) U.P
Watershed IWMP-IV, in District
Project IWMP-IV

2.2 Area and Landuse: Village wise detailed information on type of land is depicted in Table 2.2. The total culturable land of the project is 6129.06 ha, out of which 139.06 ha land is under assured irrigation mainly by means of open shallow dug wells and stored water. The cultivable rainfed, temporary and permanent wastelands are about 5990, 278 and 156 ha, respectively, under the total land of the project.

Table 2.2: Details of land resources in IWMP-IV of Hamirpur district

S. No.	Name of MWS with code	Name of Village	Cultivated rainfed area	Cultivated irrigated area	Uncultivated wasteland/ fallow		Pvt. Agri. Land				Forest Land	Community land	Others (Habitat, Road. Etc.	Total area (ha) (Geographical)
					Temp	Permanent	Gen	SC	OBC	Total				
1	Barhaira (2C2A4b2a)	Barhaira	299.70	6.96	13.91	7.81	31.43	64.15	190.16	285.74	40.38	12.18	19.13	348.00
		Sikraudha	17.24	0.40	0.80	0.45	1.81	3.69	10.94	16.44	2.32	0.70	1.10	20.00
		Budi	77.50	1.80	3.60	2.02	8.13	16.59	49.17	73.89	10.44	3.15	4.95	90.00
		Manakhari	34.44	0.80	1.60	0.90	3.61	7.37	21.85	32.84	4.64	1.40	2.20	40.00
	Total		**428.88**	**9.96**	**19.90**	**11.17**	**44.98**	**91.80**	**272.13**	**408.91**	**57.78**	**17.42**	**27.38**	**498.00**
2	Manakhari (2C2A4b2e)	Manakhari	292.82	6.80	13.59	7.63	30.71	62.68	185.80	279.18	39.45	11.90	18.69	340.00
		Jariya Tila	103.34	2.40	4.80	2.69	10.84	22.12	65.57	98.53	13.92	4.20	6.60	120.00
		Panchkhura	30.16	0.70	1.40	0.79	3.16	6.46	19.14	28.76	4.06	1.23	1.93	35.00
		Mamna	51.67	1.20	2.40	1.35	5.42	11.06	32.79	49.27	6.96	2.10	3.30	60.00
	Total		**478.00**	**11.10**	**22.18**	**12.45**	**50.13**	**102.31**	**303.29**	**455.74**	**64.40**	**19.42**	**30.52**	**555.00**
3	Panchkhura (2C2A2b2c)	Panchkhura	274.76	6.38	12.75	7.16	28.82	58.81	174.34	261.96	37.02	11.16	17.54	319.00
		Bilpur	90.45	2.10	4.20	2.36	9.49	19.36	57.39	86.24	12.19	3.67	5.77	105.00
		Mamna	120.57	2.80	5.60	3.14	12.65	25.81	76.50	114.96	16.24	4.90	7.70	140.00
	Total		**485.79**	**11.28**	**22.55**	**12.65**	**50.95**	**103.98**	**308.23**	**463.16**	**65.45**	**19.74**	**31.01**	**564.00**
4	Harsundi (2C2A4b1a)	Harsundi	390.98	9.08	18.15	10.18	41.00	83.69	248.08	372.77	52.68	15.88	24.96	454.00
		Kadaura	307.45	7.14	14.27	8.01	32.24	65.81	195.08	293.13	41.42	12.49	19.63	357.00
	Total		**698.43**	**16.21**	**32.41**	**18.19**	**73.25**	**149.50**	**443.16**	**665.90**	**94.10**	**28.38**	**44.59**	**811.00**
5	Rerua Bujurg (2C2A4a2c)	Newly Basa	232.68	5.40	10.80	6.06	24.40	49.80	147.64	221.84	31.35	9.45	14.85	270.00
		Rerua Bujurg Danda	143.06	3.32	6.64	3.73	15.00	30.62	90.77	136.39	19.27	5.81	9.13	166.00
		Dariya	187.87	4.36	8.72	4.89	19.70	40.21	119.20	179.12	25.31	7.63	11.99	218.00
	Total		**563.66**	**13.09**	**26.16**	**14.68**	**59.11**	**120.65**	**357.64**	**537.41**	**75.94**	**22.90**	**35.99**	**654.00**
6	Newly Basa (2C2A4b1b)	Newly Basa	232.71	5.40	10.80	6.06	24.41	49.81	147.65	221.87	31.35	9.45	14.86	270.00
		Lodhi Pura	91.35	2.12	4.24	2.38	9.58	19.55	57.96	87.10	12.31	3.71	5.83	106.00
	Total		**324.06**	**7.52**	**15.04**	**8.44**	**33.99**	**69.36**	**205.62**	**308.97**	**43.66**	**13.17**	**20.69**	**376.00**
7	Khandaut (2C2A4a2d)	Khandaut	581.63	13.50	26.99	15.15	61.00	124.49	369.05	554.54	78.36	23.63	37.13	675.00
	Total		**581.63**	**13.50**	**26.99**	**15.15**	**61.00**	**124.49**	**369.05**	**554.54**	**78.36**	**23.63**	**37.13**	**675.00**
8	Mamna	Mamna	407.64	9.46	18.92	10.62	42.75	87.25	258.65	388.66	54.92	16.56	26.02	473.00

	(2C2A2b2g)	Bhikampur	177.52	4.12	8.24	4.62	18.62	38.00	112.64	169.26	23.92	7.21	11.33	206.00
		Gahuli	33.60	0.78	1.56	0.88	3.52	7.19	21.32	32.03	4.53	1.37	2.15	39.00
	Total		**618.77**	**14.36**	**28.72**	**16.11**	**64.89**	**132.44**	**392.61**	**589.95**	**83.36**	**25.14**	**39.50**	**718.00**
9	Gahuli (2C2A2b2f)	Nivauli	70.67	1.64	3.28	1.84	7.41	15.13	44.84	67.38	9.52	2.87	4.51	82.00
		Puraini	379.18	8.80	17.60	9.88	39.77	81.16	240.59	361.52	51.08	15.40	24.21	440.00
	Total		**449.85**	**10.44**	**20.88**	**11.72**	**47.18**	**96.29**	**285.43**	**428.90**	**60.61**	**18.28**	**28.72**	**522.00**
10	Puraini (2C2A2b1e)	Gahuli	86.19	2.00	4.00	2.24	9.04	18.45	54.69	82.17	11.61	3.50	5.50	100.00
		Maharajpur	129.26	3.00	6.00	3.37	13.56	27.67	82.02	123.24	17.41	5.25	8.25	150.00
		Bangra	49.98	1.16	2.32	1.30	5.24	10.70	31.71	47.65	6.73	2.03	3.19	58.00
		Chaidi Paini	81.88	1.90	3.80	2.13	8.59	17.53	51.95	78.06	11.03	3.33	5.23	95.00
		Tikri Parmal	116.32	2.70	5.40	3.03	12.20	24.90	73.81	110.91	15.67	4.73	7.43	135.00
	Total		**463.63**	**10.76**	**21.52**	**12.07**	**48.62**	**99.24**	**294.17**	**442.03**	**62.46**	**18.84**	**29.60**	**538.00**
11	Kathari (2C2A2b1g)	Katehari	421.91	9.79	19.58	10.99	44.25	90.31	267.70	402.26	56.84	17.14	26.94	490.00
		Dhohal Khurd	18.96	0.44	0.88	0.49	1.99	4.06	12.03	18.07	2.55	0.77	1.21	22.00
	Total		**440.86**	**10.23**	**20.46**	**11.48**	**46.24**	**94.36**	**279.73**	**420.33**	**59.40**	**17.91**	**28.15**	**512.00**
12	Bilgaon (2C2A2b1f)	Bilgaon	439.23	10.20	20.38	11.44	46.06	94.01	278.69	418.77	59.18	17.84	28.04	510.00
		Katehari	17.21	0.40	0.80	0.45	1.80	3.68	10.92	16.41	2.32	0.70	1.10	20.00
	Total		**456.44**	**10.60**	**21.18**	**11.89**	**47.87**	**97.70**	**289.61**	**435.18**	**61.49**	**18.54**	**29.14**	**530.00**
	Grand Total		**5990.00**	**139.06**	**278.00**	**156.00**	**628.21**	**1282.12**	**3800.67**	**5711.00**	**807.00**	**243.36**	**382.42**	**6953.00**

(*Source: LDWR, Rath-I, Hamirpur, U.P.*)

2.3 Physiography

The micro-watersheds of IWMP-IV are situated at an elevation of some 71 to 134 m above mean sea level and have relief from 14 to 59 m. The watershed has a general slope of less than 1.85 per cent. General topography of the watershed is mild to gentle. Elevation range and relief are given in Table 2.3.

Table 2.3: Micro-watershed wise elevation range and relief

S.N.	Name of microwatershed	Minimum	Maximum	Relief
1	Barhaira	107	133	26
2	Manakhari	115	134	19
3	Panchkhura	110	132	22
4	Harsundi	82	124	42
5	Rerua Bujurg	79	129	50
6	Newly Basa	92	125	33
7	Khandaut	92	134	42
8	Mamna	111	130	19
9	Gahuli	117	131	14
10	Puraini	111	131	20
11	Kathari	79	124	45

12	Bilgaon	71	130	59

2.4 **Slope**: Spatial distribution of different slope classes is prepared using Arc GIS and slopes are divided into five classes' viz. 0-0.5, 0.5-1.0, 1-3, 3-5, and more than 5 per cent. Per cent areal extent of different slope classes in IWMP-IV micro-watershed is shown in Table 2.4. The dominant slope category in the micro-watershed were 1-3 per cent (50.56%) followed by 3-5 per cent (21.48%).

Table 2.4: Areal extent of various slope classes in the micro-watershed of IWMP-IV

S.N.	Name of MWS & code	Slope range wise area (ha.)						Total Project Area
		0-0.5%	0.5-1.0%	1-3%	3-5%	>5%		
						Undulating	Terraced	
1	Barhaira (2C2A4b2a)	25.35	37.35	251.79	106.97	76.54		498
2	Manakhari (2C2A4b2e)	28.25	41.63	280.61	119.21	85.30		555
3	Panchkhura (2C2A2b2c)	28.71	42.30	285.16	121.15	86.69		564
4	Harsundi (2C2A4b1a)	41.28	60.83	410.04	174.20	124.65		811
5	Rerua Bujurg (2C2A4a2c)	33.29	49.05	330.66	140.48	100.52		654
6	Newly Basa (2C2A4b1b)	19.14	28.20	190.11	80.76	57.79		376
7	Khandaut (2C2A4a2d)	34.36	50.63	341.28	144.99	103.75		675
8	Mamna (2C2A2b2g)	36.55	53.85	363.02	154.23	110.36		718
9	Gahuli (2C2A2b2f)	26.57	39.15	263.92	112.13	80.23		522
10	Puraini (2C2A2b1e)	27.38	40.35	272.01	115.56	82.69		538
11	Kathari (2C2A2b1g)	26.06	38.40	258.87	109.98	78.69		512
12	Bilgaon (2C2A2b1f)	26.98	39.75	267.97	113.84	81.46		530
	Total	**353.91**	**521.48**	**3515.44**	**1493.50**	**1068.68**		**6953**

2.5. Climate

The annual rainfall of the District Hamirpur varies from 454 to 1009 mm, about 90% of which is received during South-West monsoon period. The major part of the rainfall is received during the month of July, August and September. The winter rains are erratic, occasional and uncertain. The total rainy days/year vary from 32-45 in the region with an average of 37. 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 Hamirpur 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 presented in Table 2.5.

Table 2.5: Average monthly rainfall and temperature at IWMP-IV Hamirpur

Month	Temperature ^{0}C							
	2006	**2007**	**2008**	**2009**	**2010**	**Average**	**Max.**	**Min.**
Junuary	0	0	-	2.8	2.2	1.25	13.50	6.00
February	0	57.8	-	1.8	22.10	20.43	29.00	11.00
March	10.7	7.1	0	2.0	0	3.96	38.00	16.00
April	0	0	0	5.2	0	1.04	44.00	18.00
May	13.2	0.7	2.2	31.20	0.5	9.56	46.00	19.00
June	43.30	56.9	219.50	10.70	14.20	68.92	47.00	19.00
July	228.20	115.20	431.00	179.40	148.80	220.52	46.00	19.00
August	87.5	155.80	229.3	204.40	166.90	168.78	43.00	18.50
September	55.7	60.40	109.90	135.10	139.00	100.02	40.00	18.00
October	7.3	1.1	5.8	86.40	25.00	25.12	38.00	16.00
November	8.1	0	11.4	17.20	20.70	11.48	29.00	15.00
December	0	3.3	0	6.8	0.5	2.12	24.00	8.50
Total	**454.00**	**458.30**	**1009.10**	**683.00**	**539.90**	**628.86**	**36.46**	**15.33**

Source: Data site of Agro-meteorological Deptt.

The open pan evaporation varied in the range of 0.9 to 28 mm/day during the year with average of about 7 mm/day. Average relative humidity varied in the range of 27 to 97 per cent; however the range of wind speed is 0.9 to 26 kmph. The details of flood and drought in the project area are showed in Table 2.6.

Table 2.6: Details of flood and drought in the project area IWMP-IV Hamirpur) Project IWMP- IV

Name of Micro Watershed	Particulars	Villages	Periodicity		Not affected
			Annual	Any other (please specify)	
Barhaira (2C2A4b2a)	Flood	No. of villages	-	-	-
Manakhari (2C2A4b2e)		Name(s) of villages	-	-	-
Panchkhura (2C2A2b2c)	Drought	**No. of villages**- 26	-	-	
Harsundi (2C2A4b1a)		**Name of Village:** Barhaira, Sikrondha, Budi, Manakhari, Jariya Tila, Panchkhura, Mamna, Bilpur, Harsundi, Kadaura, Newly Basa, Rerua Bujurg Danda, Dariya, Lodhi Pura, Khandaut, Bhikampur, I Nivauli, Puraini, Maharajpur, Bangra, Chhedipaini, Tikri Parmal, Katehari, Dhohal Khurd and Bilgaon.	The District Hamirpur facing severe dry spells from 2004 to 2007, while during 2008 normal rainfall occurs. In the district uncertain rainfall is common feature needs to protect every rain drop in the fields for recharging.		-
Rerua Bujurg (2C2A4a2c)					
Newly Basa (2C2A4b1b)					
Khandaut (2C2A4a2d)					
Mamna (2C2A2b2g)					
Gahuli (2C2A2b2f)					
Puraini (2C2A2b1e)					
Kathari (2C2A2b1g)					
Bilgaon (2C2A2b1f)					

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. The PRA of Barhaira (2C2A4b2a), Manakhari (2C2A4b2e), Panchkhura (2C2A2b2c), Harsundi (2C2A4b1a), Rerua Bujurg (2C2A4a2c), Newly Basa (2C2A4b1b), Khandaut (2C2A4a2d), Mamna (2C2A2b2g), Gahuli (2C2A2b2f), Puraini (2C2A2b1e), Kathari (2C2A2b1g) and Bilgaon (2C2A2b1f) micro-watershed are conducted and described in the subsequent sections.

3.1. Social-Economic Analysis

It is apparent from the social profile that the micro-watershed is inhabited by different caste and class. About 22.45 per cent of the population is scheduled caste. Population details of the IWMP-IV are depited in Table 3.1. In general 9 per cent population migrate from the project area due to drought and earn more money, however, migration was more than 50 per cent during 2006-07 due to continuous drought from 2004 to 2007 in the district. Majority of population migrate to New Delhi, Haryana and Punjab during drought.The scenario of migration and infrastructure available and common properties resources available in the project is depicted in Table 3.2, 3.3 and 3.4, respectively.

Table 3.1: Demographic Features in the project area (IWMP-IV Hamirpur)

Name of Micro Watershed With Code	Name of Gram Panchayat	Total Population			Population of SC/ST		
		Total	Male	Female	Total	Male	Female
Barhaira (2C2A4b2a)	Barhaira	2543	1402	1141	425	233	192
Manakhari (2C2A4b2e)	Manakhari	840	457	383	296	153	143
Panchkhura (2C2A2b2c)	Panchkhura	1949	1071	878	384	215	169
Harsundi (2C2A4b1a)	Tai	531	281	250	21	13	8
Rerua Bujurg (2C2A4a2c)	Harsundi	2108	1137	971	410	225	185
Newly Basa (2C2A4b1b)	Basariya	973	530	443	127	73	54
Khandaut (2C2A4a2d)	Newly Basa	1418	770	648	216	128	88
Mamna (2C2A2b2g)	Lodhi Pura	1222	658	564	309	163	146
Gahuli (2C2A2b2f)	Khandaut	1877	1000	877	211	101	110
Puraini (2C2A2b1e)	Mamna	4387	2347	2040	1757	957	800
Kathari (2C2A2b1g)	Puraini	4775	2692	2083	922	523	399
Bilgaon (2C2A2b1f)	Katehari	1000	550	450	247	134	113
	Bilgaon	476	247	229	86	46	40
	Total	**24099**	**13142**	**10957**	**5411**	**2964**	**2447**

Table 3.2: Details of migration from Project area (IWMP-IV Hamirpur): Pre-project status

Name of Watershed With Code	Name of Gram Panchayat	No. of persons migrating	No. of days per year of migration	major reason (s) for migration	Distance of destination of migration from the village (km)	Occupation during migration	Income from such occupation (Rs. in lakh)
Barhaira (2C2A4b2a)	Barhaira	191	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
Manakhari (2C2A4b2e)	Manakhari	63	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
Panchkhura(2C2A2b2c)	Panchkhura	146	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
Harsundi (2C2A4b1a)	Tai	42	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
Rerua Bujurg (2C2A4a2c)	Harsundi	171	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
Newly Basa (2C2A4b1b)	Basariya	76	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
Khandaut (2C2A4a2d)	Newly Basa	106	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
Mamna (2C2A2b2g)	Lodhi Pura	92	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
Gahuli (2C2A2b2f)	Khandaut	141	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
Puraini (2C2A2b1e)	Mamna	329	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
Kathari (2C2A2b1g)	Puraini	358	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
Bilgaon (2C2A2b1f)	Katehari	75	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
	Bilgaon	38	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
	Total	**1827**					

3.2. Infrastructure available in the Project IWMP-IV

The project IWMP-IV micro-watershed are well connected to the pucca road and Primary and Secondary education is vailable in each villages concerned to the project area. The villages of the project have Banking system with in the range; have post office, Mandis, Veterinary and primary health service centres. The villages of the project area are well connected with limited hour electricity supply facilities. The drinking water is a problem during summer season, the availability of drinking water is limited during summers rest period have sufficient water for drinking except for irrigation. The details of infrastructure available in the Micro watershed presented in the Table 3.3.1 to 3.3.12.

Table 3.3.1 Details of Infrastructure available in the Project

S.N	Name of Micro Watershed	Parameters	Status			
1	Barhaira (2C2A4b2a)	Name of villages connected to the main road by an all-weather road	Rath to Sarila Jalalpur road 40 Km			
		Village's Name provided with electricity	Barhaira			
		No. of households without access to drinking water	-			
		No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 01	(S) 01	(HS)	(VI)
		Names of villages with access to Primary Health Centre	Rath			
		Names of villages with access to Veterinary Dispensary	Mamna			
		Names of villages with access to Post Office	Barhaira			
		Names of villages with access to Banks	Mamna			
		Names of villages with access to Markets/ mandis Names of villages with access to Agro-industries	Sarila Rath			
		Total quantity of surplus milk deficit	NIL			
		No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) -
		Name of villages with access to Anganwadi Centre	Barhaira			
		Cummunity centre, Panchayat Ghar	Barhaira			

Table 3.3.2 Details of Infrastructure available in the Project

S.N.	Name of Micro Watershed	Parameters	Status			
2	Mankehari (2C2A4b2e)	Name of villages connected to the main road by an all-weather road	Rath to Sarila Jalalpur road 36 Km			
		Village's Name provided with electricity	Mankehari			
		No. of households without access to drinking water	-			
		No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 0	(S) 0	(HS) 13	(VI) -
		Names of villages with access to Primary Health Centre	Rath			
		Names of villages with access to Veterinary Dispensary	Mamna			
		Names of villages with access to Post Office	Mankehari			
		Names of villages with access to Banks	Sarila			
		Names of villages with access to Markets/ mandis	RAth			
		Names of villages with access to Agro-industries	Rath			
		Total quantity of surplus milk deficit	NIL			
		No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 18
		Name of villages with access to Anganwadi Centre	Mankehari			
		Cummunity centre, Panchayat Ghar	Mankehari			

Table 3.3.3 Details of Infrastructure available in the Project

S.N.	Name of Micro Watershed	Parameters	Status			
3	Panchkhura (2C2A2b2c)	Name of villages connected to the main road by an all-weather road	Rath to Sarila Panchkhura road 36 Km.			
		Village's Name provided with electricity	Panchkhura			
		No. of households without access to drinking water	-			
		No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 0	(S) 0	(HS) 10	(VI) -
		Names of villages with access to Primary Health Centre	Rath			
		Names of villages with access to Veterinary Dispensary	Mamna			
		Names of villages with access to Post Office	Harsundi			
		Names of villages with access to Banks	Sarila			
		Names of villages with access to Markets/ mandis	RAth			
		Names of villages with access to Agro-industries	Rath			
		Total quantity of surplus milk deficit	N.A			
		No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 10
		Name of villages with access to Anganwadi Centre	Panchkhura			
		Cummunity centre, Panchayat Ghar	Panchkhura			

Table 3.3.4 Details of Infrastructure available in the Project

S.N.	Name of Micro Watershed	Parameters	Status			
4	Harsundi (2C2A4b1a)	Name of villages connected to the main road by an all-weather road	Rath to Sarila Harsundi road 40 Km			
		Village's Name provided with electricity	Harsundi			
		No. of households without access to drinking water	-			
		No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 0	(S) 0	(HS) 6	(VI) -
		Names of villages with access to Primary Health Centre	Jalalpur			
		Names of villages with access to Veterinary Dispensary	Jalalpur			
		Names of villages with access to Post Office	Harsundi			
		Names of villages with access to Banks Names of villages with access to Markets/ mandis	Mamna Rath			
		Names of villages with access to Agro-industries	Rath			
		Total quantity of surplus milk deficit	NIL			
		No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 06
		Name of villages with access to Anganwadi Centre	Harsundi			
		Cummunity centre, Panchayat Ghar	Harsundi			

Table 3.3.5 Details of Infrastructure available in the Project

S.N.	Name of Micro Watershed	Parameters	Status			
5	Rerua Bujurg (2C2A4a2c)	Name of villages connected to the main road by an all-weather road	Rath to Sarila Jalal pur road 48 Km			
		Village's Name provided with electricity	Rerua Bujurg			
		No. of households without access to drinking water				
		No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 0	(S) 0	(HS) 18	(VI) -
		Names of villages with access to Primary Health Centre	Mamna			
		Names of villages with access to Veterinary Dispensary	Mamna			
		Names of villages with access to Post Office	Newly basa			
		Names of villages with access to Banks Names of villages with access to Markets/ mandis	Sarila Rath			
		Names of villages with access to Agro-industries	Rath			
		Total quantity of surplus milk deficit	NIL			
		No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 18
		Name of villages with access to Anganwadi Centre	Rerua Bujurg			
		Cummunity centre, Panchayat Ghar	Rerua Bujurg			

Table 3.3.6 Details of Infrastructure available in the Project

S.N.	Name of Micro Watershed	Parameters	Status			
6	Newly Basa (2C2A4b1b)	Name of villages connected to the main road by an all-weather road	Rath to Sarila Jalalpur road 47 Km			
		Village's Name provided with electricity	Newly Basa			
		No. of households without access to drinking water				
		No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 0	(S) 0	(HS) 18	(VI) -
		Names of villages with access to Primary Health Centre	Jalalpur			
		Names of villages with access to Veterinary Dispensary	Jalalpur			
		Names of villages with access to Post Office	Newly Basa			
		Names of villages with access to Banks Names of villages with access to Markets/ mandis	Mamna Rath			
		Names of villages with access to Agro-industries	Rath			
		Total quantity of surplus milk deficit	NIL			
		No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 1
		Name of villages with access to Anganwadi Centre	Newly Basa			
		Cummunity centre, Panchayat Ghar	Newly Basa			

Table 3.3.7 Details of Infrastructure available in the Project

S.N.	Name of Micro Watershed	Parameters	Status			
7	Khandaut (2C2A4a2d)	Name of villages connected to the main road by an all-weather road	Rath to Sarila Mamna road 42 Km			
		Village's Name provided with electricity	Khandaut			
		No. of households without access to drinking water	-			
		No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 0	(S) 2	(HS) 20	(VI) -
		Names of villages with access to Primary Health Centre	Mamna			
		Names of villages with access to Veterinary Dispensary	Mamna			
		Names of villages with access to Post Office	Mamna			
		Names of villages with access to Banks Names of villages with access to Markets/ mandis	Mamna Rath			
		Names of villages with access to Agro-industries	Rath			
		Total quantity of surplus milk deficit	NIL			
		No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 4
		Name of villages with access to Anganwadi Centre	Khandaut			
		Cummunity centre, Panchayat Ghar	Khandaut			

Table 3.3.8 Details of Infrastructure available in the Project

S.N.	Name of Micro Watershed	Parameters	Status			
8	Mamna (2C2A2b2g)	Name of villages connected to the main road by an all-weather road	Rath to Sarila Mamna road 32 Km			
		Village's Name provided with electricity	Mamna			
		No. of households without access to drinking water	-			
		No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 0	(S) 0	(HS) 7	(VI) -
		Names of villages with access to Primary Health Centre	Mamna			
		Names of villages with access to Veterinary Dispensary	Mamna			
		Names of villages with access to Post Office	Mamna			
		Names of villages with access to Banks Names of villages with access to Markets/ mandis	Mamna Rath			
		Names of villages with access to Agro-industries	Rath			
		Total quantity of surplus milk deficit	NIL			
		No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 1
		Name of villages with access to Anganwadi Centre	Mamna			
		Community centre, Panchayat Ghar	Mamna			

Table 3.3.9 Details of Infrastructure available in the Project

S.N.	Name of Micro Watershed	Parameters	Status			
9	Gahuli (2C2A2b2f)	Name of villages connected to the main road by an all-weather road	Rath to Sarila Jalalpur road 37 Km			
		Village's Name provided with electricity	Gahuli			
		No. of households without access to drinking water	-			
		No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 0	(S) 0	(HS) 12	(VI) -
		Names of villages with access to Primary Health Centre	Mamna			
		Names of villages with access to Veterinary Dispensary	Mamna			
		Names of villages with access to Post Office	Mamna			
		Names of villages with access to Banks	Mamna			
		Names of villages with access to Markets/ mandis	Rath			
		Names of villages with access to Agro-industries	Rath			
		Total quantity of surplus milk deficit	NIL			
		No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 5
		Name of villages with access to Anganwadi Centre	Gahuli			
		Cummunity centre, Panchayat Ghar	Mamna			

Table 3.3.10 Details of Infrastructure available in the Project

S.N.	Name of Micro Watershed	Parameters	Status			
10	Puraini (2C2A2b1e)	Name of villages connected to the main road by an all-weather road	Rath to Sarila Jalalpur road 33 Km			
		Village's Name provided with electricity	Puraini			
		No. of households without access to drinking water	-			
		No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 0	(S) 0	(HS) 10	(VI) -
		Names of villages with access to Primary Health Centre	Mamna			
		Names of villages with access to Veterinary Dispensary	Mamna			
		Names of villages with access to Post Office	Puraini			
		Names of villages with access to Banks	Sarila			
		Names of villages with access to Markets/ mandis	Rath			
		Names of villages with access to Agro-industries	Rath			
		Total quantity of surplus milk deficit	NIL			
		No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 18
		Name of villages with access to Anganwadi Centre	Puraini			
		Cummunity centre, Panchayat Ghar	Puraini			

Table 3.3.11 Details of Infrastructure available in the Project

S.N.	Name of Micro Watershed	Parameters	Status			
11	Katehari (2C2A2b1g)	Name of villages connected to the main road by an all-weather road	Rath to Sarila Jalalpur road 52 Km			
		Village's Name provided with electricity	Katehari			
		No. of households without access to drinking water	-			
		No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 0	(S) 0	(HS) 10	(VI) -
		Names of villages with access to Primary Health Centre	Mamna			
		Names of villages with access to Veterinary Dispensary	Mamna			
		Names of villages with access to Post Office	Dhoul Khurd			
		Names of villages with access to Banks	Mamna			
		Names of villages with access to Markets/ mandis	Rath			
		Names of villages with access to Agro-industries	Rath			
		Total quantity of surplus milk deficit	NIL			
		No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 15
		Name of villages with access to Anganwadi Centre	Katehari			
		Cummunity centre, Panchayat Ghar	Katehari			

Table 3.3.12 Details of Infrastructure available in the Project

S.N.	Name of Micro Watershed	Parameters	Status			
12	Bilgaon (2C2A2b1f)	Name of villages connected to the main road by an all-weather road	Rath to Sarila Jalalpur road 48 Km			
		Village's Name provided with electricity	Bilgaon			
		No. of households without access to drinking water	-			
		No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 0	(S) 5	(HS) 5	(VI) -
		Names of villages with access to Primary Health Centre	Mamna			
		Names of villages with access to Veterinary Dispensary	Mamna			
		Names of villages with access to Post Office	Dhoul Bujurg			
		Names of villages with access to Banks	Mamna			
		Names of villages with access to Markets/ mandis	Rath			
		Names of villages with access to Agro-industries	Rath			
		Total quantity of surplus milk deficit	NIL			
		No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 7
		Name of villages with access to Anganwadi Centre	Bilgaon			
		Cummunity centre, Panchayat Ghar	Bilgaon			

3.3. Common Property Resources in the Project IWMP-IV

In the project area plenty of land available for treatment like temporary fallow, permanent fallow and degraded land of Pvt persons with forest, community and PRI land. The details of common property rerources presented in the Table 3.4.1 to 3.4.12.

Table 3.4.1: Details of common property resources in IWMP-IV Hamirpur

Sr. No.	Names of MWS with code	CPR Particulars	Total Area (ha) Area owned/ In possession of				Area available for treatment (ha)			
			Pvt. persons	Govt. Revanue	PRI	Other	Pvt. persons	Govt. (Specify dept.)	PRI	Other
1	Barhaira (2C2A4b2a)	Wasteland/ degraded land	31.07	-	17.42	-	31.07	-	17.42	-
		Pastures	-	-	-	-	-	-	-	-
		Orchards	-	-	-	-	-	-	-	-
		Village Woodlot	1.09	-	0.25	-	-	-	-	-
		Forest	13.45	23.34	-	-	11.00	-	-	-
		Village Ponds/ Tanks	-	-	1.02	-	-	-	1.02	-
		Community Buildings			17.42	-	-	-	-	-
		Weekly Markets	--	--	-	--	--	--	--	--
		Permanent markets	--	--	--	--	--	--	--	--
		Temples/ Places of worship	-	-	0.25	--	--	--	--	--
		Habitat, Chakmarg, Sector, Road etc	-	27.38	-	-	-	-	-	-
		Total	**44.61**	**50.72**	**36.36**		**43.07**		**18.44**	**-**

Table 3.4.2: Details of common property resources in IWMP-IV Hamirpur

Sr. No.	Names of MWS with code	CPR Particulars	Total Area (ha) Area owned/ In possession of				Area available for treatment (ha)			
			Pvt. persons	Govt. Revanue	PRI	Any other (Pl. Specify)	Pvt. persons	Govt. (specify dept.)	PRI	Any other (Pl. Specify)
2	Manakhari (2C2A4b2e)	Wasteland/ degraded land	34.63	-	19.42	-	34.63	-	19.42	-
		Pastures	-	-	-	-	-	-	-	-
		Orchards	-	-	-	-	-	-	-	-
		Village Woodlot	1.58	-	0.30	-	-	-	-	-
		Forest	16.10	38.30	-	-	23.53	10.00	-	-
		Village Ponds/ Tanks	-	-	1.05	-	-	-	1.05	-
		Community Buildings	-	-	19.42	-	-	-	-	-
		Weekly Markets	--	--	-	--	--	--	--	--
		Permanent markets	--	--	-	--	--	--	--	--
		Temples/ Places of worship	-	-	0.85	--	--	--	--	--
		Habitat, Chakmarg, Sector, Road etc	-	30.52	-	-	-	-	-	-
		Total	**52.31**	**68.82**	**41.04**		**58.16**		**20.47**	**-**

Table 3.4.3: Details of common property resources in IWMP-IV Hamirpur

Sr. No.	Names of MWS with code	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)
3	Panchkhura (2C2A2b2c)	Wasteland/ degraded land	35.20	-	19.74		35.20	-	19.74	-
		Pastures	-	0.65	-	-	-	0.65	-	-
		Orchards	-	-	-	-	-	-	-	-
		Village Woodlot	1.86	-	0.28	-	-	-	-	-
		Forest	16.32	36.09	-	-	11.23	13.04	-	-
		Village Ponds/ Tanks	-	-	0.95	-	-	-	0.95	-
		Community Buildings	-	-	19.74	-	-	-	-	-
		Weekly Markets	–	–	0.19	--	--	--	--	--
		Permanent markets	–	–	--	--	--	--	--	--
		Temples/ Places of worship			0.65	--	--	--	--	--
		Habitat, Chakmarg, Sector, Road etc	-	31.01	-	-	-	-	-	-
		Total	**53.38**	**67.75**	**41.55**		**46.43**		**20.69**	

Table 3.4.4: Details of common property resources in IWMP-IV Hamirpur

Sr. No.	Names of MWS with code	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)
4	Harsundi (2C2A4b1a)	Wasteland/ degraded land	50.60	-	28.38		50.60	-	28.38	
		Pastures	-	2.95	-	-	-	2.95	-	-
		Orchards	-	-	-	-	-	-	-	-
		Village Woodlot	1.98	-	0.43	-	-	-	-	-
		Forest	18.64	54.79	-	-	4.89	15.79	-	-
		Village Ponds/ Tanks	-	-	1.24	-	-	-	1.24	-
		Community Buildings	-	-	28.38	-	-	-	-	-
		Weekly Markets	--	--	-	--	--	--	–	--
		Permanent markets	--	--	--	--	--	--	–	--
		Temples/ Places of worship			0.24	--	--	--	–	--
		Habitat, Chakmarg, Sector, Road etc	-	44.59	-	-	-	-	-	-
		Total	**71.22**	**102.33**	**58.67**		**55.49**		**29.62**	**-**

Table 3.4.5: Details of common property resources in IWMP-IV Hamirpur

S. No.	Names of MWS with code	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)
5	Rerua Bujurg (2C2A4a2c)	Wasteland/ degraded land	40.84	-	22.90		40.84	-	22.90	
		Pastures	-	-	-	-	-	-	-	-
		Orchards	-	-	-	-	-	-	-	-
		Village Woodlot	1.96	-	0.52	-	-	-	-	-
		Forest	18.99	56.96	-	-	-	-	-	-
		Village Ponds/ Tanks	-	-	0.95	-	-	-	0.95	-
		Community Buildings	-	-	22.90	-	-	-	-	-
		Weekly Markets	--	--	-	--	--	--	--	--
		Permanent markets	--	--	--	--	--	--	--	--
		Temples/ Places of worship			0.27	--	--	--	--	--
		Habitat, Chakmarg, Sector, Road etc	-	35.99	-	-	-	-	-	-
		Total	**61.79**	**92.95**	**47.54**		**40.84**		**23.85**	**-**

Table 3.4.6: Details of common property resources in IWMP-IV Hamirpur

S. No.	Names of MWS with code	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)
6	Newly Basa (2C2A4b1b)	Wasteland/ degraded land	23.48	-	13.17		23.48	-	13.17	
		Pastures	-	-	-	-	-	-	-	-
		Orchards	-	-	-	-	-	-	-	-
		Village Woodlot	1.65	-	0.44	-	-	-	-	-
		Forest	8.73	28.38	6.55	-	-	-	-	-
		Village Ponds/ Tanks	-	-	1.15	-	-	-	1.15	-
		Community Buildings	-	-	13.17	-	-	-	-	-
		Weekly Markets	--	--	-	--	--	--	--	--
		Permanent markets	--	--	--	--	--	--	--	--
		Temples/ Places of worship			0.86	--	--	--	--	--
		Habitat, Chakmarg, Sector, Road etc	-	20.69	-	-	-	-	-	-
		Total	**33.86**	**49.07**	**35.34**		**23.48**		**14.32**	**-**

Table 3.4.7: Details of common property resources in IWMP-IV Hamirpur

S. No.	Names of MWS with code	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)
7	Khandaut (2C2A4a2d)	Wasteland/ degraded land	42.14	-	23.63		42.14	-	23.63	
		Pastures	-	-	-	-	-	-	-	-
		Orchards	-	-	-	-	-	-	-	-
		Village Woodlot	1.41	-	0.51	-	-	-	-	-
		Forest	15.67	50.93	11.75	-	-	-	-	-
		Village Ponds/ Tanks	-	-	0.41	-	-	-	0.41	-
		Community Buildings	-	-	23.63	-	-	-	-	-
		Weekly Markets	--	--	-	--	--	--	--	--
		Permanent markets	--	--	--	--	--	--	--	--
		Temples/ Places of worship		-	0.18	--	--	--	--	--
		Habitat, Chakmarg, Sector, Road etc	-	37.13	-	-	-	-	-	-
		Total	**59.22**	**88.06**	**60.11**		**42.14**		**24.04**	-

Table 3.4.8: Details of common property resources in IWMP-IV Hamirpur

S. No.	Names of MWS with code	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)
8	Mamna (2C2A2b2g)	Wasteland/ degraded land	44.83	-	25.14		44.83	-	25.14	
		Pastures	-	-	-	-	-	-	-	-
		Orchards	-	-	-	-	-	-	-	-
		Village Woodlot	0.66	-	-	-	-	-	-	-
		Forest	14.85	44.55	-	-	-	-	-	-
		Village Ponds/ Tanks	-	-	0.50	-	-	-	0.50	-
		Community Buildings	-	-	25.14	-	-	-	-	-
		Weekly Markets	--	--	-	--	--	--	--	--
		Permanent markets	--	--	--	--	--	--	--	--
		Temples/ Places of worship		-	0.18	--	--	--	--	--
		Habitat, Chakmarg, Sector, Road etc	-	39.50	-	-	-	-	-	-
		Total	**67.08**	**102.02**	**51.38**		**44.83**		**25.55**	-

Table 3.4.9: Details of common property resources in IWMP-IV Hamirpur

S. No.	Names of MWS with code	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)
9	Gahuli (2C2A2b2f)	Wasteland/ degraded land	32.60	-	18.28		32.60	-	18.28	
		Pastures	-	-	-	-	-	-	-	-
		Orchards	-	-	-	-	-	-	-	-
		Village Woodlot	1.99	-	0.42	-	-	-	-	-
		Forest	12.12	39.40	9.09	-	-	-	-	-
		Village Ponds/ Tanks	-	-	0.33	-	-	-	0.33	-
		Community Buildings	-	-	18.28	-	-	-	-	-
		Weekly Markets	--	--	-	--	--	--	--	--
		Permanent markets	--	--	--	--	--	--	--	--
		Temples/ Places of worship		-	0.30	--	--	--	--	--
		Habitat, Chakmarg, Sector, Road etc	-	28.72	-	-	-	-	-	-
		Total	**46.71**	**68.12**	**46.7**		**32.6**		**18.61**	-

Table 3.4.10: Details of common property resources in IWMP-IV Hamirpur

S. No.	Names of MWS with code	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)
10	Puraini (C2A2b1e)	Wasteland/ degraded land	33.59	-	18.84		33.59	-	18.84	
		Pastures	-	-	-	-	-	-	-	-
		Orchards	-	-	-	-	-	-	-	-
		Village Woodlot	1.89	-	0.53	-	-	-	-	-
		Forest	12.49	40.60	9.37	-	-	-	-	-
		Village Ponds/Tanks	-	-	0.41	-	-	-	0.41	-
		Community Buildings	-	-	18.84	-	-	-	-	-
		Weekly Markets	--	--	-	--	--	--	--	--
		Permanent markets	--	--	--	--	--	--	--	--
		Temples/ Places of worship		-	0.23	--	--	--	--	--
		Habitat, Chakmarg, Sector, Road etc	-	29.60	-	-	-	-	-	-
		Total	**47.97**	**70.2**	**48.22**		**33.59**		**19.25**	-

Table 3.4.11: Details of common property resources in IWMP-IV Hamirpur

S. No.	Names of MWS with code	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)
11	Kathari (2C2A2b1g)	Wasteland/ degraded land	31.94	-	17.91		31.94	-	17.91	
		Pastures	-	-	-	-	-	-	-	-
		Orchards	-	-	-	-	-	-	-	-
		Village Woodlot	1.87	-	0.75	-	-	-	-	-
		Forest	14.85	44.55	-	-	-	-	-	-
		Village Ponds/ Tanks	-	-	0.26	-	-	-	0.26	-
		Community Buildings	-	-	17.91	-	-	-	-	-
		Weekly Markets	--	--	-	--	--	--	--	--
		Permanent markets	--	--	--	--	--	--	--	--
		Temples/ Places of worship		-	0.25	--	--	--	--	--
		Habitat, Chakmarg, Sector, Road etc	-	28.15	-	-	-	-	-	-
		Total	**48.66**	**72.7**	**37.08**		**31.94**		**18.17**	-

Table 3.4.12: Details of common property resources in IWMP-IV Hamirpur

. No.	Names of MWS with code	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)
12	Bilgaon (2C2A2b1f)	Wasteland/ degraded land	33.07	-	18.54		33.07	-	18.54	
		Pastures	-	-	-	-	-	-	-	-
		Orchards	-	-	-	-	-	-	-	-
		Village Woodlot	0.85	-	0.20	-	-	-	-	-
		Forest Village Ponds/ Tanks	15.37 -	46.12 -	- 0.41	- -	- -	- -	- 0.41	- -
		Community Buildings	-	-	18.54	-	-	-	-	-
		Weekly Markets	--	--	-	--	--	--	--	--
		Permanent markets	--	--	--	--	--	--	--	--
		Temples/ Places of worship		-	-	--	--	--	--	--
		Habitat, Chakmarg, Sector, Road etc	-	29.14	-	-	-	-	-	-
		Total	**49.29**	**75.26**	**37.69**		**33.07**		**18.95**	-

3.4 Soil and Land Holding Pattern

Majority of the land of the project is medium textured soil. The details of soil in the project area of IWMP-IV are presented in the Table 3.5. On the size of holding details of farmer and their irrigated area are described in Table 3.6.

Table 3.5: Details of Soil texture in IWMP-IV Hamirpur

S. N.	MWS project	Area in different soil group (ha)			
		Light textured soil (sand, loamy sand)	Medium textured soil (Sandy loam, silt loam)	Heavy textured soil (Clayey)	MWS Total
1	Barhaira	94.30	276.75	38.95	410.00
2	Mankhari	72.18	319.20	9.62	401.00
3	Panchkhura	90.24	457.97	15.79	564.00
4	Harsundi	77.40	425.18	13.42	516.00
5	Rerua Bujurg	78.24	554.85	18.91	652.00
6	Newly Basa	44.64	316.57	10.79	372.00
7	Khandaut	141.75	482.63	50.63	675.00
8	Mamna	69.72	237.38	24.90	332.00
9	Gahuli	62.64	444.22	15.14	522.00
10	Puraini	60.48	428.90	14.62	504.00
11	Kathari	107.52	366.08	38.40	512.00
12	Bilgaon	111.30	378.95	39.75	530.00
	Total	**1010.41**	**4688.68**	**290.91**	**5990.00**

Table: 3.6: Details of land holding pattern in IWMP-IV Hamirpur

Name MWS with code	Name of Gram Panchayat	Type of Farmer	No. of households	No. of BPL households	Land holding (ha)		
					Irrigated	rainfed	Total
Barhaira (2C2A4b2a)	Barhaira	(i) Big (above 4 ha.)	8				
		(ii) Medium (2-4ha.)	65				
		(iii) Small (1-2 ha.)	112				
		(iv) Marginal (0-ha)	215	215			
		(v) Landless	15	15			
	Total		**415**	**230**	**9.96**	**428.88**	**438.84**
Manakhari (2C2A4b2e)	Mankehari	(i) Big (above 4 ha.)	3				
		(ii) Medium (2-4ha.)	29				
		(iii) Small (1-2 ha.)	45				
		(iv) Marginal (0-ha)	62	62			
		(v) Landless	6	6			
	Total		**145**	**68**	**11.10**	**478.00**	**489.10**
Panchkhura (2C2A2b2c)	Panchkhura	(i) Big (above 4 ha.)	6				
		(ii) Medium (2-4ha.)	49				
		(iii) Small (1-2 ha.)	90				
		(iv) Marginal (0-ha)	111	111			
		(v) Landless	12	12			
	Total		**268**	**123**	**11.28**	**485.79**	**497.07**
	Tai	(i) Big (above 4 ha.)	2				
		(ii) Medium (2-4ha.)	9				
		(iii) Small (1-2 ha.)	20				
		(iv) Marginal (0-ha)	43	43			
		(v) Landless	3	3			
	Total		**77**	**46**	**-**	**-**	**-**
Harsundi (2C2A4b1a)	Harsundi	(i) Big (above 4 ha.)	7				
		(ii) Medium (2-4ha.)	57				
		(iii) Small (1-2 ha.)	98				
		(iv) Marginal (0-ha)	165	165			
		(v) Landless	11	11			
	Total		**338**	**176**	**16.21**	**698.43**	**714.64**
Rerua Bujurg	Basariya	(i) Big (above 4 ha.)	5				
		(ii) Medium (2-4ha.)	33				
		(iii) Small (1-2 ha.)	56				

(2C2A4a2c)		(iv) Marginal (0-ha)	72	72			
		(v)Landless	6	6			
	Total		**172**	**78**	**13.09**	**563.66**	**576.75**
	Newly Basa	(i) Big (above 4 ha.)	5				
Newly Basa		(ii) Medium (2-4ha.)	37				
(2C2A4b1b)		(iii) Small (1-2 ha.)	77				
		(iv) Marginal (0-ha)	102	102			
		(v)Landless	12	12			
	Total		**233**	**114**	**7.52**	**324.06**	**331.58**
	Lodhipura	(i) Big (above 4 ha.)	6				
		(ii) Medium (2-4ha.)	28				
		(iii) Small (1-2 ha.)	74				
		(iv) Marginal (0-ha)	99	99			
		(v)Landless	8	8			
	Total		**215**	**107**	**-**	**-**	**-**
	Khandaut	(i) Big (above 4 ha.)	5				
Khandaut		(ii) Medium (2-4ha.)	40				
(2C2A4a2d)		(iii) Small (1-2 ha.)	85				
		(iv) Marginal (0-ha)	122	122			
		(v)Landless	10	10			
Mamna	**Total**		**262**	**132**	**13.50**	**581.63**	**595.13**
(2C2A2b2g)	Mamna	(i) Big (above 4 ha.)	25				
		(ii) Medium (2-4ha.)	180				
Gahuli		(iii) Small (1-2 ha.)	220				
(2C2A2b2f)		(iv) Marginal (0-ha)	297	297			
		(v)Landless	20	20			
	Total		**742**	**317**	**14.36** **10.44**	**618.77** **449.85**	**633.13** **460.29**
Puraini	Puraini	(i) Big (above 4 ha.)	29				
(2C2A2b1e)		(ii) Medium (2-4ha.)	179				
		(iii) Small (1-2 ha.)	228				
		(iv) Marginal (0-ha)	316	316			
		(v)Landless	23	23			
	Total		**775**	**339**	**10.76**	**463.63**	**474.39**
Kathari	Kathari	(i) Big (above 4 ha.)	5				
		(ii) Medium (2-4ha.)	32				

(2C2A2b1g)		(iii) Small (1-2 ha.)	50				
		(iv) Marginal (0-ha)	64	64			
		(v)Landless	7	7			
Bilgaon (2C2A2b1f)	**Total** Bilgaon		**158**	**71**	**10.23**	**440.86**	**451.09**
		(i) Big (above 4 ha.)	1				
		(ii) Medium (2-4ha.)	8				
		(iii) Small (1-2 ha.)	17				
		(iv) Marginal (0-ha)	41	41			
		(v)Landless	3	3			
	Total		**70**	**44**	**10.60**	**456.44**	**467.04**
	Grand Total		**3870**	**1845**	**139.06**	**5990.00**	**6129.06**

3.5 Major Crops, its Productivity and Production

The Micro-watershed wise fallowing crops are growing and their productivity and production under irrigated and rainfed condition is given in Table 3.7. The productivity of all crops is lower than the district, state and national average. Micro-watershed wise cropping intensity varied from 106 to 117 per cent for the project.

Table 3.7: Micro-watershed wise details of Crops, their Productivity and Production in IWMP-IV Hamirpur

1. **Name of MWS - Barhaira (2C2A4b2a)**

S.N.	crop	Area in (Ha.)		Productivity Q/Ha		Production (Q)			
						Grain/Main product		Fodder/Fuel /Other product.	
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed
A	**Khaif**								
1	Urd		90.47		4.7		425.21		106.30
2	Moong		38.52		4.5		173.34		43.34
3	Arhar		59.55		4.2		250.11		1000.44
4	Sorghum		25.62		4.2		107.60		110.54
5	Til		32.85		1.75		57.49		60.48
	Total		**247.01**				**1013.75**		**1321.10**
B	**Rabi**								
1	Wheat	9.96	129.89	22	15	326.7	1948.35	450.65	2214.65
2	Barley		19.34		16		309.44		335.65
3	Masoor		52.02		8.2		426.564		430.14
4	Gram		132.65		9.5		1260.175		1269.85
5	Linseed		26.58		5.2		138.216		145.03
6	Mustard		55.98		4.2		235.116		242.74
	Total	**9.96**	**416.46**				**4317.86**	**450.65**	**4638.06**
	Cultivable Area		**438.84**	**Cropping Intensity**		**113**			

2. **Name of MWS- Manakhari (2C2A4b2e)**

S.N.	crop	Area in (Ha.)		Productivity Q/Ha		Production (Q)			
						Grain/Main product		Fodder/Fuel/Other product.	
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed
A	**Khaif**								
1	Urd		42.96		4.2		180.43		45.11
2	Moong		29.29		4.6		134.73		33.68
3	Arhar		44.16		4.2		185.47		741.89
4	Sorghum		24.18		4.2		101.56		107.14
5	Til		42.86		1.75		75.01		80.45
	Total		**183.45**				**677.20**		**1008.27**
B	**Rabi**								
1	Wheat	11.10	115.85	22	15	149.38	1737.75	335.87	2154.81
2	Barley		14.85		16		237.60		380.16
3	Masoor		35.56		8.2		291.59		295.78
4	Gram		99.36		9.5		943.92		945.41
5	Linseed		43.39		5.2		225.63		230.65
6	Mustard		27.6		4.2		115.92		120.47
	Total	**11.10**	**336.61**				**3552.41**		**4127.28**
	Cultivable Area		**489.10**	**Cropping Intensity**		**115**			

3. **Name of MWS- Panchkhura (2C2A2b2c)**

S.N.	crop	Area in (Ha.)		Productivity Q/Ha		Production (Q)			
						Grain/Main product		Fodder/Fuel/Other product.	
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed
A	**Khaif**								
1	Urd		60.85		4.3		261.66		65.41
2	Moong		47.1		4.6		216.66		54.17
3	Arhar		62.16		4.2		261.07		1044.29
4	Sorghum		36.75		4.2		154.35		160.47
5	Til		33.6		1.60		58.80		63.86
	Total		**240.46**				**952.54**		**1388.20**
B	**Rabi**								
1	Wheat	11.28	142.71		15		2140.65		2654.41
2	Barley		29.79		16		476.64		762.62
3	Masoor		55.35		8.2		453.87		460.12
4	Gram		135.76		9.5		1289.72		1295.45
5	Linseed		37.83		5.2		196.72		200.64
6	Mustard		55.78		4.2		234.28		240.1
	Total		**457.22**				**4791.87**		**5613.34**
	Cultivable Area		**497.07**	**Cropping Intensity**		**116**			

4. **Name of MWS- Harsundi (2C2A4b1a)**

S.N.	crop	Area in (Ha.)		Productivity Q/Ha		Production (Q)			
						Grain/Main product		Fodder/Fuel/Other product.	
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed
A	**Khaif**								
1	Urd		57.42		4.25		244.04		61.01
2	Moong		38.31		4.6		176.23		44.06
3	Arhar		53.83		4.2		226.09		836.52
4	Sorghum		31.62		4.2		132.80		137.87
5	Til		27.06		1.75		47.36		52.12
	Total		**208.24**				**826.51**		**1131.57**
B	**Rabi**								
1	Wheat	16.21	135.07		15		2026.05		2512.30
2	Barley		25.29		16		404.64		647.42
3	Masoor		41.28		8.2		338.50		345.08
4	Gram		129.44		9.5		1229.68		1235.74
5	Linseed		32.11		5.2		166.97		171.89
6	Mustard		58.21		4.2		244.48		235.41
	Total		**421.4**				**4410.32**		**5147.85**
	Cultivable Area		**714.64**	**Cropping Intensity**		**92.64**			

5. me of MWS - Rerua Bujurg (2C2A4a2c)									
						Production (Q)			
		Area in (Ha.)		Productivity Q/Ha		Grain/Main product		Fodder/Fuel/Other product	
S.N.	crop	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed
A	**Khaif**								
1	Urd		90.36		4.3		388.55		97.14
2	Moong		36.28		4.6		166.89		41.72
3	Arhar		50.98		4.2		214.12		749.41
4	Sorghum		29.95		4.2		125.79		132.54
5	Til		53.09		1.70		92.91		100.35
	Total		**260.66**				**988.25**		**1121.16**
B	**Rabi**								
1	Wheat	13.09	148.59	22.00	15	1672.00	2228.85	1950.36	2763.77
2	Barley		19.17		16		306.72		490.75
3	Masoor		40.53		8.2		332.35		340.41
4	Gram		135.23		9.5		1284.69		1290.23
5	Linseed		24.98		5.2		129.90		135.74
6	Mustard		60.50		4.2		254.10		260.56
	Total	**13.09**	**429.00**				**4536.60**	**1950.36**	**5281.47**
	Cultivable Area		**576.75**	**Cropping Intensity**		**117**			

6. Name of MWS – Newly Basa (2C2A4b1b)

S.N.	crop	Area in (Ha.)		Productivity Q/Ha		Production (Q)			
						Grain/Main product		Fodder/Fuel /Other product.	
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed
A	**Khaif**								
1	Urd		54.10		3.80		205.58		131.57
2	Moong		32.20		4.10		132.02		84.49
3	Arhar		62.00		5.10		316.20		537.54
4	Sorghum		22.80		5.10		116.28		127.91
5	Til		42.60		1.40		59.64		74.55
	Total		**213.70**						
B	**Rabi**								
1	Wheat	7.52	86.40	36	16.00	270.72	1382.40	341.1072	1728.00
2	Barley		12.60		16.00		201.60		252.00
3	Masoor		64.20		7.80		500.76		400.61
4	Gram		114.50		8.60		984.70		787.76
5	Linseed		16.40		4.10		67.24		60.52
6	Mustard		24.40		4.05		98.82		138.35
	Total		**318.50**						
	Cultivable Area		**331.58**	**Cropping Intensity**		**162.77**			

7. Name of MWS – Khandaut (2C2A4a2d)

S.N.	crop	Area in (Ha.)		Productivity Q/Ha		Production (Q)			
						Grain/Main product		Fodder/Fuel /Other product.	
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed

A	**Khaif**								
1	Urd		66.20		3.80		251.56		161.00
2	Moong		42.60		4.10		174.66		111.78
3	Arhar		68.40		5.10		348.84		593.03
4	Sorghum		36.20		5.10		184.62		203.08
5	Til		87.60		1.40		122.64		153.30
	Total		**301.00**						
B	**Rabi**								
1	Wheat	13.5	142.60	36	16.00	486	2281.60	612.36	2852.00
2	Barley		36.40		16.00		582.40		728.00
3	Masoor		84.60		7.80		659.88		527.90
4	Gram		120.30		8.60		1034.58		827.66
5	Linseed		22.10		4.10		90.61		81.55
6	Mustard		36.40		4.05		147.42		206.39
	Total		**442.40**						
	Cultivable Area		**595.13**	**Cropping Intensity**		**127.18**			

8. Name of MWS – Mamna (2C2A2b2g)

						Production (Q)			
		Area in (Ha.)		**Productivity Q/Ha**		**Grain/Main product**		**Fodder/Fuel /Other product.**	
S.N.	**crop**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**
A	**Khaif**								
1	Urd		85.60		3.80		325.28		208.18
2	Moong		52.60		4.10		215.66		138.02

3	Arhar		84.60		5.10		431.46		733.48
4	Sorghum		24.10		5.10		122.91		135.20
5	Til		66.20		1.40		92.68		115.85
	Total		**313.10**						
B	**Rabi**								
1	Wheat	14.36	156.20	36	16.00	516.96	2499.20	651.3696	3124.00
2	Barley		42.10		16.00		673.60		842.00
3	Masoor		96.20		7.80		750.36		600.29
4	Gram		136.20		8.60		1171.32		937.06
5	Linseed		45.60		4.10		186.96		168.26
6	Mustard		66.40		4.05		268.92		376.49
	Total		**542.70**						
	Cultivable Area		**633.13**	**Cropping Intensity**		**137.44**			

9. Name of MWS – Gahuli (2C2A2b2f)

						Production (Q)			
		Area in (Ha.)		**Productivity Q/Ha**		**Grain/Main product**		**Fodder/Fuel /Other product.**	
S.N.	**crop**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**
A	**Khaif**								
1	Urd		42.40		3.80		161.12		103.12
2	Moong		36.20		4.10		148.42		94.99
3	Arhar		26.10		5.10		133.11		226.29
4	Sorghum		12.30		5.10		62.73		69.00
5	Til		46.50		1.40		65.10		81.38
	Total		**163.50**						

B	**Rabi**								
1	Wheat	10.44	110.30	36	16.00	375.84	1764.80	473.5584	2206.00
2	Barley		12.30		16.00		196.80		246.00
3	Masoor		74.20		7.80		578.76		463.01
4	Gram		94.20		8.60		810.12		648.10
5	Linseed		36.50		4.10		149.65		134.69
6	Mustard		44.20		4.05		179.01		250.61
	Total		**371.70**						
	Cultivable Area		**460.29**	**Cropping Intensity**		**118.54**			

10. Name of MWS – Puraini (2C2A2b 1e)

						Production (Q)			
		Area in (Ha.)		**Productivity Q/Ha**		**Grain/Main product**		**Fodder/Fuel /Other product.**	
S.N.	**crop**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**
A	**Khaif**								
1	Urd		56.20		3.80		213.56		136.68
2	Moong		37.40		4.10		153.34		98.14
3	Arhar		32.10		5.10		163.71		278.31
4	Sorghum		18.40		5.10		93.84		103.22
5	Til		56.20		1.40		78.68		98.35
	Total		**200.30**						
B	**Rabi**								
1	Wheat	10.76	105.60	36	16.00	375.84	1689.60	473.5584	2112.00
2	Barley		18.20		16.00		291.20		364.00
3	Masoor		82.40		7.80		642.72		514.18
4	Gram		110.20		8.60		947.72		758.18

5	Linseed	38.40	4.10		157.44	141.70
6	Mustard	56.20	4.05		227.61	318.65
	Total	**411.00**				
	Cultivable Area	**474.39**	**Cropping Intensity**	**131.06**		

11. Name of MWS – Kathari (2C2A2b1g)

						Production (Q)			
		Area in (Ha.)		Productivity Q/Ha		Grain/Main product		Fodder/Fuel /Other product.	
S.N.	**crop**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**
A	**Khaif**								
1	Urd		26.30		3.80		99.94		63.96
2	Moong		22.40		4.10		91.84		58.78
3	Arhar		36.20		5.10		184.62		313.85
4	Sorghum		12.30		5.10		62.73		69.00
5	Til		74.60		1.40		104.44		130.55
	Total		**171.80**						
B	**Rabi**								
1	Wheat	10.44	95.20	36	16.00	375.84	1523.20	473.5584	1904.00
2	Barley		22.30		16.00		356.80		446.00
3	Masoor		74.60		7.80		581.88		465.50
4	Gram		92.10		8.60		792.06		633.65
5	Linseed		21.20		4.10		86.92		78.23
6	Mustard		18.40		4.05		74.52		104.33
	Total		**323.80**						
	Cultivable Area		**451.09**	**Cropping Intensity**		**112.18**			

12. Name of MWS –Bilgaon (2C2A2b1f)

S.N.	crop	Area in (Ha.)		Productivity Q/Ha		Production (Q)			
						Grain/Main product		Fodder/Fuel /Other product.	
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed
A	**Khaif**								
1	Urd		36.20		3.80		137.56		88.04
2	Moong		18.20		4.10		74.62		47.76
3	Arhar		36.20		5.10		184.62		313.85
4	Sorghum		14.30		5.10		72.93		80.22
5	Til		66.40		1.40		92.96		116.20
	Total		**171.30**						
B	**Rabi**								
1	Wheat	10.44	86.20	36	16.00	375.84	1379.20	473.5584	1724.00
2	Barley		18.20		16.00		291.20		364.00
3	Masoor		66.40		7.80		517.92		414.34
4	Gram		92.10		8.60		792.06		633.65
5	Linseed		21.20		4.10		86.92		78.23
6	Mustard		18.40		4.05		74.52		104.33
	Total		**302.50**						
	Cultivable Area		**467.04**	**Cropping Intensity**		**103.68**			

3.6 Agroforestry and Horticulture

There is no systematic agroforestry and orchard in the project area, however, few scattered trees of desi ber, aonla, guava, katahal, nibu etc. are found in the micro-watershed which is consumed locally (Table 3.7).

Table 3.8: Agroforestry & Horticulture Status

Name of Micro Watershed with code	Name of Gram Panchayat	Name of Important horticultural crop						
		Orchard				Scatterd fruit crop		
		Name	Area ha	Productivity qt/ha	Production qtls	No.	Productivity qtl/No	Production qtls
Barhaira(2C2A4b2a)	Barhaira	Nil	Nil	Nil	Nil	54	1.20	64.80
Manakhari(2C2A4b2e)	Manakhari	Nil	Nil	Nil	Nil	52	1.10	57.20
Panchkhura(2C2A2b2c)	Panchkhura	Nil	Nil	Nil	Nil	56	0.90	50.40
	Tai	Nil	Nil	Nil	Nil	66	0.85	56.10
Harsundi (2C2A4b1a)	Harsundi	Nil	Nil	Nil	Nil	56	1.00	56.00
Rerua Bujurg (2C2A4a2c)	Basariya	Nil	Nil	Nil	Nil	48	1.20	57.60
Newly Basa (2C2A4b1b)	Newly Basa	Nil	Nil	Nil	Nil	75	1.25	93.75
Khandaut (2C2A4a2d)	Lodhi Pura	Nil	Nil	Nil	Nil	56	1.20	67.20
Mamna (2C2A2b2g)	Khandaut	Nil	Nil	Nil	Nil	62	1.00	62.00
Gahuli (2C2A2b2f)	Mamna	Nil	Nil	Nil	Nil	84	1.15	96.60
Puraini (2C2A2b1e)	Puraini	Nil	Nil	Nil	Nil	62	0.95	58.90
Kathari (2C2A2b1g)	Kathari	Nil	Nil	Nil	Nil	56	0.90	50.40
Bilgaon (2C2A2b1f)	Bilgaon	Nil	Nil	Nil	Nil	57	1.10	62.70
	Total					**784**	**1.06**	**833.65**

3.7 Livestock and Fisheries

In the name of cattle mainly desi cow are found in the project which productivity are significantly lower than the average productivity of the district, state and national as well. The Details of livestock and its productivity are available in Table 3.9 and 3.10, respectively.

Table 3.9: Livestock Population in IWMP- IV, Hamirpur (All Figures are in No.)

Name of Micro watershed with code	Name of Gram Panchayat	cow		buffalo		Ox/Bull	Goat	Sheep	Piggeries	Poultry			other
		Desi	Crossed	Desi	Murrah					Broiler	Layer	Total	Specify
Barhaira(2C2A4b2a) Manakhari(2C2A4b2e) Panchkhura(2C2A2b2c) Harsundi (2C2A4b1a) Rerua Bujurg (2C2A4a2c) Newly Basa (2C2A4b1b) Khandaut (2C2A4a2d) Mamna (2C2A2b2g) Gahuli (2C2A2b2f) Puraini (2C2A2b1e) Kathari (2C2A2b1g) Bilgaon (2C2A2b1f)	Barhaira	350	46	260	36	95	1250	125	0	0	120	120	0
	Manakhari	360	65	450	75	120	1100	112	0	0	140	140	0
	Panchkhura	350	70	470	80	140	1150	100	0	0	160	160	0
	Tai	236	36	330	34	86	990	50	0	0	60	60	0
	Harsundi	280	55	340	56	110	1125	88	0	0	75	75	0
	Basariya	270	46	330	74	96	1010	80	0	0	54	54	0
	Newly Basa	360	76	450	84	110	1250	115	0	0	120	120	0
	Lodhi Pura	320	56	420	65	106	1060	101	0	0	96	96	0
	Khandaut	380	72	460	87	110	1250	90	0	0	110	110	0
	Mamna	454	37	520	86	140	1220	140	0	0	68	68	0
	Puraini	440	48	510	110	150	1240	102	0	0	74	74	0
	Kathari	250	46	320	36	89	1150	105	0	0	120	120	0
	Bilgaon	360	65	420	75	120	1200	110	0	0	140	140	0
Total		**4410**	**718**	**5280**	**898**	**1472**	**14995**	**1318**	**0**	**0**	**1337**	**1337**	

Table 3.10: Productivity of livestock in IWMP-IV Hamirpur

Name of Micro watershed with code	Name of Gram Panchayat	Milk Production (Liter Per day)				Goatry	Poultry		Piggeries weight kg/pig
		cow		buffalo					
		Desi	Crossed	Desi	Murrah	Weitht in Kg/goat	Broiler weight in Kg/Brl	Layers No. of eggs/yr	
Barhaira(2C2A4b2a)	Barhaira	2.60	4.50	3.40	5.60	25	-	135	
Manakhari(2C2A4b2e) Panchkhura(2C2A2b2c)	Manakhari	1.90	3.80	3.20	5.60	27	-	138	
	Panchkhura	2.00	4.20	3.50	5.40	24	-	128	
	Tai	1.60	3.10	3.80	5.60	22	-	136	
Harsundi (2C2A4b1a)	Harsundi	1.90	3.60	3.70	5.40	25	-	137	
Renua Bujurg (2C2A4a2c)	Basariya	1.80	3.80	3.60	5.50	28	-	134	
Newly Basa (2C2A4b1b)	Newly Basa	2.10	4.70	3.40	5.40	25	-	126	
	Lodhi Pura	2.30	4.30	3.70	5.20	29		142	
Khandaut (2C2A4a2d)	Khandaut	1.75	3.60	3.30	5.10	24		144	
Mamna (2C2A2b2g) Gahuli (2C2A2b2f)	Mamna	2.05	4.40	3.60	5.40	26		136	
Puraini (2C2A2b1e)	Puraini	2.00	4.10	3.80	5.60	27		128	
Kathari (2C2A2b1g)	Kathari	2.10	4.50	3.40	5.60	25	-	135	
Bilgaon (2C2A2b1f)	Bilgaon	1.90	4.40	3.20	5.60	27	-	138	
	Total Ag	**2.00**	**4.08**	**3.51**	**5.46**	**26**		**135**	

3.8 Forest and Grassland

There is no grassland available in the project; however, information on naturally generated/grown degraded forest is given in Table 3.11

Table 3.11: Forest, vegetative cover/grassland in IWMP-IV Hamirpur

Name of MWS with Code	Name of Gram Panchayat	Forest (Area ha)			Grassland (Area ha)		Other vegetative cover (Area ha)	
		Reserve	Gram Samaj (Natural/ Planted)	Total	Gram Samaj	Private	Gram Samaj	Private
Barhaira(2C2A4b2a)	Barhaira	22.33	11.45	33.78	-	-	11.45	8.05
Manakhari(2C2A4b2e)	Manakhari	101.73	78.98	180.71	-	-	74.98	4.39
Panchkhura(2C2A2b2c)	Panchkhura	37.81	18.56	56.37	15.49	-	18.56	-
	Tai		5.01	5.01	-	-	5.01	-
Harsundi (2C2A4b1a)	Harsundi	55.77	12.00	67.77	-	-	12.00	-
Renua Bujurg (2C2A4a2c)	Basariya	-	5.10	5.10	-	-	5.10	-
Newly Basa (2C2A4b1b)	Newly Basa	79.84	212.79	292.63	87.03		212.79	
	Lodhi Pura							
Khandaut (2C2A4a2d)	Khandaut							
Mamna (2C2A2b2g)	Mamna							
Gahuli (2C2A2b2f)	Puraini							
Puraini (2C2A2b1e)	Kathari							
Kathari (2C2A2b1g)	Bilgaon							
Bilgaon (2C2A2b1f)								
	Total	**57.32**	**73.41**	**130.73**	**15.49**		**42.00**	**4.39**

3.9 Livelihood Status

Assestless/landless people earn their livelihood mainly from labour and *batai*. They are earning about Rs. 2600 /per month. It is expected that their income will enhance due to watershed management as it will generate sustained employment opportunity. Intervention based on piggeries, fisheries, black smithy and carpentery are not in practice. Livelihood status of landless, farmers and interventions based livelihood status are shown in Table 3.12, 3.13 and 3.14, respectively.

Table 3.12: Livelihood Status of Landless People

name & Micro watershed with code	Name of Gram Panchayat	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	St	Other	Women	Total				
Barhaira (2C2A4b2a) Manakhari (2C2A4b2e) Panchkhura (2C2A2b2c) Harsundi (2C2A4b1a) Rerua Bujurg (2C2A4a2c) Newly Basa (2C2A4b1b) Khandaut (2C2A4a2d) Mamna	Barhaira	Labour/ Batai	4		9	2	15	18600	Goatary Poultry	21200	With Investment work i.e extra income in SHG
	Manakhari	Labour/ Batai	2		3	1	6	7400	Goatary Poultry	9900	With Investment work i.e extra income in SHG
	Panchkhura	Labour/ Batai	3		8	4	12	16400	Goatary Poultry Ropemaking	19500	With Investment work i.e extra income in SHG
	Tai	Labour/ Batai	1		2	-	3	5000	Goatary Poultry Ropemaking	7900	With Investment work i.e extra income in SHG
	Harsundi	Labour/ Batai	3		8	3	11	16200	Goatary Poultry	20200	With Investment work i.e extra income in SHG
	Basariya	Labour/ Batai	2		3	1	6	5200	Goatary Poultry	7800	With Investment work i.e extra income in SHG
	Newly Basa	Labour/ Batai	4		7	3	12	16900	Goatary Poultry	18850	With Investment work i.e extra income in SHG
	Lodhi Pura	Labour/ Batai	3		3	2	8	5800	Goatary Poultry Ropemaking	7300	With Investment work i.e extra income in SHG
	Khandaut	Labour/	3		5	2	10	16000	Goatary	17800	With Investment

(2C2A2b2g) Gahuli (2C2A2b2f) Puraini (2C2A2b1e) Kathari (2C2A2b1g) Bilgaon (2C2A2b1f)		Batai							Poultry		work i.e extra income in SHG
	Mamna	Labour/ Batai	5		10	5	20	20000	Goatary Poultry	22500	With Investment work i.e extra income in SHG
	Puraini	Labour/ Batai	5		12	6	23	21000	Goatary Poultry	23500	With Investment work i.e extra income in SHG
	Kathari	Labour/ Batai	2		4	1	7	5600	Goatary Poultry Ropemaking	7300	With Investment work i.e extra income in SHG
	Bilgaon	Labour/ Batai	1		1	1	3	5000	Goatary Poultry Ropemaking	7500	With Investment work i.e extra income in SHG
		Total	**38**		**75**	**31**	**136**	**12238**		**14712**	

Table 3.13: Details of Livelihood Status of the Farmers

Name & Code of Micro watershed	Name of Gram Panchayat	Name of Livelihood Activity	No. of house hold engaged					Pre Project Average Income	Desired Activities	Expected Income from desired activities	Remarks
			Sc	St	Other	Women	Total				
Barhaira (2C2A4b2a)	Barhaira	Agriculture+A.H. Labour Batai					400	30000-40000	Improvement of agri. Prod. Improvement of animal husbandry NRM, Livelihood activities	55000-65000	With Investment work i.e extra income in SHG
Manakhari (2C2A4b2e)	Manakhari	Agriculture+A.H. Labour Batai					139	30000-40000	Improvement of agri. Prod. Improvement of animal husbandry NRM, Livelihood activities	55000-65000	With Investment work i.e extra income in SHG
Panchkhura	Panchkhura	Agriculture+A.H. Labour Batai					256	30000-40000	Improvement of agri. Prod. Improvement of	55000-65000	With Investment

(2C2A2b2c)								animal husbandry NRM, Livelihood activities		work i.e extra income in SHG
	Tai	Agriculture+A.H. Labour Batai				74	30000-40000	Improvement of agri. Prod. Improvement of animal husbandry NRM, Livelihood activities	55000-65000	With Investment work i.e extra income in SHG
Harsundi (2C2A4b1a)	Harsundi	Agriculture+A.H. Labour Batai				327	30000-40000	Improvement of agri. Prod. Improvement of animal husbandry NRM, Livelihood activities	55000-65000	With Investment work i.e extra income in SHG
Rerua Bujurg (2C2A4a2c)	Basariya	Agriculture+A.H. Labour Batai				166	30000-40000	Improvement of agri. Prod. Improvement of animal husbandry NRM, Livelihood activities	55000-65000	With Investment work i.e extra income in SHG
Newly Basa (2C2A4b1b)	Newly Basa	Agriculture+A.H. Labour Batai				221	30000-40000	Improvement of agri. Prod. Improvement of animal husbandry NRM, Livelihood activities	55000-65000	With Investment work i.e extra income in SHG
	Lodhi Pura	Agriculture+A.H. Labour Batai				207	30000-40000	Improvement of agri. Prod. Improvement of animal husbandry NRM, Livelihood activities	55000-65000	With Investment work i.e extra income in SHG

Khandaut (2C2A4a2d)	Khandaut	Agriculture+A.H. Labour Batai				252	30000-40000	Improvement of agri. Prod. Improvement of animal husbandry NRM, Livelihood activities	55000-65000	With Investment work i.e extra income in SHG
Mamna (2C2A2b2g) Gahuli (2C2A2b2f)	Mamna	Agriculture+A.H. Labour Batai				722	30000-40000	Improvement of agri. Prod. Improvement of animal husbandry NRM, Livelihood activities	55000-65000	With Investment work i.e extra income in SHG
Puraini (2C2A2b1e)	Puraini	Agriculture+A.H. Labour Batai				752	30000-40000	Improvement of agri. Prod. Improvement of animal husbandry NRM, Livelihood activities	55000-65000	With Investment work i.e extra income in SHG
Kathari (2C2A2b1g)	Kathari	Agriculture+A.H. Labour Batai				151	30000-40000	Improvement of agri. Prod. Improvement of animal husbandry NRM, Livelihood activities	55000-65000	With Investment work i.e extra income in SHG
Bilgaon (2C2A2b1f)	Bilgaon	Agriculture+A.H. Labour Batai				67	30000-40000	Improvement of agri. Prod. Improvement of animal husbandry NRM, Livelihood activities	55000-65000	With Investment work i.e extra income in SHG

Table 3.14: Present Livelihood Status (No. of households/Income per year) in IWMP-IV Hamirpur

Income in Rs

Name of MWS with code	Name of Gram Panchayat	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
Barhaira (2C2A4b2a)	Barhaira	50	13300	13	22000	35	26800	-	-	-	-	-	-	-	-	-	-	74	12000	118	21000
Manakhari (2C2A4b2e)	Manakhari	45	92000			15	11000	-	-	-	-	-	-	-	-	-	-			50	12000
Panchkhura (2C2A2b2c)	Panchkhura	32	11200			22	19000	-	-	-	-	-	-	-	-	-	-	65	12000	105	26000
Harsundi (2C2A4b1a)	Tai	30	11700	8	15400	29	21500	-	-	-	-	-	-	-	-	-	-	66	12000	110	27500
Rerua Bujurg (2C2A4a2c)	Harsundi	46	11500	6	15400	26	21000	-	-	-	-	-	-	-	-	-	-	62	12000	108	22500
Newly Basa (2C2A4b1b)	Basariya	46	13200	12	22000	32	25000	-	-	-	-	-	-	-	-	-	-	67	12000	69	20000
Khandaut (2C2A4a2d)	Newly Basa	42	12000	10	11500	27	22000	-	-	-	-	-	-	-	-	-	-	72	12000	115	18000
Mamna (2C2A2b2g)	Lodhi Pura	53	13500	15	22000	38	25600	-	-	-	-	-	-	-	-	-	-	75	12000	120	24000
Gahuli (2C2A2b2f)	Khandaut	43	11000	7	22000	28	16000	-	-	-	-	-	-	-	-	-	-			79	20000
Puraini (2C2A2b1e)	Mamna	50	13300	13	22000	35	26800	-	-	-	-	-	-	-	-	-	-	74	12000	118	21000
Kathari (2C2A2b1g)	Puraini	45	92000			15	11000	-	-	-	-	-	-	-	-	-	-			50	12000
Bilgaon (2C2A2b1f)	Kathari	42	11200			22	19000	-	-	-	-	-	-	-	-	-	-	65	12000	105	26000
	Bilgaon	35	11700	8	15400	29	21500	-	-	-	-	-	-	-	-	-	-	66	12000	110	27500
	Total Avg.																				

3.10 Hydrology, Water resources and Soil and moisture Conservation

Open 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 are present, use of micro-irrigation is almost nil in the area. Groundwater status, irrigation status and source are given in Table 3.15, 3.16 and 3.17, respectively.

Table 3.15: Ground Water Status in IWMP-IV Hamirpur

Name & Code of Micro watershed	Name of Gram Panchayat	Depth of Ground water Table (Below Ground level) in Mater		No. of Observation well	Remarks
		Before Monsoon	After Monsoon		
Barhaira(2C2A4b2a) Manakhari(2C2A4b2e) Panchkhura(2C2A2b2c) Harsundi (2C2A4b1a) Rerua Bujurg (2C2A4a2c) Newly Basa (2C2A4b1b) Khandaut (2C2A4a2d) Mamna (2C2A2b2g) Gahuli (2C2A2b2f) Puraini (2C2A2b1e) Kathari (2C2A2b1g) Bilgaon (2C2A2b1f)	Barhaira	Avrg.14.80	Avrg.13.50	07	
	Manakhari	Avrg.14.50	Avrg.13.60	06	
	Panchkhura	Avrg.14.75	Avrg.13.20	09	
	Tai	Avrg.14.25	Avrg.13.35	07	
	Harsundi	Avrg.14.70	Avrg.13.40	08	
	Basariya	Avrg.14.55	Avrg.13.30	05	
	Newly Basa	Avrg.14.45	Avrg.13.65	08	
	Lodhi Pura	Avrg.15.50	Avrg.14.60	06	
	Khandaut	Avrg.15.50	Avrg.14.60	06	
	Mamna	Avrg.14.50	Avrg.13.60	06	
	Puraini	Avrg.16.50	Avrg.15.60	06	
	Kathari	Avrg.14.80	Avrg.13.50	07	
	Bilgaon	Avrg.14.50	Avrg.13.60	06	
	Total	**14.90**	**13.80**	**87**	

Table 3.16: Irrigation Status in IWMP-IV Hamirpur

Name & Micro watershed with code	Name of Village	Gross Cultivated Area				Net Cultivated Area	Gross Irrigated Area				Net Irrigated Area	Rainfed Area
		Kharif	Rabi	Zaid	Total		Kharif	Rabi	Zaid	Total		
Barhaira (2C2A4b2a)	Barhaira Sikraudha Budi Manakhari							9.96		9.96	9.96	428.88
Manakhari (2C2A4b2e)	Manakhari Jariya Tila							11.10		11.10	11.10	478.00

	Panchkhura Mamna											
Panchkhura (2C2A2b2c)	Panchkhura Bilpur Mamna							11.28		11.28	11.28	485.79
Harsundi (2C2A4b1a)	Harsundi Kadaura							16.21		16.21	16.21	698.43
Renua Bujurg (2C2A4a2c)	Newly Basa Renua Bujurg Danda Dariya							13.09		13.09	13.09	563.66
Newly Basa (2C2A4b1b)	Newly Basa Lodhi Pura							7.52		7.52	7.52	324.06
Khandaut (2C2A4a2d)	Khandaut							13.50		13.50	13.50	581.63
Mamna (2C2A2b2g)	Mamna Bhikampur Gahuli							14.36		14.36	14.36	618.77
Gahuli (2C2A2b2f)	Gahuli Maharajpur Bangra Chaidi Paini Tikri Parmal							10.76		10.76	10.76	463.63
Puraini (2C2A2b1e)	Nivauli Puraini							10.44		10.44	10.44	449.85
Kathari (2C2A2b1g)	Katehari Dhohal Khurd							10.23		10.23	10.23	440.86
Bilgaon (2C2A2b1f)	Bilgaon Katehari							10.60		10.60	10.60	456.44
								139.06		**139.06**	**139.06**	**5990.00**

Table 3.17: Source wise Area Irrigated in IWMP-IV Hamirpur (area in ha)

S.N.	Name of Micro Watershed with code	Name of village	Canal Area	State tube wells		Tanks		Open well		Bore wells		Lift irrigation		Others (Specify)		Total Irrigated Area	Remerks
				No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area		
1	Barhaira (2C2A4b2a)							08	9.96							9.96	
2	Manakhari (2C2A4b2e)							06	11.10							11.10	
3	Panchkhura (2C2A2b2c)							08	11.28							11.28	
4	Harsundi (2C2A4b1a)							07	16.21							16.21	
5	Rerua Bujurg (2C2A4a2c)							08	13.09							13.09	
6	Newly Basa (2C2A4b1b)							06	7.52							7.52	
7	Khandaut (2C2A4a2d)							08	13.50							13.50	
8	Mamna (2C2A2b2g)							07	14.36							14.36	
9	Gahuli (2C2A2b2f)							08	10.44							10.44	
10	Puraini (2C2A2b1e)							06	10.76							10.76	
11	Kathari (2C2A2b1g)							06	10.23							10.23	
12	Bilgaon (2C2A2b1f)							08	10.60							10.60	
	Total							**86**	**139.06**							**139.06**	

CHAPTER – 4

INSTITUTIONAL BUILDING AND PROJECT MANAGEMENT

4.1 Project Implementing Agency

The Project Implementing Agency (PIA) is Soil Conservation Officer, Department of Land Development and Water Resources, Rath-I, Hamirpur, Uttar Pradesh. The PIA was given responsibility to develop the micro-watershed by District Watershed Development Unit (DWDU) and State Level Nodal Agency (SLNA) considering its wast experiences in handling land and water management projects in the state. 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, SAUs and KVK located at Kurara, Hamirpur and others. Details of PIA are presented in subsequent section.

Table 4.1: Details of Project Implementing Agency (PIA), IWMP-IV Hamirpur

S. No.	Particulars of PIA	
1	Name of organization	Department of Land Development and Water Resources, Uttar Pradesh
2	Designation & Address	Bhoomi Sanrakshan Adhikari Deptt. L.D.W.R. – Rath-I, District –Hamirpur.
3	Telephone/Mobil No.	BSA- 09554186352, 09837226481, 05280-223202. JE.- 08601435386, 07398889529
4	Fax	05280-223205
5	E-mail	b.s.a.rath.01@gmail.com

Table 4.2: Details of Staff at PIA, IWMP-IV Hamirpur

Sr.No.	Name	Designation	Qualification	Experience Year
1	Shri Asgar Ali	BSA	B.E	30
2	Shri Musharraf Saeed	JE	Diploma in Engg.	30
3	Shri Sudhir Kumar Agrawal	Accountant	M.com	30
4	Shri Maksoodan Pandey	Sr. Clerk	B.A	30
5	Shri Sakeel Ahamad	Draft Man	Intermidiate (2 Year I.T.I Diploma)	30
6	Shri Ram Avtar	Jr. Clerk	B.A	24
7	Shri Bhagwan Singh	Tracer	Intermidiate	07
8	Shri Suresh Pal Singh	A.S.C.I.	M.SC.(Ag.)	07
9	Shri Tar Singh	A.S.C.I.	B.SC.(Ag.)	30
10	Shri Kamlesh Kumar Maurya	A.S.C.I.	B.SC.(Ag.)	01
11	Shri Brajendra Singh	A.S.C.I.	M.B.A	01
10	Shri Jay Ram Singh	Work Incharge	B.A	22
11	Shri Harveer Singh	Work Incharge	Intermidiate	30
12	Shri Surendra Prasad	Munshi	B.SC.(Ag.)	30
13	Shri Dinesh Kumar Sharma	Work Incharge	Intermidiate	24
14	Shri Radha Charan Saraswat	Work Incharge	B.A	24
15	Shri Mahavir Prasad	Work Incharge	High School	22
16	Shri Vijay Singh	Work Incharge	High School	24
17	Shri Chakrapan Singh	Work Incharge	B.A	20
18	Shri Mahendra Pratap Singh	Work Incharge	B.A	04
19	Shri Ram Charan	Work Incharge	B.SC	26
20	Shri Chet Ram Singh Chauhan	Dak Runner	Litrate	25
21	Shri Kumar Sen	IV Class	Litrate	30
22	Shri Sunil Kumar Gokhale	Computer Operator	B.Com L.L.B Deploma Of Computer	01

4.2 Details of Watershed Development Team

Under the project IWMP-IV well experienced WDT formed for better implementation of project activites. The WDT is presented in the table 4.3.

Table 4.3: Details of Watershed Development Team (WDT) in the project area PIA- BSA, LDWR, Hamirpur-VIII District – Hamirpur

S. N.	Name of WDT member	M/F	Age	Qualification/ Experience	Description of professional training	Role/Function	Date of appointment of WDT member
1	Shri Mahesh Kumar tripathi	M	45	M.Sc(Ag) /25	Soil & Water Management		24-07-2011
2	Shri Rahul Panchal	M	22	M.Sc(Ag) /02	Agriculture		16-07-2011
3	Shri Anupama Singh	M	24	M.A (Sociology) /01	Social Mobilization & Capacity Building		24-10-2011

4.3 Details of Watershed Committes (WCs)

Gram panchayat wise WC are formed with the participation of villagers for good implementation of project. The Gram panchayat wise details of Watershed Committes are presented in Table 4.4.

Table 4.4: Details of Watershed Committee (WC)

S. N.	Name of Gram Sabha/GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	Name Of Member	M/F	SC	ST	OBC/ Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educational qualification
1	Barhaira		President	Shri Dharamraj	M			√			√				√	Literate
			Secretary	Shri Vedprakash	M			√		√			√			Intermediate
			Member	Smt. Meera devi	F			√		√				√		Literate
			Member	Smt. Bhagwati	F			√	√					√		Literate
			Member	Shri Bhagwan Singh	M			√					√			Literate
			Member	Shri Drigpal	M			√	√				√			Literate
			Member	Shri Sugar Singh				√		√				√		Literate
			Member	Shri Kuman Singh	M	√						√		√		Literate
			Member	Shri Devi Charan	M	√			√				√			Literate
			Member	Shri Laxmi Prasad	M			√	√					√		Literate
			Member	Shri Brigbhan	M			√			√		√		√	Literate

S. N.	Name of Gram Sabha/GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	Name Of Member	M/F	SC	ST	OBC/ Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educational qualification
2	Mankheri		President	Shri Tulsidas	M			√			√				√	Intermediate
			Secretary	Shri Lalaram	M	√				√			√			Intermediate
			Member	Shri Veer Singh	M			√		√			√			Literate
			Member	Smt. Halki Devi	F	√			√					√		Literate
			Member	Shri Raju	M			√				√		√		Literate
			Member	Shri Shiv Narayan	M			√	√				√			Literate
			Member	Shri Madan	M	√				√				√		Literate
			Member	Shri Tulsidas	M			√		√			√			Literate
			Member	Shri Durjan Singh	M	√			√					√		Literate
			Member	Shri Bharat	M			√			√		√		√	Literate

S. N.	Name of Gram Sabha/GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	Name Of Member	M/F	SC	ST	OBC/ Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educational qualification
3	Panchkhura		President	Smt Vinita	F			√			√		√		√	8th
			Secretary	Shri Dharmendra Singh	M			√	√				√	√		Intermediate
			Member	Shri Pratap	M			√				√		√		Literate
			Member	Shri Ramesh	M			√		√			√	√		Literate
			Member	Shri Deshraj	M			√		√						Literate
			Member	Shri Harnath	M			√				√		√		Iliterate
			Member	Shri Pramod	M			√		√						Iliterate
			Member	Shri Anand	M			√				√				Iliterate
			Member	Shri Shiv Kumar	M			√			√					Iliterate
			Member	Shri Ratan	M			√		√						Iliterate
			Member	Shri Baijnath	M			√	√				√	√		Literate

S. N.	Name of Gram Sabha/GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	Name Of Member	M/F	SC	ST	OBC/ Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educational qualification
4	Harsundi		President	Shri Ram Ashrey	M	√					√		√		√	8th
			Secretary	Shri Munim Yadav	M			√	√				√	√		Intermediate
			Member	Smt Kailashi Rani	M			√				√		√		Literate
			Member	Shri Babu Ram	F			√		√			√	√		Literate
			Member	Shri Atma Ram	M			√		√						Literate
			Member	Shri Madan	M	√						√		√		Iliterate
			Member	Shri Chandan	M	√										Iliterate
			Member	Shri Gopal	M	√										Iliterate
			Member	Shri Asha Ram	M	√										Iliterate
			Member	Shri Ashok	M	√										Iliterate
			Member	Shri Shiv Mangal	M	√			√				√	√		Literate

S. N.	Name of Gram Sabha/GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	Name Of Member	M/F	SC	ST	OBC/ Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualification
5	Rerua Bujurg		President	Shri Ramashrey	M			√				√				Inter
			Secretary	Shri Ramkumar	M			√				√				M.A
			Member	Smt. Radh	F			√	√					√		5th
			Member	Shri Ramnarayan	M			√				√		√		5th
			Member	Shri Govinddas	M			√	√				√			B.A
			Member	Smt. Jaidevi	F			√	√				√			Illitrate
			Member	Smt. Vidya	F			√				√				8th
			Member	Shri Bhagwandas	M	√			√						√	5th
			Member	Shri Ramshankar	M	√										
			Member	Shri Ompal	M	√										
			Member	Shri Chatur Singh	M	√				√					√	Illitrate

S. N.	Name of Gram Sabha/GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	Name Of Member	M/F	SC	ST	OBC / Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualification
6	Newly Basa		President	Shri Indal	M			√			√		√		√	M.A B.Ed
			Secretary	Shri Harikrishna	M			√	√				√			B.A
			Member	Smt. Jaidevi	F			√			√		√			B.A.
			Member	Shri Brijmohan	M	√			√				√			8th
			Member	Shri Vikram	M	√				√			√			B.A.
			Member	Shri Sudarshan	M	√			√					√		8th
			Member	Shri Jagram	M	√						√		√		B.A
			Member	Shri Panchha	M	√			√					√		8th
			Member	Shri Narayan	M			√			√		√			High School
			Member	Shri Haridas	M	√			√				√			8th
			Member	Shri Bahadur	M	√						√		√		Illateate

S. N.	Name of Gram Sabha/GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	Name Of Member	M/F	SC	ST	OBC/ Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualification
7	Khandaut		President	Smt. Kusma rani	F			√				√				Inter
			Secretary	Shri Ramprasad	M			√				√				M.A
			Member	Shriram	M			√	√					√		5th
			Member	Smt.Anusuiya	F			√				√		√		5th
			Member	Shri Lakhan	M			√	√				√			B.A
			Member	Shri Tijua	M			√	√				√			Illitrate
			Member	Smt. Laxmi	F			√				√				8th
			Member	Shri Vijaypal	M			√								
			Member	Smt. Laxmi Devi	F			√								
			Member	Shri Nanhe	M			√	√						√	5th
			Member	Shri Kamla prasad	M			√		√					√	Illitrate

S. N.	Name of Gram Sabha/GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	Name Of Member	M/F	SC	ST	OBC/ Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualification
8	Mamna		President	Smt. Kamlesh rani	F			√				√				Inter
			Secretary	Shri Dinesh Kumar	M			√				√				M.A
			Member	Smt. Archana	F			√	√					√		5th
			Member	Shri Shivpal	M			√				√		√		5th
			Member	Shri Ramprakash	M			√	√				√			B.A
			Member	Shri Gangacharan	M			√	√				√			Illitrate
			Member	Shri Ramshankar	M			√				√				8th
			Member	Shri Veerpal	M			√								
			Member	Shri Ramavtar	M			√								
			Member	Shri Bhawani prasad	M			√	√						√	5th
			Member	Shri Murlidhar	M			√		√					√	Illitrate

S. N.	Name of Gram Sabha/GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	Name Of Member	M/F	SC	ST	OBC/ Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualification
9	Gahuli		President	Smt. Kamlesh rani	F			√				√				Inter
			Secretary	Shri Vijay singh	M			√				√				M.A
			Member	Shri Gangadeen	M			√	√					√		5th
			Member	Shri Nirpat	M			√				√		√		5th
			Member	Shri Shivpal	M			√	√				√			B.A
			Member	Shri Jagdeesh	M			√	√				√			Illitrate
			Member	Shri Rakesh	M			√				√				8th
			Member	Shri Ratiram	M			√								
			Member	Shri Bhagwati prasad	M			√								
			Member	Shri Tek chand	M			√	√						√	5th
			Member	Shri Prathviraj	M			√		√					√	Illitrate

S. N.	Name of Gram Sabha/GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	Name Of Member	M/F	SC	ST	OBC/ Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualification
10	Puraini		President	Shri Rajendra Prasad	M			√				√				Inter
			Secretary	Shri Jagdeesh kumar	M			√				√				M.A
			Member	Shri Narendra singh	M			√	√					√		5th
			Member	Shri Ashok kumar	M			√				√		√		5th
			Member	Smt. Geeta devi	F			√	√				√			B.A
			Member	Shri Mangal singh	M			√	√				√			Illitrate
			Member	Shri Shivpal	M			√				√				8th
			Member	Shri Irsad	M			√								
			Member	Shri Shyambabu	M			√								
			Member	Shri Karod singh	M			√	√						√	5th
			Member	M. Hanif	M			√		√					√	Illitrate

S. N.	Name of Gram Sabha/GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	Name Of Member	M/F	SC	ST	OBC/ Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualification
11	Kathari		President	Shri Shankar	M			√				√				Inter
			Secretary	Shri Chhotelal	M			√				√				M.A
			Member	Smt. Ramkunwar	F			√	√					√		5th
			Member	Shri Shardadeen	M			√				√		√		5th
			Member	Shri Balram	M			√	√				√			B.A
			Member	Shri Ramdayal	M			√	√				√			Illitrate
			Member	Smt. Dhaniram	F			√				√				8th
			Member	Shri Dasrath	M			√								
			Member	Smt. Mansingh	F			√								
			Member	Shri Pappu	M			√	√						√	5th
			Member	Shri Baldev	M			√		√					√	Illitrate

S. N.	Name of Gram Sabha/GP	Date of Constitution/ Registration as a Society (dd/mm/yyyy)	Designation	Name Of Member	M/F	SC	ST	OBC/ Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualification
12	Bilgaun		President	Shri Mahesh Prasad	M			√				√				Inter
			Secretary	Shri Udit narayan	M			√				√				M.A
			Member	Smt. Phoola	F			√	√					√		5th
			Member	Shri Moolchand	M			√				√		√		5th
			Member	Shri Halkai	M			√	√				√			B.A
			Member	Shri Kalicharan	M			√	√				√			Illitrate
			Member	Shri Delai	M			√				√				8th
			Member	Shri Shivkumar	M			√								
			Member	Shri Shivpal	M			√								
			Member	Shri Ramesh	M			√	√						√	5th
			Member	Shri Rajendra	M			√		√					√	Illitrate

4.4 Details of User Groups in Project IWMP-VII

Gram panchayat and micro watershed wise user groups are conructed according to the major water harvestimng activities. The Gram panchayat wise details of User Gruops are presented in Table 4.5.

Table 4.5: User Group wise details of Proposed / Planned Watershed Development Activities (Community)

1. GP/Gram Sabha/Village- Barhaira MWS: Barhaira Block- Sarila W/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	ECD- No-1	12.10.2011	08	ECD	83248.00	2450	3.40	150.00
2	ECD- No-2	15.10.2011	09	ECD	83248.00	2250	3.20	150.00
3	ECD- No-3	18.10.2011	10	ECD	93654.00	2350	3.15	150.00
4	ECD- No-4	20.10.2011	11	ECD	83248.00	2550	3.50	150.00
5	ECD- No-5	24.10.2011	12	ECD	93654.00	2650	3.60	150.00
6	ECD- No-6	28.10.2011	10	ECD	83248.00	2750	3.70	150.00
7	ECD- No-7	31.10.2011	12	ECD	83248.00	2150	3.00	150.00
8	ECD- No-8	02.11.2011	08	ECD	104060.00	2950	3.60	150.00
9	ECD- No-9	10.11.2011	09	ECD	62436.00	1850	2.80	150.00
10	ECD- No-10	13.11.2011	10	ECD	83248.00	2150	3.10	150.00
11	ECD- No-11	15.11.2011	10	ECD	83248.00	2250	3.20	150.00
12	ECD- No-12	16.11.2011	10	ECD	104060.00	2850	3.10	150.00
13	ECD- No-13	17.11.2011	10	ECD	62436.00	1650	2.60	200.00
14	CD- No-1	14.11.2011	20	CD	208120.00	4550	6.50	200.00
15	CD- No-2	14.11.2011	18	CD	166496.00	3850	5.20	200.00
16	CD- No-3	15.11.2011	20	CD	187308.00	3250	4.80	200.00
17	CD- No-4	16.11.2011	21	CD	166496.00	2850	3.60	200.00
18	CD- No-5	17.11.2011	18	CD	124872.00	2950	3.20	200.00
19	CD- No-6	18.11.2011	19	CD	208120.00	4250	4.80	200.00
20	CD- No-7	20.11.2011	14	CD	166496.00	3950	4.10	200.00
21	CD- No-8	22.11.2011	15	CD	208120.00	4650	5.20	200.00
22	CD- No-9	23.11.2011	22	CD	208120.00	4850	5.60	200.00
23	CD- No-10	24.11.2011	24	CD	166496.00	3950	4.20	200.00
24	WHB-No-1	14.11.2011	15	WHB	121905.00	3250	3.40	150.00
25	WHB-No-1	15.11.2011	15	WHB	97524.00	2450	2.90	150.00
26	WHB-No-1	15.11.2011	14	WHB	109714.50	3250	3.80	150.00

27	WHB-No-1	16.11.2011	12	WHB	97524.00	2250	2.60	150.00
28	WHB-No-1	25.11.2011	13	WHB	109714.50	2450	3.20	150.00
29	WHB-No-1	16.11.2011	16	WHB	121905.00	2850	3.60	150.00
30	WHB-No-1	18.11.2011	17	WHB	97524.00	2150	3.00	150.00
31	WHB-No-1	19.11.2011	15	WHB	109714.50	2650	3.10	150.00
32	WHB-No-1	20.11.2011	14	WHB	97524.00	2250	3.10	150.00
33	WHB-No-1	20.11.2011	12	WHB	109714.50	2750	3.20	150.00

2. GP/Gram Sabha/Village- Mankhari MWS- Mankhari Block- Sarila W/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	WHB-1	25.11.2011	20	WHB	97524.00	2350	3.40	150.00
2	WHB-2	26.11.2011	18	WHB	109714.50	2850	3.20	150.00
3	WHB-3	27.11.2011	19	WHB	97524.00	2550	3.15	150.00
4	WHB-4	28.11.2011	15	WHB	97524.00	2550	3.50	150.00
5	WHB-5	30.11.2011	20	WHB	73143.00	1950	3.60	150.00
6	WHB-6	25.11.2011	20	WHB	109714.50	3250	3.70	150.00
7	WHB-7	26.11.2011	18	WHB	121905.00	3450	4.60	150.00
8	WHB-8	25.11.2011	19	WHB	121905.00	2950	3.60	150.00
9	ECD-1	28.11.2011	8	ECD	83248.00	1850	2.80	150.00
10	ECD-2	29.11.2011	10	ECD	83248.00	2150	3.10	150.00
11	ECD-3	01.12.2011	11	ECD	93654.00	2250	3.20	150.00
12	ECD-4	01.12.2011	10	ECD	83248.00	2850	3.10	150.00
13	ECD-5	03.11.2011	10	ECD	93654.00	1650	2.60	150.00
14	ECD-6	03.11.2011	9	ECD	83248.00	4550	6.50	150.00
15	ECD-7	04.11.2011	8	ECD	83248.00	3850	5.20	150.00
16	ECD-8	05.11.2011	8	ECD	104060.00	3250	4.80	150.00
17	ECD-9	06.11.2011	9	ECD	62436.00	2850	3.60	150.00
18	CD-1	03.12.2011	19	CD	166496.00	2950	3.20	200.00
19	CD-2	06.12.2011	20	CD	104060.00	4250	4.80	200.00
20	CD-3	07.12.2011	20	CD	124872.00	3950	4.10	200.00
21	CD-4	08.12.2011	18	CD	145684.00	4650	5.20	200.00

22	CD-5	09.12.2011	17	CD	104060.00	4850	5.60	200.00
23	CD-6	10.12.2011	16	CD	124872.00	3950	4.20	200.00
24	CD-7	12.11.2011	18	CD	156090.00	3250	3.40	200.00
25	CD-8	13.12.2011	20	CD	145684.00	2450	2.90	200.00
26	CD-9	15.12.2011	20	CD	166496.00	3250	3.80	200.00
27	CD-10	16.02.2011	22	CD	187308.00	2250	2.60	200.00
28	CD-11	17.02.2011	20	CD	208120.00	2450	3.20	200.00
29	CD-12	18.02.2011	18	CD	208120.00	2850	3.60	200.00
30	CD-13	13.12.2011	17	CD	166496.00	2150	3.00	200.00

3. GP/Gram Sabha/Village- Tai MWS- Panchkhura Block- SarilaW/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	WHB-10	13.12.2011	20	WHB	121905.00			150.00
2	ECD-15	14.12.2011	8	ECD	83248.00	2150	3.10	150.00
3	ECD-14	15.12.2011	8	ECD	93654.00	2250	3.20	150.00
4	ECD-13	16.12.2011	9	ECD	83248.00	2350	3.40	150.00
5	ECD-07	17.12.2011	10	ECD	72842.00	2550	3.50	150.00
6	ECD-08	18.12.2011	11	ECD	93654.00	2450	3.20	150.00
7	ECD-09	19.12.2011	9	ECD	83248.00	2750	3.70	150.00
8	ECD-02	20.12.2011	10	ECD	104060.00	2150	3.00	150.00
9	ECD-01	22.12.2011	10	ECD	83248.00	2250	3.00	150.00
10	ECD-12	22.12.2011	10	ECD	93654.00	1850	2.80	150.00
11	ECD-11	23.12.2011	9	ECD	83248.00	2150	3.10	150.00
12	CD-09	24.12.2011	18	CD	166496.00	2250	3.20	200.00
13	CD-10	25.12.2011	20	CD	187308.00	2850	3.10	200.00
14	CD-11	26.12.2011	18	CD	208120.00	1650	2.60	200.00
15	CD-08	27.11.2011	19	CD	145684.00	4350	6.50	200.00
16	CD-06	28.12.2011	12	CD	187308.00	3850	5.20	200.00
17	CD-07	29.12.2011	18	CD	166496.00	3650	4.60	200.00
18	CD-05	29.12.2011	17	CD	187308.00	2850	3.60	200.00

4 GP/Gram Sabha/Village Panchkhura MWS- Panchkhura Block- SarilaW/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	ECD-No. 03	15.12.11	15	ECD	72842.00	2250	3.00	150.00
2	ECD-No. 04	17.12.11	18	ECD	93654.00	2550	3.20	150.00
3	ECD-No. 05	18.12.11	12	ECD	83248.00	2350	3.15	150.00
4	ECD-No. 06	20.12.11	12	ECD	104060.00	2850	3.80	150.00
5	ECD-No. 10	21.12.11	14	ECD	83248.00	2650	3.60	150.00
6	WHB-No. 01	15.12.11	15	WHB	121905.00	3650	3.70	150.00
7	WHB-No. 02	17.12.11	18	WHB	97524.00	2150	3.00	150.00
8	WHB-No. 03	18.12.11	12	WHB	109714.50	3250	3.60	150.00
9	WHB-No. 04	20.12.11	12	WHB	121905.00	1850	2.80	150.00
10	WHB-No. 05	21.12.11	14	WHB	97524.00	2150	3.10	150.00
11	WHB-No. 06	15.12.11	15	WHB	109714.50	3250	3.20	150.00
12	WHB-No. 07	17.12.11	18	WHB	97524.00	2850	3.10	150.00
13	WHB-No. 08	18.12.11	12	WHB	109714.50	3350	2.60	150.00
14	WHB-No. 09	20.12.11	12	WHB	121905.00	4050	6.50	150.00
15	CD-No. 01	21.12.11	14	CD	208120.00	6050	7.20	200.00
16	CD-No. 02	15.12.11	15	CD	166496.00	3850	5.80	200.00
17	CD-No. 03	17.12.11	18	CD	187308.00	3850	4.60	200.00
18	CD-No. 04	18.12.11	12	CD	166496.00	3950	4.20	200.00

5. GP/Gram Sabha/Village-Harsundi MWS- Harsundi Block- Sarila W/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	ECD No 1	12.12.11	5	ECD	83248.00	2250	2.80	150.00
2	ECD No 2	14.12.11	8	ECD	83248.00	2550	3.20	150.00
3	ECD No 3	16.12.11	6	ECD	93654.00	2350	3.00	150.00
4	ECD No 4	16.12.11	7	ECD	72842.00	2850	3.20	150.00
5	ECD No 5	16.12.11	9	ECD	83248.00	2650	3.60	150.00

6	ECD No 6	16.12.11	9	ECD	83248.00	2250	3.20	150.00
7	ECD No 7	16.12.11	8	ECD	83248.00	2150	3.00	150.00
8	ECD No 8	16.12.11	10	ECD	93654.00	2150	3.60	150.00
9	ECD No 9	16.12.11	10	ECD	83248.00	1850	2.80	150.00
10	ECD No 10	16.12.11	12	ECD	72842.00	2150	3.10	150.00
11	CD-No. 01	16.12.11	12	CD	124872.00	3250	3.20	150.00
12	CD-No. 02	16.12.11	11	CD	145684.00	2850	3.10	150.00
13	CD-No. 03	16.12.11	10	CD	166496.00	3350	2.60	150.00
14	CD-No. 04	16.12.11	6	CD	166496.00	4050	6.50	150.00
15	CD-No. 05	16.12.11	10	CD	166496.00	3050	7.20	150.00
16	CD-No. 06	16.12.11	12	CD	166496.00	3250	5.80	150.00
17	CD-No. 07	16.12.11	13	CD	124872.00	3350	4.60	150.00
18	WHB-No. 01	16.12.11	14	WHB	83248.00	2250	4.20	150.00
19	WHB-No. 02	16.12.11	12	WHB	83248.00	2150	2.80	150.00
20	WHB-No. 03	16.12.11	6	WHB	93654.00	1950	1.80	150.00
21	WHB-No. 04	16.12.11	15	WHB	72842.00	1850	1.15	150.00

6. GP/Gram Sabha/Village- Basariya MWS- Rirua bujurg Block- SarilaW/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	ECD No 5	18.12.11	12	ECD	83248.00	2950	3.40	150.00
2	ECD No 6	20.12.11	11	ECD	83248.00	2650	3.60	150.00
3	ECD No 7	23.12.11	10	ECD	93654.00	2250	3.20	150.00
4	ECD No 8	18.12.11	6	ECD	72842.00	2150	3.00	150.00
5	ECD No 9	20.12.11	10	ECD	83248.00	2150	3.60	150.00
6	ECD No 10	23.12.11	12	ECD	83248.00	1850	2.80	150.00
7	CD-No. 01	18.12.11	13	CD	104060.00	2150	3.10	200.00
8	CD-No. 02	20.12.11	14	CD	124872.00	3250	3.20	200.00
9	CD-No. 03	23.12.11	12	CD	145684.00	4250	4.80	200.00
10	CD-No. 04	18.12.11	6	CD	187308.00	3350	2.60	200.00
11	CD-No. 05	20.12.11	15	CD	166496.00	4050	6.50	200.00
12	WHB-No. 01	23.12.11	12	WHB	97524.00	3050	7.20	150.00

13	WHB-No. 02	18.12.11	11	WHB	109714.50	3250	5.80	150.00
14	WHB-No. 03	18.12.11	10	WHB	97524.00	2850	3.20	150.00
15	WHB-No. 04	20.12.11	6	WHB	109714.50	2650	3.60	150.00
16	WHB-No. 05	23.12.11	10	WHB	97524.00	2250	3.20	150.00

7. GP/Gram Sabha/Village- Newly basa MWS- Newly basa Block- SarilaW/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	ECD No 1	20.12.11	18	ECD	83248.00	2150	3.00	150.00
2	ECD No 2	21.12.11	12	ECD	124872.00	4650	4.60	150.00
3	ECD No 3	23.12.11	15	ECD	104060.00	3650	4.20	150.00
4	ECD No 4	25.11.12	8	ECD	104060.00	3250	3.80	150.00
5	CD-No. 02	20.12.11	14	CD	121905.00	3550	4.20	200.00
6	CD-No. 03	23.12.11	12	CD	146286.00	3250	3.80	200.00
7	CD-No. 04	18.12.11	6	CD	121905.00	3650	4.20	200.00
8	CD-No. 05	20.12.11	15	CD	121905.00	3250	3.80	200.00
9	WHB-No. 01	23.12.11	12	WHB	121905.00	3450	4.20	150.00
10	WHB-No. 02	18.12.11	11	WHB	146286.00	3150	3.80	150.00
11	WHB-No. 03	18.12.11	10	WHB	121905.00	3450	4.20	150.00
12	WHB-No. 04	20.12.11	6	WHB	121905.00	3350	3.80	150.00

8. GP/Gram Sabha/Village- Lodhipura MWS- Newly basa Block- SarilaW/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	ECD No 1	20.12.11	18	ECD	104060.00	3650	4.10	150.00
2	ECD No 2	21.12.11	12	ECD	104060.00	4150	4.20	150.00
3	ECD No 3	23.12.11	15	ECD	83248.00	3350	3.70	150.00
4	ECD No 4	25.11.12	8	ECD	104060.00	3450	3.80	150.00
5	CD-No. 02	20.12.11	14	CD	166496.00	3550	4.20	200.00
6	CD-No. 03	23.12.11	12	CD	124872.00	3850	3.80	200.00
7	CD-No. 04	18.12.11	6	CD	187308.00	3650	4.20	200.00

8	CD-No. 05	20.12.11	15	CD	166496.00	3850	3.80	200.00
9	WHB-No. 01	23.12.11	12	WHB	121905.00	4550	4.20	150.00
10	WHB-No. 02	18.12.11	11	WHB	97524.00	2650	2.80	150.00
11	WHB-No. 03	18.12.11	10	WHB	121905.00	3450	4.20	150.00
12	WHB-No. 04	20.12.11	6	WHB	97524.00	3050	3.00	150.00

9. GP/Gram Sabha/Village- Khandaut MWS- Khandaut Block- SarilaW/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	ECD No 1	20.12.11	18	ECD	104060.00	3350	4.00	150.00
2	ECD No 2	21.12.11	12	ECD	93654.00	2650	2.80	150.00
3	ECD No 3	23.12.11	15	ECD	72842.00	2130	2.65	150.00
4	ECD No 4	25.11.12	22	ECD	83248.00	2360	2.80	150.00
5	CD-No. 02	20.12.11	14	CD	145684.00	3550	4.20	200.00
6	CD-No. 03	23.12.11	20	CD	166496.00	3850	3.80	200.00
7	CD-No. 04	18.12.11	20	CD	166496.00	3650	4.20	200.00
8	CD-No. 05	20.12.11	15	CD	166496.00	3850	3.80	200.00
9	WHB-No. 01	23.12.11	18	WHB	121905.00	4550	4.20	150.00
10	WHB-No. 02	18.12.11	18	WHB	97524.00	2650	2.80	150.00
11	WHB-No. 03	18.12.11	18	WHB	121905.00	3450	4.20	150.00
12	WHB-No. 04	20.12.11	20	WHB	97524.00	2850	2.80	150.00

10. GP/Gram Sabha/Village- Mamna MWS- Mamna Block- SarilaW/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	ECD No 1	20.12.11	18	ECD	104060.00	3250	4.10	150.00
2	ECD No 2	21.12.11	12	ECD	93654.00	2450	2.60	150.00
3	ECD No 3	23.12.11	15	ECD	72842.00	2130	2.65	150.00
4	ECD No 4	25.11.12	22	ECD	83248.00	2360	2.80	150.00
5	CD-No. 02	20.12.11	14	CD	145684.00	3450	4.00	200.00
6	CD-No. 03	23.12.11	20	CD	187308.00	3850	3.80	200.00
7	CD-No. 04	18.12.11	20	CD	166496.00	3650	4.20	200.00

8	CD-No. 05	20.12.11	15	CD	187308.00	3850	3.80	200.00
9	WHB-No. 01	23.12.11	18	WHB	121905.00	4250	4.20	150.00
10	WHB-No. 02	18.12.11	18	WHB	121905.00	3650	3.80	150.00
11	WHB-No. 03	18.12.11	18	WHB	109714.50	3450	4.20	150.00
12	WHB-No. 04	20.12.11	20	WHB	97524.00	2250	2.60	150.00

11. GP/Gram Sabha/Village- Puraini MWS- Puraini Block- Sarila W/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	ECD No 1	20.12.11	18	ECD	187308.00	3950	4.10	150.00
2	ECD No 2	21.12.11	12	ECD	124872.00	3650	3.60	150.00
3	ECD No 3	23.12.11	15	ECD	104060.00	3230	3.00	150.00
4	ECD No 4	25.11.12	22	ECD	187308.00	4260	4.80	150.00
5	CD-No. 02	20.12.11	14	CD	166496.00	3450	4.00	200.00
6	CD-No. 03	23.12.11	20	CD	187308.00	3850	3.80	200.00
7	CD-No. 04	18.12.11	20	CD	166496.00	3650	4.20	200.00
8	CD-No. 05	20.12.11	15	CD	187308.00	3850	3.80	200.00
9	WHB-No. 01	23.12.11	18	WHB	121905.00	4250	4.20	150.00
10	WHB-No. 02	18.12.11	18	WHB	109714.50	3650	3.80	150.00
11	WHB-No. 03	18.12.11	18	WHB	97524.00	2164	2.10	150.00
12	WHB-No. 04	20.12.11	20	WHB	109714.50	2250	2.20	150.00

12. GP/Gram Sabha/Village- Gahuli MWS- Gahuli Block- Sarila W/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	WHB-No. 01	23.12.11	18	WHB	109714.50	3050	3.20	150.00
2	WHB-No. 02	18.12.11	18	WHB	97524.00	2850	2.80	150.00
3	WHB-No. 03	18.12.11	18	WHB	109714.50	3050	3.20	150.00
4	WHB-No. 04	20.12.11	20	WHB	97524.00	2260	2.80	150.00

13. GP/Gram Sabha/Village- Kathari MWS- Kathari Block- Sarila W/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	ECD No 1	20.12.11	18	ECD	187308.00	4650	5.10	150.00
2	ECD No 2	21.12.11	12	ECD	124872.00	4250	4.60	150.00
3	ECD No 3	23.12.11	15	ECD	104060.00	3230	3.00	150.00
4	ECD No 4	25.11.12	22	ECD	187308.00	4260	4.80	150.00
5	CD-No. 02	20.12.11	14	CD	104060.00	3450	4.00	200.00
6	CD-No. 03	23.12.11	20	CD	228932.00	5860	3.80	200.00
7	CD-No. 04	18.12.11	20	CD	249744.00	5940	4.20	200.00
8	CD-No. 05	20.12.11	15	CD	104060.00	3850	3.80	200.00
9	WHB-No. 01	23.12.11	18	WHB	243810.00	6250	6.20	150.00
10	WHB-No. 02	18.12.11	18	WHB	243810.00	6250	6.20	150.00
11	WHB-No. 03	18.12.11	18	WHB	243810.00	6250	6.20	150.00
12	WHB-No. 04	20.12.11	20	WHB	243810.00	6250	6.20	150.00

14. GP/Gram Sabha/Village- Bilgaon MWS- Bilgaon Block- SarilaW/S Project - IWMP-IV District- Hamirpur

S. No	Name of user Group	Date of Formation	No. of members in the Group	Activity Proposed	Total Cost of the activity (Rs)	Water storage in cum	Area Proposed for irrigation (ha)	User Charges (per ha)
1	ECD No 1	20.12.11	18	ECD	104060.00	3650	4.10	150.00
2	ECD No 2	21.12.11	12	ECD	83248.00	3250	3.60	150.00
3	ECD No 3	23.12.11	15	ECD	93654.00	2230	1.80	150.00
4	ECD No 4	25.11.12	22	ECD	104060.00	3650	4.10	150.00
5	CD-No. 02	20.12.11	14	CD	166496.00	4450	4.40	200.00
6	CD-No. 03	23.12.11	20	CD	166496.00	4860	4.80	200.00
7	CD-No. 04	18.12.11	20	CD	166496.00	4840	4.70	200.00
8	CD-No. 05	20.12.11	15	CD	166496.00	4850	4.60	200.00
9	WHB-No. 01	23.12.11	18	WHB	97524.00	2250	3.20	150.00
10	WHB-No. 02	18.12.11	18	WHB	109714.50	3850	3.20	150.00
11	WHB-No. 03	18.12.11	18	WHB	121905.00	4250	4.20	150.00
12	WHB-No. 04	20.12.11	20	WHB	121905.00	4250	4.20	150.00

4.5 Details of Self Help Groups in Project IWMP-IV

Gram panchayat and micro watershed wise SHGs are constructed according to the livelihood activity. The Gram panchayat wise details of SHGs are presented in Table 4.6.1 to 4.6.6 and Table 4.7 respectively.

Table 4.6.1 Planning of Watershed Development Activities through SHGs

Gram Panchyat /Gram Sabha/ village- Barhaira Name of MWS – Barhaira Project IWMP-IV District- Hamirpur

S.No	SHGs name	No. of members	Activity Proposed	Date of formation	Bank Account no.	Amount of Saving by each member/ month Rs.	Saving Up to date May 2012	Total cost of Activity Rs.	SHG Share	Amount from Project Fund Rs.	Proposed Date of Start of activity	Remarks
1.	Mahaveer SHG	10	Buffalo Keeping	28.10.2011	-	-	-	-	-	-	-	-
Total for Gram panchyat				Goat Keeping Dairy Stiching Masala Making Dal Making Rope making Bidi Making				In the Gram Panchayat Total 10 SHGs will be constructed, out of them 01 is under running. The assistance to the SHGs will be provided in rotation under the availability of Rs 4.43 lacs. The remaining SHGs will be constructed in this year.				
Total for MWS										**4.43**		

Table 4.6.2 Planning of Watershed Development Activities through SHGs

Gram Panchyat /Gram Sabha/ village- **Mankhari** Name of MWS–**Mankhari** Project **IWMP-IV** District- **Hamirpur**

S.No	SHGs name	No. of members	Activity Proposed	Date of formation	Bank Account no.	Amount of Saving by each member/ month Rs.	Saving Up to date May 2012	Total cost of Activity Rs.	SHG Share	Amount from Project Fund Rs.	Proposed Date of Start of activity	Remarks
1.	Jai Ma Kali SHGs	12	Goat Keeping	02.09.2011	-	-	-	-	-	-	-	
Total for Gram panchyat				Back Yard Poultry Goat Keeping Dairy Stiching Masala Making Dal Making Rope making Bidi Making				In the Gram Panchayat Total 11 SHGs will be constructed, out of them 01 is under running. The assistance to the SHGs will be provided in rotation under the availability of Rs 4.33 lacs. The remaining SHGs will be constructed in this year.				
Total for MWS										**4.33**		

Table 4.6.3 Planning of Watershed Development Activities through SHGs

Gram Panchyat /Gram Sabha/ village- **Panchkhura** Name of MWS – **Panchkhura** Project **IWMP-IV** District- **Hamirpur**

S.No	SHGs name	No. of members	Activity Proposed	Date of formation	Bank Account no.	Amount of Saving by each member/ month Rs.	Saving Up to date May 2012	Total cost of Activity Rs.	SHG Share	Amount from Project Fund Rs.	Proposed Date of Start of activity	Remarks
1.	Neelkanth SHGs	10	Goat Keeping	15.12.2011	50089652611	100	2000	40000	15000	25000	July, 2012	
2.	Jai Ma Saraswati SHGs	12	Goat Keeping	15.11.2011	-	-	-	-	-	-	-m	
Total for Gram panchyat				Back Yard Poultry Goat Keeping Dairy Masala Making Dal Making Rope making Bidi Making				In the Gram Panchayat Total 20 SHGs will be constructed, out of them 02 is under running. The assistance to the SHGs will be provided in rotation under the availability of Rs 7.02 lacs. The remaining SHGs will be constructed in this year.				
Total										**7.02**		

Table 4.6:4 Planning of Watershed Development Activities through SHGs

Gram Panchyat /Gram Sabha/ village- Harsundi Name of MWS– HarsundiProject IWMP-IV District- Hamirpur

S.No	SHGs name	No. of members	Activity Proposed	Date of formation	Bank Account no.	Amount of Saving by each member/ month Rs.	Saving Up to date May 2012	Total cost of Activity Rs.	SHG Share	Amount from Project Fund Rs.	Proposed Date of Start of activity	Remarks
1.	Jai Ma Kalka SHGs	11	Stitching	11.01.2011	-	-	-	-	-	-	-	-
Total for Gram panchyat				Back Yard Poultry Goat Keeping Dairy Stiching Masala Making Dal Making Rope making Bidi Making				In the Gram Panchayat Total 13 SHGs will be constructed, out of them01 is under running. The assistance to the SHGs will be provided in rotation under the availability of Rs 4.641acs. The remaining SHGs will be constructed in this year.				
Total for MWS										**4.64**		

Table 4.6:5 Planning of Watershed Development Activities through SHGs

Gram Panchyat /Gram Sabha/ village- rerua bujurg Name of MWS with Code- rerua bujurg Project IWMP-IV District- Hamirpur

S.No	SHGs name	No. of members	Activity Proposed	Date of formation	Bank Account no.	Amount of Saving by each member/ month Rs.	Saving Up to date May 2012	Total cost of Activity Rs.	SHG Share	Amount from Project Fund Rs.	Proposed Date of Start of activity	Remarks
1.	Jai Ma Durga SHGs	14	Goat Keeping	10.12.2011	-							
Total for Gram panchyat				Back Yard Poultry Goat Keeping Dairy Stiching Masala Making Dal Making Rope making Bidi Making				In the Gram Panchayat Total 13 SHGs will be constructed, out of them 01 is under running. The assistance to the SHGs will be provided in rotation under the availability of Rs 7.04lacs. The remaining SHGs will be constructed in this year.				
Total for MWS		**Choolhi**								**7.04**		

Table 4.6:6 Planning of Watershed Development Activities through SHGs

Gram Panchyat /Gram Sabha/ village-Newly basa Name of MWS –Newly basa Project IWMP-IV District- Hamirpur

S.No	SHGs name	No. of members	Activity Proposed	Date of formation	Bank Account no.	Amount of Saving by each member/ month Rs.	Saving Up to date May 2012	Total cost of Activity Rs.	SHG Share	Amount from Project Fund Rs.	Proposed Date of Start of activity	Remarks
1.	Sharda SHGs	11	Goat Keeping	15-6-11								
Total for Gram panchyat				Back Yard Poultry Goat Keeping Dairy Stiching Masala Making Dal Making Rope making Bidi Making				In the Gram Panchayat Total 06 SHGs will be constructed, out of them 01 is under running. The assistance to the SHGs will be provided in rotation under the availability of Rs 2.0 lacs. The remaining SHGs will be constructed in this year.				
Total for MWS		**Barah Mafi**								**2.0**		

Table 4.6:7 Planning of Watershed Development Activities through SHGs

Gram Panchyat /Gram Sabha/ village- Lodhi pura Name of MWS with Code- Lodhi pura Project IWMP-IV District- Hamirpur

S.No	SHGs name	No. of members	Activity Proposed	Date of formation	Bank Account no.	Amount of Saving by each member/ month Rs.	Saving Up to date May 2012	Total cost of Activity Rs.	SHG Share	Amount from Project Fund Rs.	Proposed Date of Start of activity	Remarks
1.	Shiv Shankar SHGs	11	Goat Keeping	14.01.12	50097649110	25	220	40000	15000	25000	July, 2012	
2.	Aadivasi SHGs	11	Goat Keeping	29.01.2012								
Total for Gram panchyat				Back Yard Poultry Goat Keeping Dairy Stiching Masala Making Dal Making Rope making Bidi Making				In the Gram Panchayat Total 08 SHGs will be constructed, out of them02 is under running. The assistance to the SHGs will be provided in rotation under the availability of Rs 2.02 lacs. The remaining SHGs will be constructed in this year.				
Total for MWS										**2.02**		

Table 4.6:8 Planning of Watershed Development Activities through SHGs

Gram Panchyat /Gram Sabha/ village- khandaut Name of MWS with Code- khandaut Project IWMP-IV District- Hamirpur

S.No	SHGs name	No. of members	Activity Proposed	Date of formation	Bank Account no.	Amount of Saving by each member/ month Rs.	Saving Up to date May 2012	Total cost of Activity Rs.	SHG Share	Amount from Project Fund Rs.	Proposed Date of Start of activity	Remarks
1.	yugh SHGs	11	Goat Keeping	14.01.12	50097649110	25	220	40000	15000	25000	July, 2012	
Total for Gram panchyat				Back Yard Poultry Goat Keeping Dairy Stiching Masala Making Dal Making Rope making Bidi Making				In the Gram Panchayat Total 15 SHGs will be constructed, out of them01 is under running. The assistance to the SHGs will be provided in rotation under the availability of Rs 7.29 lacs. The remaining SHGs will be constructed in this year.				
Total for MWS										**7.29**		

Table 4.6.9 Planning of Watershed Development Activities through SHGs

Gram Panchyat /Gram Sabha/ village- Mamna Name of MWS with Code- Mamna Project IWMP-IV District- Hamirpur

S.No	SHGs name	No. of members	Activity Proposed	Date of formation	Bank Account no.	Amount of Saving by each member/ month Rs.	Saving Up to date May 2012	Total cost of Activity Rs.	SHG Share	Amount from Project Fund Rs.	Proposed Date of Start of activity	Remarks
1.	Maa hing LagSHGs	11	Goat Keeping	14.01.12								
Total for Gram panchyat				Back Yard Poultry Goat Keeping Dairy Stiching Masala Making Dal Making Rope making Bidi Making				In the Gram Panchayat Total 12 SHGs will be constructed, out of them01 is under running. The assistance to the SHGs will be provided in rotation under the availability of Rs 3.59 lacs. The remaining SHGs will be constructed in this year.				
Total for MWS										**3.59**		

Table 4.6:10 Planning of Watershed Development Activities through SHGs
Gram Panchyat /Gram Sabha/ village- Puruini Name of MWS with Code- Puruini Project IWMP-IV District- Hamirpur

S.No	SHGs name	No. of members	Activity Proposed	Date of formation	Bank Account no.	Amount of Saving by each member/ month Rs.	Saving Up to date May 2012	Total cost of Activity Rs.	SHG Share	Amount from Project Fund Rs.	Proposed Date of Start of activity	Remarks
1.	Maa Durga SHGs	11	Goat Keeping	14.01.12								
Total for Gram panchyat				Back Yard Poultry Goat Keeping Dairy Stiching Masala Making Dal Making Rope making Bidi Making				In the Gram Panchayat Total 12 SHGs will be constructed, out of them01 is under running. The assistance to the SHGs will be provided in rotation under the availability of Rs 5.44 lacs. The remaining SHGs will be constructed in this year.				
Total for MWS										**5.44**		

Table 4.6:11 Planning of Watershed Development Activities through SHGs

Gram Panchyat /Gram Sabha/ village- Gahuli Name of MWS with Code- Gahuli Project IWMP-IV District- Hamirpur

S.No	SHGs name	No. of members	Activity Proposed	Date of formation	Bank Account no.	Amount of Saving by each member/ month Rs.	Saving Up to date May 2012	Total cost of Activity Rs.	SHG Share	Amount from Project Fund Rs.	Proposed Date of Start of activity	Remarks
1.	Maa kali Durga SHGs	11	Goat Keeping	14.01.12								
Total for Gram panchyat				Back Yard Poultry Goat Keeping Dairy Stiching Masala Making Dal Making Rope making Bidi Making				In the Gram Panchayat Total 16 SHGs will be constructed, out of them01 is under running. The assistance to the SHGs will be provided in rotation under the availability of Rs 5.64 lacs. The remaining SHGs will be constructed in this year.				
Total for MWS										**5.64**		

Table 4.6:12 Planning of Watershed Development Activities through SHGs

Gram Panchyat /Gram Sabha/ village- Kathari Name of MWS with Code- Kathari Project IWMP-IV District- Hamirpur

S.No	SHGs name	No. of members	Activity Proposed	Date of formation	Bank Account no.	Amount of Saving by each member/ month Rs.	Saving Up to date May 2012	Total cost of Activity Rs.	SHG Share	Amount from Project Fund Rs.	Proposed Date of Start of activity	Remarks
1.	Shiv Shankar SHGs	11	Goat Keeping	14.01.12								
2.	Aadivasi SHGs	11	Goat Keeping	29.01.2012								
Total for Gram panchyat				Back Yard Poultry Goat Keeping Dairy Stiching Masala Making Dal Making Rope making Bidi Making				In the Gram Panchayat Total 20 SHGs will be constructed, out of them02 is under running. The assistance to the SHGs will be provided in rotation under the availability of Rs 5.53 lacs. The remaining SHGs will be constructed in this year.				
Total for MWS										**5.53**		

Table 4.6:13 Planning of Watershed Development Activities through SHGs
Gram Panchyat /Gram Sabha/ village- Bilgaon Name of MWS with Code - Bilgaon Project IWMP-IV District- Hamirpur

S.No	SHGs name	No. of members	Activity Proposed	Date of formation	Bank Account no.	Amount of Saving by each member/ month Rs.	Saving Up to date May 2012	Total cost of Activity Rs.	SHG Share	Amount from Project Fund Rs.	Proposed Date of Start of activity	Remarks
1.	Shiv Shankar SHGs	11	Goat Keeping	14.01.12								
2.	Aadivasi SHGs	11	Goat Keeping	29.01.2012								
Total for Gram panchyat				Back Yard Poultry Goat Keeping Dairy Stiching Masala Making Dal Making Rope making Bidi Making				In the Gram Panchayat Total 20 SHGs will be constructed, out of them02 is under running. The assistance to the SHGs will be provided in rotation under the availability of Rs 5.72 lacs. The remaining SHGs will be constructed in this year.				
Total for MWS										**10.80**		

Note: Total 176 Self Help Groups will be constructed in the IWMP-VII project, out this 16 Self Help Groups is already formed. Remaining SHGs will be formed in current year. The help by the project to the SHGs is available Rs 64.69 lacs.

Table 4.7: Details of Fund flow of Watershed Committee Accounts in IWMP-IV Hamirpur (Amount in Lakh Rs.)

S. N.	Name of MWS	Name of Watershed Committee (WC)	Opening Balance	DRDA/ZP Cheqe No./ Date	Amount Date of Deposit in WC Account	Total Amount Available in WC Account as on 31.01.2012	Amount withdrawn by Cash/ Cheqe	Date of with drawal	Purpose of with Drawal	Intrest accrued	Closing Balance
1	Barhaira (2C2A4b2a)	-	-	-	-	4.26	-	-	-	-	4.26
2	Manakhari (2C2A4b2e)	-	-	-	-	4.14	-	-	-	-	4.14
3	Panchkhura (2C2A2b2c)	-	-	-	-	6.76	-	-	-	-	6.76
4	Harsundi (2C2A4b1a)	-	-	-	-	4.47	-	-	-	-	4.47
5	Rerua Bujurg (2C2A4a2c)	-	-	-	-	6.78	-	-	-	-	6.78
6	Newly Basa (2C2A4b1b)	-	-	-	-	3.87	-	-	-	-	3.87
7	Khandaut (2C2A4a2d)	-	-	-	-	7.01	-	-	-	-	7.01
8	Mamna (2C2A2b2g)	-	-	-	-	3.45	-	-	-	-	3.45
9	Gahuli (2C2A2b2f)	-	-	-	-	5.24	-	-	-	-	5.24
10	Puraini (2C2A2b1e)	-	-	-	-	5.43	-	-	-	-	5.43
11	Kathari (2C2A2b1g)	-	-	-	-	5.32	-	-	-	-	5.32
12	Bilgaon (2C2A2b1f)	-	-	-	-	5.51	-	-	-	-	5.51
	Total	-	-	-	-	**62.24**	-	-	-	-	**62.24**

4.3 Convergence in IWMP-IV Hamirpur

Several programmes are running in the area which are sponsored by Central and State Govt. and could be converged with watershed programmes. Some of them are listed in Table 4.8. The details of the activities to be carried out under convergence in the project are mentioned in Chapter 5. However, micro-watershed wise amount of convergence is mentioned in Table 4.9.

Table 4.8: List of Central/State sponsored scheme

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	Training Programme	Agriculture Deptt., KVK	Capacity building of the farmers
3	National Horticulture Mission (NHM)	Horticulture Deptt.	Increasing the area under fruits and vegetables
4	MGNERGA (Bunding, Farm Pond, Adarsh Jalashay, Blast well, Chakroad, etc.)	Gram Panchayat	To provide work to the all village personnel under the rojgar guarantee yojana

Table 4.9: Details of Convergence of IWMP with other Schemes in IWMP-IV Hamirpur (Rs. In Lakh)

S.N.	Name of Micro Watershed with Code	Name 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 undertakin with coaverged funds	Reference no of activity/task/structure in DPR@	Level at which decision for convergence was taken$
				Yes	No	(a) Structures (b) livelihoods (c) Any other (pl. specify)#		
1	Barhaira (2C2A4b2a)	MGNREGA	40.86	Additional to the cost of Rs. 6720/ha		SB, FB, CB, PB, MB, Drop Spill Way	Included in the DPR	DRDA, Hamirpur
2	Manakhari (2C2A4b2e)	MGNREGA	46.53					
3	Panchkhura (2C2A2b2c)	MGNREGA	41.51					
4	Harsundi (2C2A4b1a)	MGNREGA	97.39					
5	Rerua Bujurg (2C2A4a2c)	MGNREGA	27.61					
6	Newly Basa	MGNREGA	62.95					

	(2C2A4b1b)						
7	Khandaut (2C2A4a2d)	MGNREGA	22.57				
8	Mamna (2C2A2b2g)	MGNREGA	46.27				
9	Gahuli (2C2A2b2f)	MGNREGA	34.87				
10	Puraini (2C2A2b1e)	MGNREGA	9.15				
11	Kathari (2C2A2b1g)	MGNREGA	27.70				
12	Bilgaon (2C2A2b1f)	MGNREGA	33.72				
			491.13				

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 12 EPA activities were executed in the project area which costed Rs.24, 84420.00 Photographs of entry point activities done in the project are given below:

Name of PIA	Name of Project	Year	Name of Block	Name of project/ Name of village Code of project	E.P.A cost in lakh	Description Of Work	Cost in lakh	
LDWR Hamirpur-VIII	IWMP-IV	2010-11	Sarila	Barhaira (2C2A4b2a)	1.97	01 Construction of Khadanja from School to Dr. Shiv Sahay home.	1.97	-
				Manakhari (2C2A4b2e)	1.92	01 Construction of Khadanja and Nal	1.92	-
				Panchkhura (2C2A2b2c)	3.12	03 Construction of Khadanja, Soakpit and Nal	3.12	-
				Harsundi (2C2A4b1a)	2.06	Construction of Khadanja,	2.06	-
				Rerua Bujurg (2C2A4a2c)	3.13	Construction of Khadanja, Soakpit and Nal	3.13	-
				Newly Basa (2C2A4b1b)	1.79	Construction of Khadanja, Soakpit and Nal	1.79	-
				Khandaut (2C2A4a2d)	3.24	Construction of Khadanja, Soakpit and Nal	3.24	
				Mamna (2C2A2b2g)	1.59	Construction of Khadanja, Soakpit and Nal	1.59	
				Gahuli (2C2A2b2f)	2.42	Construction of Khadanja and repairing of Well	2.42	
				Puraini (2C2A2b1e)	2.51	Construction of Khadanja, Soakpit and Nal	2.51	
				Kathari (2C2A2b1g)	2.46	Construction of Khadanja and Nal	2.46	
				Bilgaon (2C2A2b1f)	2.54	Construction of Khadanja and Nal	2.54	
				Total	**28.75**		**28.75**	

PHOTOGRAPHS OF EPA

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 miltch 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 18 years data (1990-2009) with a gap of 2005 and 2006). It is estimated that runoff potential of the project area is 333.86 mm, equivalent to 62 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-IV Hamirpur)

Sr. No.	Name of Micro Watershed	Cause	Type of erosion	Area affected (ha)	Run off (mm/ year)	Average Soil Loss (Tonnes/ ha/ year)
1	Barhaira (2C2A4b2a)	Water erosion				
		a	Sheet	118.9	336	30-34
		b	Rill	188.6		
		c	Gully	102.5		
		Total		**410**		
2	Manakhari (2C2A4b2e)	Water erosion				
		a	Sheet	116.29	348	32-34
		b	Rill	184.46		
		c	Gully	100.25		
		Total		**401.00**		
3	Panchkhura (2C2A2b2c)	Water erosion				
		a	Sheet	188.50	334	31-33
		b	Rill	299.00		
		c	Gully	162.50		
		Total		**650.00**		
4	Harsundi (2C2A4b1a)	Water erosion				
		a	Sheet	124.70	340	29-33
		b	Rill	197.80		
		c	Gully	107.50		
		Total		**430.00**		
5	Rerua Bujurg (2C2A4a2c)	Water erosion				
		a	Sheet	189.08	346	30-34
		b	Rill	299.92		
		c	Gully	163.00		
		Total		**652.00**		
6	Newly Basa (2C2A4b1b)	Water erosion				
		a	Sheet	107.88	342	32-34
		b	Rill	171.12		
		c	Gully	93.00		
		Total		**372.00**		
7	Khandaut	Water erosion				

8	(2C2A4a2d)	a	Sheet	195.75	338	31-33
		b	Rill	310.50		
		c	Gully	168.75		
		Total		**675.00**		
	Mamna (2C2A2b2g)	Water erosion				
		a	Sheet	96.28	332	29-33
		b	Rill	152.72		
		c	Gully	83.00		
		Total		**332.00**		
9	Gahuli (2C2A2b2f)	Water erosion				
		a	Sheet	146.16	341	28-30
		b	Rill	231.84		
		c	Gully	126.00		
		Total		**504.00**		
10	Puraini (2C2A2b1e)	Water erosion				
		a	Sheet	151.38	340	28-30
		b	Rill	240.12		
		c	Gully	130.50		
		Total		**522.00**		
11	Kathari (2C2A2b1g)	Water erosion				
		a	Sheet	148.48	336	30-32
		b	Rill	235.52		
		c	Gully	128.00		
		Total		**512.00**		
12	Bilgaon (2C2A2b1f)	Water erosion				
		a	Sheet	153.70	343	30-34
		b	Rill	243.80		
		c	Gully	132.50		
		Total		**530.00**		
Total for IWMP-IV		Water erosion				
		a	**Sheet**	1737.10	**340**	30-32
		b	**Rill**	2755.40		
		c	**Gully**	1497.50		
		Total		**5990.00**		

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 village comes under each micro-watershed. Information of individual beneficiaries is kept in respective project file available with PIA. Beneficiary wise information was summerised and prepared for each micro-watershed and gram panchayat wise (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-IV Hamirpur

Particular of Measures/Activities	Unit No., Length/ ha, Volume	Barhaira (2C2A4b2a)		Manakhari (2C2A4b2e)		Panchkhura (2C2A2b2c)		Harsundi (2C2A4b1a)	
		Qanty.	Cost	Qanty.	Cost	Qanty.	Cost	Qnty	Est. Cost
I Soil & Water Conservation Measures									
A- Moisture Conservation Measures									
1. Field Bund	-	-	-	-	-	-	-	-	-
2. Contour Bund (with Sodding)	Cum	13539	5.70	14313	6.02	23440	10.20	37467	15.77
3. Peripheral Bund (with Sodding)	cum	18069	7.63	25331	12.53	19551	9.067	48204	23.84
4. Marginal Bund (with Sodding)	cum	33319	16.48	30020	14.85	29848	14.76	76232	37.71
5.Submergence Bundhi (with Sodding)	cum	19503	9.53	27472	13.59	39979	19.77	87701	43.38
B- Water Resource Development									
1. Tank/Pond	No	-	-	-	-	-	-	-	-
2- Water Harvesting Bundhi/ 3-GP	cum	18072 -	9.40 -	12150 -	6.32 -	17268 -	8.98 -	- -	- -
4. Field Drainage Structure/Drop Spill Way 5-ECD	No/cum	20/21339 16462	11.10 8.56	20/27123 11629	14.11 6.05	20/27389 14493	14.25 7.54	12 -	550 -
Total		**20/140305**	**68.41**	**20/148040**	**73.48**	**20/171970**	**85.19**	**12/249604**	**126.22**
Total for IWMP			**2755**		**26.95**		**43.68**		**28.90**

Convergence MNREGA			**40.86**		**46.53**		**41.51**		**97.32**
B **Silvi-postoral System**									
A. Trees + Grasses									
1. Sirash - Stylo hamata & Cencrush (1:1)	ha	2	0.40	2	0.40	2	0.40	2	0.40
3. Subabul - Stylo hamata & Cencrush (1:1)	ha	1	0.21	1	0.21	1	0.21	1	0.21
B. Grasses species									
1. Hetropogon / Crysopogon (On bund)	ha	10	0.30	10	0.30	10	0.30	10	0.30
2. Cencrush (On bund)	ha	10	0.30	10	0.30	10	0.30	10	0.30
3. Dina Nath grass (On bund)	ha	10	0.30	10	0.30	10	0.30	10	0.30
Total		**33**	**1.510**	**33**	**1.510**	**33**	**1.510**	**33**	**1.510**
II Livelihood for landless People									
1. Goatary	No SHGs/Member	5/50	1.145	4/40	1.045	10/100	2.50	5/50	1.145
2. Back Yard Poultry	No SHGs/Member	4/40	0.20	4/40	0.20	8/80	0.40	4/40	0.20
3. Poultry (Broiler)	No SHGs/Member	2/20	0.50	2/20	0.50	4/40	1.00	2/20	0.50
4. Black Smithy	No SHGs/Member	1/10	0.23	1/10	0.23	1/10	0.23	1/10	0.23
5. Rope Making (Linseed)	No SHGs/Member	1/10	0.24	1/10	0.24	1/10	0.24	1/10	0.24
6. Tailoring	No SHGs/Member	1/20	0.25	1/20	0.25	1/20	0.25	1/20	0.25
7. Repairing of Diesel Engine / Implements	No SHGs/Member	1/1	0.15	1/1	0.15	1/1	0.15	1/1	0.15
8. Vermi composting	No SHGs/Member	1/10	0.25	1/10	0.25	3/30	0.785	2/20	0.46
9. Fruit Processing	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245
10. Mini Dal Mill	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245

11. Mini flour Mill	No SHGs/Member	1/10	0.235	1/10	0.235	1/10	0.235	1/10	0.235
12. Mini Oil Expeller	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245
13. Carpentry **Total**	No SHGs/Member	2/20 **22/220**	0.495 **4.43**	2/20 **21/210**	0.495 **4.33**	2/20 **35/350**	0.495 **7.02**	2/20 **23/230**	0.495 **4.64**
III **Agriculture Production System**									
A- Crop Demonstrations- (Crop Wise)									
(1)SMC Area:									
1. Lentil (ICM)	No. of farmers /Area (ha)	4/2	0.12	4/2	0.12	16/8	0.352	4/2	0.12
2. Chickpea (ICM)	No. of farmers /Area	3/1.5	0.09	3/1.5	0.09	12/6	0.33	3/1.5	0.09
3. Field Pea (ICM)	No. of farmers /Area	4/2	0.12	4/2	0.12	6/3	0.175	4/2	0.12
4. Linseed (ICM)	No. of farmers /Area	4/2	0.12	4/2	0.12	10/5	0.1125	4/2	0.12
5. Mustard (ICM)	No. of farmers /Area	4/2	0.06	4/2	0.06	8/4	0.112	4/2	0.06
6. Til (IPNM)	No. of farmers /Area	4/2	0.06	4/2	0.06	8/4	0.144	4/2	0.06
7. Urd (ICM)	No. of farmers /Area	4/2	0.12	4/2	0.12	15/7.5	0.263	4/2	0.12
8. Sorghum (ICM)	No. of farmers /Area	-	-	-	-	4/2	0.144	-	-
9. Arhar (ICM)	No. of farmers /Area	6/3	0.18	6/3	0.18	10/5	0.15	6/3	0.18
10. Wheat	**No. of farmers /Area**	4/2	0.12	4/2	0.12	8/4	0.23	4/2	0.12
B- Production of seeds 1. Lentil	No. of farmers /Area	8/4	0.24	8/4	0.24	8/4	0.24	8/4	0.24
2. Chickpea	No. of farmers /Area	5/2.5	0.15	5/2.5	0.15	10/5	0.286	5/2.5	0.15

3. Field Pea	No. of farmers /Area	4/2	0.12	4/2	0.12	4/2	0.16	4/2	0.12
4. Linseed	No. of farmers /Area	-	-	-	-	8/4	0.15	-	-
5. Mustard	No. of farmers /Area	4/2	0.12	4/2	0.12	10/5	0.181	4/2	0.12
6. Wheat	No. of farmers /Area	6/3	0.18	6/3	0.18	16/8	0.20	6/3	0.18
7. Til	No. of farmers /Area	6/3	0.10	6/3	0.10	8/4	0.02	6/3	0.10
8. Urd	No. of farmers /Area	2/1	0.06	2/1	0.06	4/2	0.124	2/1	0.06
Agroforestry:-									
A. Scattered Plantation									
Species…..									
1- Aonla	No. of Plants	200	0.120	200	0.120	100	0.060	200	0.120
2- Ber	No. of Plants	200	0.100	200	0.100	400	0.200	200	0.100
3- Bael	No. of Plants	200	0.120	200	0.120	150	0.090	200	0.120
4 - Citrus spp.	No. of Plants	100	0.050	100	0.050	200	0.100	100	0.050
5. Guava	No. of Plants	100	0.060	100	0.060	200	0.12	100	0.060
B. Agri-Horticultural System									
Species 1- Aonla	Area in ha	1.0	0.125	1.0	0.125	2.0	0.25	1.0	0.125
2- Ber	Area in ha	1.0	0.115	1.0	0.115	2.0	0.23	1.0	0.115
5. Guava	Area in ha	1.0	0.290	1.0	0.290	1.0	0.29	1.0	0.290
C Block Plantation/ Orchard									

Species…..									
1- Guava (Spacing 8 X 6 M)	Area in ha	1.00	0.125	1.00	0.125	2.50	0.312	1.00	0.125
2- Ber (Sapcing 8 X 5 M)	Area in ha	1.00	0.125	1.00	0.125	3.50	0.435	1.00	0.125
3- Aonla (Spacing 8 X 8 M)	Area in ha	1.00	0.125	1.00	0.125	2.50	0.232	1.00	0.125
D. Afforestation on Private Land									
Species									
1- Teak (Sapcing 4 X 2.5 M)	ha.	1.00	0.115	1.00	0.115	1.00	0.115	1.00	0.115
2- Shisham (Sapcing 8 X 6 M)	ha.	1.00	0.125	1.00	0.125	1.00	0.125	1.00	0.125
3. Bael (8 X 8 M)	ha	1.00	0.080	1.00	0.080	1.00	0.080	1.00	0.080
4. Jamun (Scattered plantation)	No	100	0.060	100	0.060	100	0.060	100	0.060
5. Phalsa (On Bund)	Running Meter	400	0.160	400	0.160	400	0.160	400	0.160
Live Stock Management									
A. Rearing of Milch cattle-									
1- Cow (Castration) @ Rs 30/ animal	No. of Animals / Farmers	600/150	0.18	600/150	0.17	600/150	0.18	600/150	0.17
2- Buffalloes-(Heifer/Buffallo Calf Murrah)	No. of Animals/ Farmers	1/1	0.12	-	-	1/1	0.12	1/1	0.11
3- Goatry-	No. of animals / Farmers	384/35	0.02	384/35	0.02	384/35	0.02	384/35	0.02
4- Broiler-	No. of Units / Farmers	2/2	0.12	2/2	0.12	2/2	0.12	2/2	0.12
5- Layers-	No. of Units / Farmers	2/2	0.12	2/2	0.12	2/2	0.12	2/2	0.12
6- Piggeries-	No. of Units / Farmers	0	0.00	0	0.00	0	0.00	0	0.00
7- Fisheries -	No. of Units / Farmers	0	0.00	0	0.00	0	0.00	0	0.00
8- Dairy –(Animal Camp)	No. of animals / Farmers	500/150	0.125	500/150	0.125	1500/350	0.385	500/150	0.125
9- Green Fodder	ha/farmer	4/8	0.120	4/8	0.120	4/8	0.12	4/8	0.120

B. Veterinary Services/									
1- Vaccination/Medication	No. of Animals	500	0.040	500	0.040	890	0.04	500	0.040
2- Infertility Management 3- Others	No. of Animals No. of Animals	500	0.040	500	0.040	890	0.04	500	0.040
C. Livestock Improvement Measures									
1- Artificial Insemination	No. of Animals	356	0.18	356	0.18	356	0.18	356	0.18
2- Natural Service.	He Buffalo	-	-	-	-	1	0.24	1	0.24
Total for Ag. Production System			**4.92**		**4.81**		**7.80**		**5.16**

Particular of Measures/Activities		Unit	Rerua Bujurg (2C2A4a2c)		Newly Basa (2C2A4b1b)		Khandaut (2C2A4a2d)		Mamna (2C2A2b2g)	
		No/ Volume	Qanty.	Cost	Qanty.	Cost	Qanty.	Cost	Qnty	Est. Cost
I	**Soil & Water Conservation Measures**									
A- Moisture Conservation Measures										
1. Field Bund		-	-	-	-	-	-	-	-	-
2. Contour Bund (with Sodding) 3. Peripheral Bund (with Sodding)		cum cum	6050 35308	2.54 17.46	23724 13468	9.99 6.66	17545 31519	7.38 15.59	16426 23406	6.91 15.57
4. Marginal Bund (with Sodding)		cum	40458	20.01	66774	33.03	30056	14.86	25713	12.72
5.Submergence Bundhi (with Sodding)		cum	17857	8.83	41561	20.56	15808	7.73	41997	20.77
B- <u>Water Resource Development</u>										
1. Tank/Pond		No	-	-	-	-	-	-	-	-
2- Water Harvesting Bundhi/		cum	9258	4.81	7547	3.92	14743	7.67	10546	5.48
3-GP			-	-	-	-	-	-	-	-
4. Field Drainage Structure/Drop Spill Way		No/cum	16/21486	11.17	12/10161	5.28	10/12753	6.63	10/14280	7.42

5-ECD		12625	6.56	16325	8.49	15465	8.04	7068	3.67
Total		**16/143044**	**71.42**	**12/179562**	**87.95**	**10/137891**	**67.93**	**10/139438**	**68.58**
Total for IWMP **Convergence MNREGA**			**43.81** **27.61**		**25.00** **62.95**		**45.36** **22.57**	**0** **0**	**22.31** **46.27**
B **Silvi-postoral System**									
A. Trees + Grasses									
1. Sirash - Stylo hamata & Cencrush (1:1)	ha	2	0.40	2	0.40	2	0.40	**14**	**2.8**
2. Subabul - Stylo hamata & Cencrush (1:1)		1	0.21	1	0.21	1	0.21	**7**	**1.47**
B. Grasses species 1. Hetropogon / Crysopogon (On bund)	ha	10	0.30	10	0.30	10	0.30	**70**	**2.1**
2. Cencrush (On bund)	ha	10	0.30	10	0.30	10	0.30	**70**	**2.1**
3. Dina Nath grass (On bund)	ha	10	0.30	10	0.30	10	0.30	**70**	**2.1**
Total		**33**	**1.510**	**33**	**1.510**	**33**	**1.510**	**231**	**10.57**
II <u>Livelihood for landless People</u>									
1. Goatary	No SHGs/Member	10/100	2.50	3/30	0.735	10/100	2.50	2/20	0.50
2. Back Yard Poultry	No SHGs/Member	8/80	0.40	4/40	0.20	8/80	0.40	4/40	0.20
3. Poultry (Broiler)	No SHGs/Member	4/40	1.00	2/20	0.50	4/40	1.00	2/20	0.50
4. Black Smithy	No SHGs/Member	1/10	0.23	1/10	0.23	2/20	0.50	1/10	0.23
5. Rope Making (Linseed)	No SHGs/Member	1/10	0.24	1/10	0.24	1/10	0.24	1/10	0.24
6. Tailoring	No SHGs/Member	1/20	0.25	1/20	0.25	1/20	0.25	1/20	0.24
7. Repairing of Diesel Engine / Implements	No SHGs/Member	1/1	0.17	1/1	0.15	1/1	0.15	-	-
8. Vermi composting	No SHGs/Member	3/30	0.785	1/10	0.25	3/30	0.785	2/20	0.46
9. Fruit Processing	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245
10. Mini Dal Mill	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245

11. Mini flour Mill	No SHGs/Member	1/10	0.235	1/10	0.235	1/10	0.235	1/10	0.235
12. Mini Oil Expeller	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245
13. Carpentry **Total**	No SHGs/Member	2/20 **35/350**	0.495 **7.04**	2/20 **20/200**	0.495 **4.02**	2/20 **35/350**	0.495 **7.29**	1/10 **18/180**	0.25 **3.59**
III **Agriculture Production System**									
A- Crop Demonstrations- (Crop Wise)									
(1)SMC Area:									
1. Lentil (ICM)	No. of farmers /Area (ha)	16/8	0.352	4/2	0.12	16/8	0.352	4/2	0.12
2. Chickpea (ICM)	No. of farmers /Area	12/6	0.33	3/1.5	0.09	12/6	0.33	3/1.5	0.09
3. Field Pea (ICM)	No. of farmers /Area	6/3	0.175	4/2	0.12	6/3	0.175	4/2	0.12
4. Linseed (ICM)	No. of farmers /Area	10/5	0.1125	4/2	0.12	10/5	0.1125	4/2	0.12
5. Mustard (ICM)	No. of farmers /Area	8/4	0.112	4/2	0.06	8/4	0.112	4/2	0.06
6. Til (IPNM)	No. of farmers /Area	8/4	0.144	4/2	0.06	8/4	0.144	4/2	0.06
7. Urd (ICM)	No. of farmers /Area	15/7.5	0.263	4/2	0.12	15/7.5	0.263	4/2	0.12
8. Sorghum (ICM)	No. of farmers /Area	4/2	0.144	-	-	4/2	0.144	-	-
9. Arhar (ICM)	No. of farmers /Area	10/5	0.15	6/3	0.18	10/5	0.15	6/3	0.18
10. Wheat	**No. of farmers /Area**	8/4	0.23	4/2	0.12	8/4	0.23	4/2	0.12
B- Production of seeds 1. Lentil	No. of farmers /Area	8/4	0.24	-	-	8/4	0.24	8/4	0.24
2. Chickpea	No. of farmers /Area	10/5	0.286	5/2.5	0.15	10/5	0.286	5/2.5	0.15

3. Field Pea	No. of farmers /Area	4/2	0.16	4/2	0.12	4/2	0.16	4/2	0.12
4. Linseed	No. of farmers /Area	8/4	0.15	-	-	8/4	0.15	-	-
5. Mustard	No. of farmers /Area	10/5	0.181	-	-	10/5	0.181	4/2	0.12
6. Wheat	No. of farmers /Area	16/8	0.20	6/3	0.17	16/8	0.20	6/3	0.18
7. Til	No. of farmers /Area	8/4	0.02	6/3	0.10	8/4	0.02	6/3	0.10
8. Urd	No. of farmers /Area	4/2	0.124	2/1	0.06	4/2	0.124	2/1	0.06
Agroforestry:-									
A. Scattered Plantation									
Species…..									
1- Aonla	No. of Plants	100	0.060	200	0.120	100	0.060	200	0.120
2- Ber	No. of Plants	400	0.200	200	0.100	400	0.200	200	0.100
3- Bael	No. of Plants	150	0.090	200	0.120	150	0.090	200	0.120
4 - Citrus spp.	No. of Plants	200	0.100	100	0.050	200	0.100	100	0.050
5. Guava	No. of Plants	200	0.12	100	0.060	200	0.12	100	0.060
B. Agri-Horticultural System									
Species 1- Aonla	Area in ha	2.0	0.25	1.0	0.125	2.0	0.25	1.0	0.125
2- Ber	Area in ha	2.0	0.23	1.0	0.115	2.0	0.23	1.0	0.115
5. Guava	Area in ha	1.0	0.29	1.0	0.290	1.0	0.29	1.0	0.290
C Block Plantation/ Orchard									

Species…..									
1- Guava (Spacing 8 X 6 M)	Area in ha	2.50	0.312	1.00	0.125	2.50	0.312	1.00	0.125
2- Ber (Sapcing 8 X 5 M) 3- Aonla (Spacing 8 X 8 M)	Area in ha Area in ha	3.50 2.50	0.435 0.232	1.00 1.00	0.125 0.125	3.50 2.50	0.435 0.232	1.00 1.00	0.125 0.125
D. Afforestation on Private Land									
Species									
1- Teak (Sapcing 4 X 2.5 M)	ha.	1.00	0.115	1.00	0.115	1.00	0.115	1.00	0.115
2- Shisham (Sapcing 8 X 6 M)	ha.	1.00	0.125	1.00	0.125	1.00	0.125	1.00	0.125
3. Bael (8 X 8 M)	ha	1.00	0.080	1.00	0.080	1.00	0.080	1.00	0.080
4. Jamun (Scattered plantation)	No	100	0.060	100	0.060	100	0.060	100	0.060
5. Phalsa (On Bund)	Running Meter	400	0.160	400	0.160	400	0.160	400	0.160
Live Stock Management									
A. Rearing of Milch cattle-									
1- Cow (Castration) @ Rs 30/ animal	No. of Animals / Farmers	600/150	0.18	600/150	0.17	600/150	0.18	600/150	0.17
2- Buffalloes-(Heifer/Buffallo Calf Murrah)	No. of Animals/ Farmers	1/1	0.12	-	-	1/1	0.12	1/1	0.11
3- Goatry- 4- Broiler-	No. of animals / Farmers No. of Units / Farmers	384/35 2/2	0.02 0.12	384/35 2/2	0.02 0.12	384/35 2/2	0.02 0.12	384/35 2/2	0.02 0.12
5- Layers-	No. of Units / Farmers	2/2	0.12	2/2	0.12	2/2	0.12	2/2	0.12
6- Piggeries-	No. of Units / Farmers	0	0.00	0	0.00	0	0.00	0	0.00
7- Fisheries -	No. of Units / Farmers	0	0.00	0	0.00	0	0.00	0	0.00
8- Dairy –(Animal Camp)	No. of animals / Farmers	1500/350	0.385	500/150	0.125	3000/700	0.685	500/150	0.125
9- Green Fodder	ha/farmer	4/8	0.12	4/8	0.120	4/8	0.12	4/8	0.120

B. Veterinary Services/									
1- Vaccination/Medication	No. of Animals	890	0.04	500	0.040	890	0.04	500	0.040
2- Infertility Management 3- Others	No. of Animals No. of Animals	890	0.04	500	0.040	890	0.04	500	0.040
C. Livestock Improvement Measures									
1- Artificial Insemination	No. of Animals	356	0.18	356	0.18	356	0.18	356	0.18
2- Natural Service.	He Buffalo	1	0.22	-	-	1	0.24	-	-
Total for Ag. Production System			**7.82**		**4.46**		**8.10**		**3.98**

Particular of Measures/Activities		Unit	Gahuli (2C2A2b2f)		Puraini (2C2A2b1e)		Kathari (2C2A2b1g)		Bilgaon (2C2A2b1f)		Total	
		No/ Volume	Qanty.	Cost	Qanty.	Cost	Qanty.	Cost	Qnty	Cost	Qnty	Cost
I	**Soil &Water Conservation Measures**											
A- Moisture Conservation Measures												
1. Field Bund 2. Contour Bund (with Sodding)		- cum	- 18241	- 7.68	- 18074	- 8.11	- -	- -	- 11337	- 4.77	**200160**	**85.12**
3. Peripheral Bund (with Sodding)		cum	-	-	-	-	25569	12.64	21616	10.69	**292281**	**144.59**
4. Marginal Bund (with Sodding)		cum	39305	19.44	17415	8.61	25557	12.64	21245	10.51	**405711**	**199.39**
5.Submergence Bundhi (with Sodding)		cum	76145	37.66	15475	7.65	21800	10.78	28183	13.94	**433487**	**214.24**
B- Water Resource Development												
1. Tank/Pond		No	-	-	-	-	-	-	-	-	**-**	**-**
2- Water Harvesting Bundhi/		cum	7593	3.95	6313	3.28	24500	12.74	15623	8.12	**143616**	**74.72**

3-GP	cum	-	-	-	-			-	-	**-**	**-**
4. Field Drainage Structure/Drop Spill Way	No/cum	-	-	-	-	8/ 22042	11.46	10/ 31030	16.14	**187606**	**97.61**
5-ECD **Total**	cum	- **141286**	- **68.74**	31834 **89114**	16.56 **44.23**	3500 **8/122970**	1.82 **62.11**	9904 **10/138941**	5.15 **69.34**	**139308** **1802171**	**72.48** **888.17**
Total for IWMP			**33.87**		**35.08**		**34.41**		**35.62**		**402.53**
Convergence MNREGA			**34.87**		**9.15**		**27.70**		**33.72**		**485.64**
B **Silvi-postoral System**											
A. Trees + Grasses											
1. Sirash - Stylo hamata & Cencrush (1:1)	ha	2	0.40	2	0.40	2	0.40	2	0.40	**24**	**4.80**
2. Subabul - Stylo hamata & Cencrush (1:1)		1	0.21	1	0.21	1	0.21	1	0.21	**12**	**2.52**
B. Grasses species											
1. Hetropogon/ Crysopogon (On bund)	ha	10	0.30	10	0.30	10	0.30	10	0.30	**120**	**3.60**
2. Cencrush (On bund)	ha	10	0.30	10	0.30	10	0.30	10	0.30	**120**	**3.60**
3. Dina Nath grass (On bund)	ha	10	0.30	10	0.30	10	0.30	10	0.30	**120**	**3.60**
Total		**33**	**1.510**	**33**	**1.510**	**33**	**1.510**	**33**	**1.510**	**396**	**18.12**
II <u>Livelihood for landless People</u> 1. Goatary	No SHGs/Member	4/40	0.90	4/40	1.00	4/40	0.89	4/40	1.00	**62/620**	**15.86**
2. Back Yard Poultry	No SHGs/Member	8/80	0.40	8/80	0.50	8/80	0.50	8/80	0.50	**15/150**	**4.10**
3. Poultry (Broiler)	No SHGs/Member	4/40	1.00	4/40	1.00	4/40	1.00	4/40	1.00	**38/380**	**9.50**
4. Black Smithy	No SHGs/Member	1/10	0.23	1/10	0.23	1/10	0.23	1/10	0.23	**12/120**	**3.03**
5. Rope Making (Linseed)	No SHGs/Member	1/10	0.24	1/10	0.24	1/10	0.24	1/10	0.24	**12/120**	**2.88**
6. Tailoring	No SHGs/Member	1/20	0.25	1/20	0.25	1/20	0.25	1/20	0.25	**12/120**	**2.99**
7. Repairing of Diesel Engine / Implements	No SHGs/Member	1/1	0.17	1/1	0.17	1/1	0.17	1/1	0.25	**12/120**	**1.83**
8. Vermi composting	No SHGs/Member	3/30	0.785	3/30	0.785	3/30	0.785	3/30	0.785	**30/300**	**7.165**
	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245	**12/120**	**2.94**

9. Fruit Processing											
10. Mini Dal Mill	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245	**12/120**	**2.94**
11. Mini flour Mill	No SHGs/Member	1/10	0.235	1/10	0.235	1/10	0.235	1/10	0.235	**12/120**	**2.82**
12. Mini Oil Expeller	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245	**12/120**	**2.94**
13. Carpentry	No SHGs/Member	2/20	0.495	2/20	0.495	2/20	0.495	2/20	0.495	**24/240**	**5.695**
Total		**29/290**	**5.44**	**29/290**	**5.64**	**29/290**	**5.53**	**29/290**	**5.72**	**265/2650**	**64.69**
III **Agriculture Production System**											
A- Crop Demonstrations- (Crop Wise)											
(1)SMC Area:											
1. Lentil (ICM)	No. of farmers/Area (ha)	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**70/35**	2.136
2. Chickpea (ICM)	No. of farmers/Area	3/1.5	0.09	3/1.5	0.09	3/1.5	0.09	3/1.5	0.09	**60/30**	1.8
3. Field Pea (ICM)	No. of farmers/Area	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**52/26**	1.605
4. Linseed (ICM)	No. of farmers/Area	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**46/23**	1.4175
5. Mustard (ICM)	No. of farmers/Area	4/2	0.06	4/2	0.06	4/2	0.06	4/2	0.06	**58/29**	0.876
6. Til (IPNM)	No. of farmers/Area	4/2	0.06	4/2	0.06	4/2	0.06	4/2	0.06	**65/33.5**	0.972
7. Urd (ICM)	No. of farmers/Area	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**62/31**	1.869
8. Sorghum (ICM)	No. of farmers/Area	-	-	-	-	-	-	-	-	**14/7**	0.432
9. Arhar (ICM)	No. of farmers/Area	6/3	0.18	6/3	0.18	6/3	0.18	6/3	0.18	**69/34.5**	2.07
10. Wheat	**No. of farmers /Area**	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**59/29.5**	1.77

B- Production of seeds											-
1. Lentil	No. of farmers/Area	8/4	0.24	8/4	0.24	8/4	0.24	8/4	0.24	**88/44**	2.64
2. Chickpea	No. of farmers/Area	5/2.5	0.15	5/2.5	0.15	5/2.5	0.15	5/2.5	0.15	**74/37**	2.208
3. Field Pea	No. of farmers/Area	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**52/26**	1.56
4. Linseed	No. of farmers/Area	-	-	-	-	-	-	10/5	0.31	**24/12**	0.76
5. Mustard	No. of farmers/Area	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**50/25**	1.503
6. Wheat	No. of farmers/Area	6/3	0.18	6/3	0.18	6/3	0.18	6/3	0.18	**72/36**	2.21
7. Til	No. of farmers/Area	6/3	0.10	6/3	0.10	6/3	0.10	6/3	0.10	**64/32**	0.96
8. Urd	No. of farmers/Area	2/1	0.06	2/1	0.06	2/1	0.06	2/1	0.06	**30/15**	0.912
Agroforestry:-											-
A. Scattered Plantation											-
Species…..											-
1- Aonla	No. of Plants	200	0.120	200	0.120	200	0.120	200	0.120	**2400**	1.26
2- Ber	No. of Plants	200	0.100	200	0.100	200	0.100	200	0.100	**2400**	1.5
3- Bael	No. of Plants	200	0.120	200	0.120	200	0.120	200	0.120	**2400**	1.35
4- Citrus spp..	No. of Plants	100	0.050	100	0.050	100	0.050	100	0.050	**1200**	0.75
5. Guava	No. of Plants	100	0.060	100	0.060	100	0.060	100	0.060	**1200**	0.9
B. Agri-Horticultural System											-

1- Aonla	Area in ha	1.0	0.125	1.0	0.125	1.0	0.125	1.0	0.125	**12**	1.875
2- Ber	Area in ha	1.0	0.115	1.0	0.115	1.0	0.115	1.0	0.115	**12**	1.725
5. Guava	Area in ha	1.0	0.290	1.0	0.290	1.0	0.290	1.0	0.290	**12**	3.48
C Block Plantation/ Orchard											-
Species…..											-
1- Guava (Spacing 8 X 6 M)	Area in ha	1.00	0.125	1.00	0.125	1.00	0.125	1.00	0.125	**12**	2.061
2- Ber (Sapcing 8 X 5 M)	Area in ha	1.00	0.125	1.00	0.125	1.00	0.125	1.00	0.125	**12**	2.43
3- Aonla (Spacing 8 X 8 M)	Area in ha	1.00	0.125	1.00	0.125	1.00	0.125	1.00	0.125	**12**	1.821
D. Afforestation on Private Land											-
Species											-
1- Teak (Sapcing 4 X 2.5 M)	ha.	1.00	0.115	1.00	0.115	1.00	0.115	1.00	0.115	**12**	1.38
2- Shisham (Sapcing 8 X 6 M)	ha.	1.00	0.125	1.00	0.125	1.00	0.125	1.00	0.125	**12**	1.5
3. Bael (8 X 8 M)	ha	1.00	0.080	1.00	0.080	1.00	0.080	1.00	0.080	**12**	0.96
4. Jamun (Scattered plantation)	No	100	0.060	100	0.060	100	0.060	100	0.060	**12**	0.72
5. Phalsa (On Bund)	Running Meter	400	0.160	400	0.160	400	0.160	400	0.160	**4800**	1.92
Live Stock Management											-
A. Rearing of Milch cattle-											-
1- Cow-	No. of Units / Farmers	600/150	0.17	600/150	0.17	600/150	0.17	600/150	0.17	**7200/1440**	2.08

2- Buffalloes-	No. of Units / Farmers	1/1	0.11	1/1	0.11	1/1	0.11	1/1	0.11	**12/12**	1.14
3- Goat ry-	No. of Units / Farmers	384/35	0.02	384/35	0.02	384/35	0.02	384/35	0.02	**4608/420**	0.24
4- Broiler-	No. of Units / Farmers	2/2	0.12	4/4	0.33	2/2	0.12	2/2	0.12	**28/28**	1.65
5- Layers-	No. of Units / Farmers	6/6	0.61	6/6	0.61	6/6	0.70	6/6	0.61	**72/72**	3.49
6- Piggeries-	No. of Units / Farmers	0	0.00	0	0.00	0	0.00	0	0.00	**-**	-
7- Fisheries -	No. of Units / Farmers	0	0.00	0	0.00	0	0.00	0	0.00	**-**	-
8- Dairy -	No. of Units / Farmers	500/150	0.125	500/150	0.125	500/150	0.125	500/150	0.125	**6000/900**	2.58
10- Green Fodder	ha/farmer	12/6	0.360	12/6	0.360	12/6	0.360	12/6	0.360	**144/72**	2.4
B. Veterinary Services/											-
1- Vaccination/Medication	No. of Animals	500	0.040	500	0.040	500	0.040	500	0.040	**6000**	0.48
2- Infertility Management	No. of Animals	500	0.040	500	0.040	500	0.040	500	0.040	**6000**	0.48
3- Others	No. of Animals	-	-	-	-	-	-	-	-		-
C. Livestock Improvement Measures											-
1- Artificial Insemination	No. of Animals	1200	0.36	1200	0.36	1200	0.36	1200	0.36	**14400**	2.88
2- Natural Service.	He Buffalo	1	0.24	1	0.24	1	0.24	1	0.24	**12**	1.9
Total for Ag. Production System			**6.05**		**6.26**		**6.14**		**6.36**		**71.88**

Note: The budget available under IWMP-V is Rs. 718.80 lakh; however, the activities are planned for the Rs. 12010 lacs. The deficit of Rs. 491.13 will be making up through convergence of MNREGA.

Note: Live Stock Management (As per Animal Husbandary Depptt.)

		Cost (Rs)	
Cow	1. Castration-	10	per animal Lavi cost of Animal Husbandry department of district
		20	Other Expenses
Buffallo	2.Supply	12000	Heifer
		12000	Buffallo Calf Murrah
Goatary	3. Mass Drenching	2	per animal
Dairy			Sanitation Measures
			Cleaning gauges
			Mineral Mixture
Green fodder	4. Mini kit		Oat
			Leucern
			Berseem
Services	Natural Service	24000	Bull
		24000	He Baffallo
	AI	30	AH
		40	BAIF

Teiup with Animal Husbandry Department of district, the Lavi rate of the department is Rs 2/ animal for vaccination, and madication

Gram Panchayat wise details of Watershed Development Activities proposed in IWMP-IV Hamirpur

Particular of Measures/Activities	Unit No., Length/ ha, Volume	Barhaira		Manakhari		Panchkhura		Harsundi	
		Qanty.	Cost	Qanty.	Cost	Qanty.	Cost	Qnty	Est. Cost
I **Soil & Water Conservation Measures**									
A- Moisture Conservation Measures									
1. Field Bund	-	-	-	-	-	-	-	-	-
2. Contour Bund (with Sodding)	Cum	13539	5.70	14313	6.02	23440	10.20	37467	15.77
3. Peripheral Bund (with Sodding)	cum	18069	7.63	25331	12.53	19551	9.067	48204	23.84
4. Marginal Bund (with Sodding)	cum	33319	16.48	30020	14.85	29848	14.76	76232	37.71
5.Submergence Bundhi (with Sodding)	cum	19503	9.53	27472	13.59	39979	19.77	87701	43.38
B- Water Resource Development									
1. Tank/Pond	No	-	-	-	-	-	-	-	-
2- Water Harvesting Bundhi/	cum	18072	9.40	12150	6.32	17268	8.98	-	-
3-GP		-	-	-	-	-	-	-	-
4. Field Drainage Structure/Drop Spill Way	No/cum	20/21339	11.10	20/27123	14.11	20/27389	14.25	12	550
5-ECD		16462	8.56	11629	6.05	14493	7.54	-	-
Total		**20/140305**	**68.41**	**20/148040**	**73.48**	**20/171970**	**85.19**	**12/249604**	**126.22**
Total for IWMP			**27.55**		**26.95**		**43.68**		**28.90**
Convergence MNREGA			**40.86**		**46.53**		**41.51**		**97.32**
B **Silvi-postoral System**									
A. Trees + Grasses									

1. Sirash - Stylo hamata & Cencrush (1:1)	ha	2	0.40	2	0.40	2	0.40	2	0.40
3. Subabul - Stylo hamata & Cencrush (1:1) **B. Grasses species**	ha	1	0.21	1	0.21	1	0.21	1	0.21
1. Hetropogon / Crysopogon (On bund)	ha	10	0.30	10	0.30	10	0.30	10	0.30
2. Cencrush (On bund)	ha	10	0.30	10	0.30	10	0.30	10	0.30
3. Dina Nath grass (On bund)	ha	10	0.30	10	0.30	10	0.30	10	0.30
Total		**33**	**1.510**	**33**	**1.510**	**33**	**1.510**	**33**	**1.510**
II <u>Livelihood for landless People</u>									
1. Goatary	No SHGs/Member	5/50	1.145	4/40	1.045	10/100	2.50	5/50	1.145
2. Back Yard Poultry	No SHGs/Member	4/40	0.20	4/40	0.20	8/80	0.40	4/40	0.20
3. Poultry (Broiler)	No SHGs/Member	2/20	0.50	2/20	0.50	4/40	1.00	2/20	0.50
4. Black Smithy	No SHGs/Member	1/10	0.23	1/10	0.23	1/10	0.23	1/10	0.23
5. Rope Making (Linseed)	No SHGs/Member	1/10	0.24	1/10	0.24	1/10	0.24	1/10	0.24
6. Tailoring	No SHGs/Member	1/20	0.25	1/20	0.25	1/20	0.25	1/20	0.25
7. Repairing of Diesel Engine / Implements	No SHGs/Member	1/1	0.15	1/1	0.15	1/1	0.15	1/1	0.15
8. Vermi composting	No SHGs/Member	1/10	0.25	1/10	0.25	3/30	0.785	2/20	0.46
9. Fruit Processing	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245
10. Mini Dal Mill	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245
11. Mini flour Mill	No SHGs/Member	1/10	0.235	1/10	0.235	1/10	0.235	1/10	0.235
12. Mini Oil Expeller	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245
	No	2/20	0.495	2/20	0.495	2/20	0.495	2/20	0.495

13. Carpentry	SHGs/Member								
Total		**22/220**	**4.43**	**21/210**	**4.33**	**35/350**	**7.02**	**23/230**	**4.64**
III **Agriculture Production System**									
A- Crop Demonstrations- (Crop Wise)									
(1)SMC Area:									
1. Lentil (ICM)	No. of farmers /Area (ha)	4/2	0.12	4/2	0.12	16/8	0.352	4/2	0.12
2. Chickpea (ICM)	No. of farmers /Area	3/1.5	0.09	3/1.5	0.09	12/6	0.33	3/1.5	0.09
3. Field Pea (ICM)	No. of farmers /Area	4/2	0.12	4/2	0.12	6/3	0.175	4/2	0.12
4. Linseed (ICM)	No. of farmers /Area	4/2	0.12	4/2	0.12	10/5	0.1125	4/2	0.12
5. Mustard (ICM)	No. of farmers /Area	4/2	0.06	4/2	0.06	8/4	0.112	4/2	0.06
6. Til (IPNM)	No. of farmers /Area	4/2	0.06	4/2	0.06	8/4	0.144	4/2	0.06
7. Urd (ICM)	No. of farmers /Area	4/2	0.12	4/2	0.12	15/7.5	0.263	4/2	0.12
8. Sorghum (ICM)	No. of farmers /Area	-	-	-	-	4/2	0.144	-	-
9. Arhar (ICM)	No. of farmers /Area	6/3	0.18	6/3	0.18	10/5	0.15	6/3	0.18
10. Wheat	**No. of farmers /Area**	4/2	0.12	4/2	0.12	8/4	0.23	4/2	0.12
B- Production of seeds									
1. Lentil	No. of farmers /Area	8/4	0.24	8/4	0.24	8/4	0.24	8/4	0.24
2. Chickpea	No. of farmers /Area	5/2.5	0.15	5/2.5	0.15	10/5	0.286	5/2.5	0.15
3. Field Pea	No. of farmers /Area	4/2	0.12	4/2	0.12	4/2	0.16	4/2	0.12
4. Linseed	No. of farmers /Area	-	-	-	-	8/4	0.15	-	-
5. Mustard	No. of farmers /Area	4/2	0.12	4/2	0.12	10/5	0.181	4/2	0.12

6. Wheat	No. of farmers /Area	6/3	0.18	6/3	0.18	16/8	0.20	6/3	0.18
7. Til	No. of farmers /Area	6/3	0.10	6/3	0.10	8/4	0.02	6/3	0.10
8. Urd	No. of farmers /Area	2/1	0.06	2/1	0.06	4/2	0.124	2/1	0.06
Agroforestry:-									
A. Scattered Plantation									
Species…..									
1- Aonla	No. of Plants	200	0.120	200	0.120	100	0.060	200	0.120
2- Ber	No. of Plants	200	0.100	200	0.100	400	0.200	200	0.100
3- Bael	No. of Plants	200	0.120	200	0.120	150	0.090	200	0.120
4 - Citrus spp.	No. of Plants	100	0.050	100	0.050	200	0.100	100	0.050
5. Guava	No. of Plants	100	0.060	100	0.060	200	0.12	100	0.060
B. Agri-Horticultural System									
Species									
1- Aonla	Area in ha	1.0	0.125	1.0	0.125	2.0	0.25	1.0	0.125
2- Ber	Area in ha	1.0	0.115	1.0	0.115	2.0	0.23	1.0	0.115
5. Guava	Area in ha	1.0	0.290	1.0	0.290	1.0	0.29	1.0	0.290
C Block Plantation/ Orchard									
Species…..									
1- Guava (Spacing 8 X 6 M)	Area in ha	1.00	0.125	1.00	0.125	2.50	0.312	1.00	0.125
2- Ber (Sapcing 8 X 5 M)	Area in ha	1.00	0.125	1.00	0.125	3.50	0.435	1.00	0.125

3- Aonla (Spacing 8 X 8 M)	Area in ha	1.00	0.125	1.00	0.125	2.50	0.232	1.00	0.125
D. Afforestation on Private Land									
Species									
1- Teak (Sapcing 4 X 2.5 M)	ha.	1.00	0.115	1.00	0.115	1.00	0.115	1.00	0.115
2- Shisham (Sapcing 8 X 6 M)	ha.	1.00	0.125	1.00	0.125	1.00	0.125	1.00	0.125
3. Bael (8 X 8 M)	ha	1.00	0.080	1.00	0.080	1.00	0.080	1.00	0.080
4. Jamun (Scattered plantation)	No	100	0.060	100	0.060	100	0.060	100	0.060
5. Phalsa (On Bund)	Running Meter	400	0.160	400	0.160	400	0.160	400	0.160
Live Stock Management									
A. Rearing of Milch cattle-									
1- Cow (Castration) @ Rs 30/ animal	No. of Animals / Farmers	600/150	0.18	600/150	0.17	600/150	0.18	600/150	0.17
2- Buffalloes-(Heifer/Buffallo Calf Murrah)	No. of Animals/ Farmers	1/1	0.12	-	-	1/1	0.12	1/1	0.11
3- Goatry-	No. of animals / Farmers	384/35	0.02	384/35	0.02	384/35	0.02	384/35	0.02
4- Broiler-	No. of Units / Farmers	2/2	0.12	2/2	0.12	2/2	0.12	2/2	0.12
5- Layers-	No. of Units / Farmers	2/2	0.12	2/2	0.12	2/2	0.12	2/2	0.12
6- Piggeries-	No. of Units / Farmers	0	0.00	0	0.00	0	0.00	0	0.00
7- Fisheries -	No. of Units / Farmers	0	0.00	0	0.00	0	0.00	0	0.00
8- Dairy –(Animal Camp)	No. of animals / Farmers	500/150	0.125	500/150	0.125	1500/350	0.385	500/150	0.125
9- Green Fodder	ha/farmer	4/8	0.120	4/8	0.120	4/8	0.12	4/8	0.120
B. Veterinary Services/									
1- Vaccination/Medication	No. of Animals	500	0.040	500	0.040	890	0.04	500	0.040
2- Infertility Management	No. of Animals	500	0.040	500	0.040	890	0.04	500	0.040

3- Others	No. of Animals								
C. Livestock Improvement Measures									
1- Artificial Insemination	No. of Animals	356	0.18	356	0.18	356	0.18	356	0.18
2- Natural Service.	He Buffalo	-	-	-	-	1	0.24	1	0.24
Total for Ag. Production System			**4.92**		**4.81**		**7.80**		**5.16**

Particular of Measures/Activities		**Unit**	**Basariya**		**Newly Basa**		**Khandaut**		**Mamna**	
		No/ Volume	**Qanty.**	**Cost**	**Qanty.**	**Cost**	**Qanty.**	**Cost**	**Qnty**	**Est. Cost**
I	**Soil & Water Conservation Measures**									
A- Moisture Conservation Measures										
1. Field Bund		-	-	-	-	-	-	-	-	-
2. Contour Bund (with Sodding)		cum	6050	2.54	23724	9.99	17545	7.38	16426	6.91
3. Peripheral Bund (with Sodding)		cum	35308	17.46	13468	6.66	31519	15.59	23406	15.57
4. Marginal Bund (with Sodding)		cum	40458	20.01	66774	33.03	30056	14.86	25713	12.72
5.Submergence Bundhi (with Sodding)		cum	17857	8.83	41561	20.56	15808	7.73	41997	20.77
B- <u>Water Resource Development</u>										
1. Tank/Pond		No	-	-	-	-	-	-	-	-
2- Water Harvesting Bundhi/		cum	9258	4.81	7547	3.92	14743	7.67	10546	5.48
3-GP			-	-	-	-	-	-	-	-
4. Field Drainage Structure/Drop Spill Way		No/cum	16/21486	11.17	12/10161	5.28	10/12753	6.63	10/14280	7.42
5-ECD			12625	6.56	16325	8.49	15465	8.04	7068	3.67
Total			**16/143044**	**71.42**	**12/179562**	**87.95**	**10/137891**	**67.93**	**10/139438**	**68.58**
Total for IWMP				**43.81**		**25.00**		**45.36**	**0**	**22.31**
Convergence MNREGA				**27.61**		**62.95**		**22.57**	**0**	**46.27**
B	**Silvi-postoral System**									

A. Trees + Grasses									
1. Sirash - Stylo hamata & Cencrush (1:1)	ha	2	0.40	2	0.40	2	0.40	**14**	**2.8**
2. Subabul - Stylo hamata & Cencrush (1:1)		1	0.21	1	0.21	1	0.21	**7**	**1.47**
B. Grasses species									
1. Hetropogon / Crysopogon (On bund)	ha	10	0.30	10	0.30	10	0.30	**70**	**2.1**
2. Cencrush (On bund)	ha	10	0.30	10	0.30	10	0.30	**70**	**2.1**
3. Dina Nath grass (On bund)	ha	10	0.30	10	0.30	10	0.30	**70**	**2.1**
Total		**33**	**1.510**	**33**	**1.510**	**33**	**1.510**	**231**	**10.57**
II <u>Livelihood for landless People</u>									
1. Goatary	No SHGs/Member	10/100	2.50	3/30	0.735	10/100	2.50	2/20	0.50
2. Back Yard Poultry	No SHGs/Member	8/80	0.40	4/40	0.20	8/80	0.40	4/40	0.20
3. Poultry (Broiler)	No SHGs/Member	4/40	1.00	2/20	0.50	4/40	1.00	2/20	0.50
4. Black Smithy	No SHGs/Member	1/10	0.23	1/10	0.23	2/20	0.50	1/10	0.23
5. Rope Making (Linseed)	No SHGs/Member	1/10	0.24	1/10	0.24	1/10	0.24	1/10	0.24
6. Tailoring	No SHGs/Member	1/20	0.25	1/20	0.25	1/20	0.25	1/20	0.24
7. Repairing of Diesel Engine / Implements	No SHGs/Member	1/1	0.17	1/1	0.15	1/1	0.15	-	-
8. Vermi composting	No SHGs/Member	3/30	0.785	1/10	0.25	3/30	0.785	2/20	0.46
9. Fruit Processing	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245
10. Mini Dal Mill	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245
11. Mini flour Mill	No SHGs/Member	1/10	0.235	1/10	0.235	1/10	0.235	1/10	0.235
12. Mini Oil Expeller	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245
13. Carpentry	No SHGs/Member	2/20	0.495	2/20	0.495	2/20	0.495	1/10	0.25

Total		**35/350**	**7.04**	**20/200**	**4.02**	**35/350**	**7.29**	**18/180**	**3.59**
III **Agriculture Production System**									
A- Crop Demonstrations- (Crop Wise)									
(1)SMC Area:									
1. Lentil (ICM)	No. of farmers /Area (ha)	16/8	0.352	4/2	0.12	16/8	0.352	4/2	0.12
2. Chickpea (ICM)	No. of farmers /Area	12/6	0.33	3/1.5	0.09	12/6	0.33	3/1.5	0.09
3. Field Pea (ICM)	No. of farmers /Area	6/3	0.175	4/2	0.12	6/3	0.175	4/2	0.12
4. Linseed (ICM)	No. of farmers /Area	10/5	0.1125	4/2	0.12	10/5	0.1125	4/2	0.12
5. Mustard (ICM)	No. of farmers /Area	8/4	0.112	4/2	0.06	8/4	0.112	4/2	0.06
6. Til (IPNM)	No. of farmers /Area	8/4	0.144	4/2	0.06	8/4	0.144	4/2	0.06
7. Urd (ICM)	No. of farmers /Area	15/7.5	0.263	4/2	0.12	15/7.5	0.263	4/2	0.12
8. Sorghum (ICM)	No. of farmers /Area	4/2	0.144	-	-	4/2	0.144	-	-
9. Arhar (ICM)	No. of farmers /Area	10/5	0.15	6/3	0.18	10/5	0.15	6/3	0.18
10. Wheat	**No. of farmers /Area**	8/4	0.23	4/2	0.12	8/4	0.23	4/2	0.12
B- Production of seeds									
1. Lentil	No. of farmers /Area	8/4	0.24	-	-	8/4	0.24	8/4	0.24
2. Chickpea	No. of farmers /Area	10/5	0.286	5/2.5	0.15	10/5	0.286	5/2.5	0.15
3. Field Pea	No. of farmers /Area	4/2	0.16	4/2	0.12	4/2	0.16	4/2	0.12
4. Linseed	No. of farmers /Area	8/4	0.15	-	-	8/4	0.15	-	-
5. Mustard	No. of farmers /Area	10/5	0.181	-	-	10/5	0.181	4/2	0.12

6. Wheat	No. of farmers /Area	16/8	0.20	6/3	0.17	16/8	0.20	6/3	0.18
7. Til	No. of farmers /Area	8/4	0.02	6/3	0.10	8/4	0.02	6/3	0.10
8. Urd	No. of farmers /Area	4/2	0.124	2/1	0.06	4/2	0.124	2/1	0.06
Agroforestry:-									
A. Scattered Plantation									
Species…..									
1- Aonla	No. of Plants	100	0.060	200	0.120	100	0.060	200	0.120
2- Ber	No. of Plants	400	0.200	200	0.100	400	0.200	200	0.100
3- Bael	No. of Plants	150	0.090	200	0.120	150	0.090	200	0.120
4 - Citrus spp.	No. of Plants	200	0.100	100	0.050	200	0.100	100	0.050
5. Guava	No. of Plants	200	0.12	100	0.060	200	0.12	100	0.060
B. Agri-Horticultural System									
Species									
1- Aonla	Area in ha	2.0	0.25	1.0	0.125	2.0	0.25	1.0	0.125
2- Ber	Area in ha	2.0	0.23	1.0	0.115	2.0	0.23	1.0	0.115
5. Guava	Area in ha	1.0	0.29	1.0	0.290	1.0	0.29	1.0	0.290
C Block Plantation/ Orchard									
Species…..									
1- Guava (Spacing 8 X 6 M)	Area in ha	2.50	0.312	1.00	0.125	2.50	0.312	1.00	0.125
2- Ber (Sapcing 8 X 5 M)	Area in ha	3.50	0.435	1.00	0.125	3.50	0.435	1.00	0.125

3- Aonla (Spacing 8 X 8 M)	Area in ha	2.50	0.232	1.00	0.125	2.50	0.232	1.00	0.125
D. Afforestation on Private Land									
Species									
1- Teak (Sapcing 4 X 2.5 M)	ha.	1.00	0.115	1.00	0.115	1.00	0.115	1.00	0.115
2- Shisham (Sapcing 8 X 6 M)	ha.	1.00	0.125	1.00	0.125	1.00	0.125	1.00	0.125
3. Bael (8 X 8 M)	ha	1.00	0.080	1.00	0.080	1.00	0.080	1.00	0.080
4. Jamun (Scattered plantation)	No	100	0.060	100	0.060	100	0.060	100	0.060
5. Phalsa (On Bund)	Running Meter	400	0.160	400	0.160	400	0.160	400	0.160
Live Stock Management									
A. Rearing of Milch cattle-									
1- Cow (Castration) @ Rs 30/ animal	No. of Animals / Farmers	600/150	0.18	600/150	0.17	600/150	0.18	600/150	0.17
2- Buffalloes-(Heifer/Buffallo Calf Murrah)	No. of Animals/ Farmers	1/1	0.12	-	-	1/1	0.12	1/1	0.11
3- Goatry-	No. of animals / Farmers	384/35	0.02	384/35	0.02	384/35	0.02	384/35	0.02
4- Broiler-	No. of Units / Farmers	2/2	0.12	2/2	0.12	2/2	0.12	2/2	0.12
5- Layers-	No. of Units / Farmers	2/2	0.12	2/2	0.12	2/2	0.12	2/2	0.12
6- Piggeries-	No. of Units / Farmers	0	0.00	0	0.00	0	0.00	0	0.00
7- Fisheries -	No. of Units / Farmers	0	0.00	0	0.00	0	0.00	0	0.00
8- Dairy –(Animal Camp)	No. of animals / Farmers	1500/350	0.385	500/150	0.125	3000/700	0.685	500/150	0.125
9- Green Fodder	ha/farmer	4/8	0.12	4/8	0.120	4/8	0.12	4/8	0.120
B. Veterinary Services/									
1- Vaccination/Medication	No. of Animals	890	0.04	500	0.040	890	0.04	500	0.040
2- Infertility Management	No. of Animals	890	0.04	500	0.040	890	0.04	500	0.040

3- Others	No. of Animals								
C. Livestock Improvement Measures									
1- Artificial Insemination	No. of Animals	356	0.18	356	0.18	356	0.18	356	0.18
2- Natural Service.	He Buffalo	1	0.22	-	-	1	0.24	-	-
Total for Ag. Production System			**7.82**		**4.46**		**8.10**		**3.98**

Particular of Measures/Activities		Unit	Mamna		Puraini		Kathari		Bilgaon		Total	
		No/ Volume	Qanty.	Cost	Qanty.	Cost	Qanty.	Cost	Qnty	Cost	Qnty	Cost
I	**Soil &Water Conservation Measures**											
A- Moisture Conservation Measures												
1. Field Bund		-	-	-	-	-	-	-	-	-		
2. Contour Bund (with Sodding)		cum	18241	7.68	18074	8.11	-	-	11337	4.77	**200160**	**85.12**
3. Peripheral Bund (with Sodding)		cum	-	-	-	-	25569	12.64	21616	10.69	**292281**	**144.59**
4. Marginal Bund (with Sodding)		cum	39305	19.44	17415	8.61	25557	12.64	21245	10.51	**405711**	**199.39**
5.Submergence Bundhi (with Sodding)		cum	76145	37.66	15475	7.65	21800	10.78	28183	13.94	**433487**	**214.24**
B- Water Resource Development												
1. Tank/Pond		No	-	-	-	-	-	-	-	-	-	-
2- Water Harvesting Bundhi/		cum	7593	3.95	6313	3.28	24500	12.74	15623	8.12	**143616**	**74.72**
3-GP		cum	-	-	-	-			-	-	-	-
4. Field Drainage Structure/Drop Spill Way		No/cum	-	-	-	-	8/ 22042	11.46	10/ 31030	16.14	**187606**	**97.61**
5-ECD		cum	-	-	31834	16.56	3500	1.82	9904	5.15	**139308**	**72.48**
Total			**141286**	**68.74**	**89114**	**44.23**	**8/122970**	**62.11**	**10/138941**	**69.34**	**1802171**	**888.17**
Total for IWMP				**33.87**		**35.08**		**34.41**		**35.62**		**402.53**

Convergence MNREGA			**34.87**		**9.15**		**27.70**		**33.72**		**485.64**
B **Silvi-postoral System**											
A. Trees + Grasses											
1. Sirash - Stylo hamata & Cencrush (1:1)	ha	2	0.40	2	0.40	2	0.40	2	0.40	**24**	**4.80**
2. Subabul - Stylo hamata & Cencrush (1:1)		1	0.21	1	0.21	1	0.21	1	0.21	**12**	**2.52**
B. Grasses species											
1. Hetropogon / Crysopogon (On bund)	ha	10	0.30	10	0.30	10	0.30	10	0.30	**120**	**3.60**
2. Cencrush (On bund)	ha	10	0.30	10	0.30	10	0.30	10	0.30	**120**	**3.60**
3. Dina Nath grass (On bund)	ha	10	0.30	10	0.30	10	0.30	10	0.30	**120**	**3.60**
Total		**33**	**1.510**	**33**	**1.510**	**33**	**1.510**	**33**	**1.510**	**396**	**18.12**
II <u>Livelihood for landless People</u>											
1. Goatary	No SHGs/Member	4/40	0.90	4/40	1.00	4/40	0.89	4/40	1.00	**62/620**	**15.86**
2. Back Yard Poultry	No SHGs/Member	8/80	0.40	8/80	0.50	8/80	0.50	8/80	0.50	**15/150**	**4.10**
3. Poultry (Broiler)	No SHGs/Member	4/40	1.00	4/40	1.00	4/40	1.00	4/40	1.00	**38/380**	**9.50**
4. Black Smithy	No SHGs/Member	1/10	0.23	1/10	0.23	1/10	0.23	1/10	0.23	**12/120**	**3.03**
5. Rope Making (Linseed)	No SHGs/Member	1/10	0.24	1/10	0.24	1/10	0.24	1/10	0.24	**12/120**	**2.88**
6. Tailoring	No SHGs/Member	1/20	0.25	1/20	0.25	1/20	0.25	1/20	0.25	**12/120**	**2.99**
7. Repairing of Diesel Engine / Implements	No SHGs/Member	1/1	0.17	1/1	0.17	1/1	0.17	1/1	0.25	**12/120**	**1.83**
8. Vermi composting	No SHGs/Member	3/30	0.785	3/30	0.785	3/30	0.785	3/30	0.785	**30/300**	**7.165**
9. Fruit Processing	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245	**12/120**	**2.94**
10. Mini Dal Mill	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245	**12/120**	**2.94**
11. Mini flour Mill	No SHGs/Member	1/10	0.235	1/10	0.235	1/10	0.235	1/10	0.235	**12/120**	**2.82**
	No SHGs/Member	1/10	0.245	1/10	0.245	1/10	0.245	1/10	0.245	**12/120**	**2.94**

12. Mini Oil Expeller											
13. Carpentry	No SHGs/Member	2/20	0.495	2/20	0.495	2/20	0.495	2/20	0.495	**24/240**	**5.695**
Total		**29/290**	**5.44**	**29/290**	**5.64**	**29/290**	**5.53**	**29/290**	**5.72**	**265/2650**	**64.69**
III **Agriculture Production System**											
A- Crop Demonstrations- (Crop Wise)											
(1)SMC Area:											
1. Lentil (ICM)	No. of farmers/Area (ha)	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**70/35**	**2.136**
2. Chickpea (ICM)	No. of farmers/Area	3/1.5	0.09	3/1.5	0.09	3/1.5	0.09	3/1.5	0.09	**60/30**	**1.8**
3. Field Pea (ICM)	No. of farmers/Area	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**52/26**	**1.605**
4. Linseed (ICM)	No. of farmers/Area	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**46/23**	**1.4175**
5. Mustard (ICM)	No. of farmers/Area	4/2	0.06	4/2	0.06	4/2	0.06	4/2	0.06	**58/29**	**0.876**
6. Til (IPNM)	No. of farmers/Area	4/2	0.06	4/2	0.06	4/2	0.06	4/2	0.06	**65/33.5**	**0.972**
7. Urd (ICM)	No. of farmers/Area	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**62/31**	**1.869**
8. Sorghum (ICM)	No. of farmers/Area	-	-	-	-	-	-	-	-	**14/7**	**0.432**
9. Arhar (ICM)	No. of farmers/Area	6/3	0.18	6/3	0.18	6/3	0.18	6/3	0.18	**69/34.5**	**2.07**
10. Wheat	**No. of farmers /Area**	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**59/29.5**	**1.77**
B- Production of seeds											**-**
1. Lentil	No. of farmers/Area	8/4	0.24	8/4	0.24	8/4	0.24	8/4	0.24	**88/44**	**2.64**
2. Chickpea	No. of farmers/Area	5/2.5	0.15	5/2.5	0.15	5/2.5	0.15	5/2.5	0.15	**74/37**	**2.208**

3. Field Pea	No. of farmers/Area	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**52/26**	**1.56**
4. Linseed	No. of farmers/Area	-	-	-	-	-	-	10/5	0.31	**24/12**	**0.76**
5. Mustard	No. of farmers/Area	4/2	0.12	4/2	0.12	4/2	0.12	4/2	0.12	**50/25**	**1.503**
6. Wheat	No. of farmers/Area	6/3	0.18	6/3	0.18	6/3	0.18	6/3	0.18	**72/36**	**2.21**
7. Til	No. of farmers/Area	6/3	0.10	6/3	0.10	6/3	0.10	6/3	0.10	**64/32**	**0.96**
8. Urd	No. of farmers/Area	2/1	0.06	2/1	0.06	2/1	0.06	2/1	0.06	**30/15**	**0.912**
Agroforestry:-											**-**
A. Scattered Plantation											**-**
Species…..											**-**
1- Aonla	No. of Plants	200	0.120	200	0.120	200	0.120	200	0.120	**2400**	**1.26**
2- Ber	No. of Plants	200	0.100	200	0.100	200	0.100	200	0.100	**2400**	**1.5**
3- Bael	No. of Plants	200	0.120	200	0.120	200	0.120	200	0.120	**2400**	**1.35**
4- Citrus spp..	No. of Plants	100	0.050	100	0.050	100	0.050	100	0.050	**1200**	**0.75**
5. Guava	No. of Plants	100	0.060	100	0.060	100	0.060	100	0.060	**1200**	**0.9**
B. Agri-Horticultural System											**-**
1- Aonla	Area in ha	1.0	0.125	1.0	0.125	1.0	0.125	1.0	0.125	**12**	**1.875**
2- Ber	Area in ha	1.0	0.115	1.0	0.115	1.0	0.115	1.0	0.115	**12**	**1.725**
5. Guava	Area in ha	1.0	0.290	1.0	0.290	1.0	0.290	1.0	0.290	**12**	**3.48**
C Block Plantation/ Orchard											**-**

Species…..											-
1- Guava (Spacing 8 X 6 M)	Area in ha	1.00	0.125	1.00	0.125	1.00	0.125	1.00	0.125	**12**	**2.061**
2- Ber (Sapcing 8 X 5 M)	Area in ha	1.00	0.125	1.00	0.125	1.00	0.125	1.00	0.125	**12**	**2.43**
3- Aonla (Spacing 8 X 8 M)	Area in ha	1.00	0.125	1.00	0.125	1.00	0.125	1.00	0.125	**12**	**1.821**
D. Afforestation on Private Land											-
Species											-
1- Teak (Sapcing 4 X 2.5 M)	ha.	1.00	0.115	1.00	0.115	1.00	0.115	1.00	0.115	**12**	**1.38**
2- Shisham (Sapcing 8 X 6 M)	ha.	1.00	0.125	1.00	0.125	1.00	0.125	1.00	0.125	**12**	**1.5**
3. Bael (8 X 8 M)	ha	1.00	0.080	1.00	0.080	1.00	0.080	1.00	0.080	**12**	**0.96**
4. Jamun (Scattered plantation)	No	100	0.060	100	0.060	100	0.060	100	0.060	**12**	**0.72**
5. Phalsa (On Bund)	Running Meter	400	0.160	400	0.160	400	0.160	400	0.160	**4800**	**1.92**
<u>Live Stock Management</u>											-
A. Rearing of Milch cattle-											-
1- Cow-	No. of Units / Farmers	600/150	0.17	600/150	0.17	600/150	0.17	600/150	0.17	**7200/1440**	**2.08**
2- Buffalloes-	No. of Units / Farmers	1/1	0.11	1/1	0.11	1/1	0.11	1/1	0.11	**12/12**	**1.14**
3- Goatry-	No. of Units / Farmers	384/35	0.02	384/35	0.02	384/35	0.02	384/35	0.02	**4608/420**	**0.24**
4- Broiler-	No. of Units / Farmers	2/2	0.12	4/4	0.33	2/2	0.12	2/2	0.12	**28/28**	**1.65**
5- Layers-	No. of Units / Farmers	6/6	0.61	6/6	0.61	6/6	0.70	6/6	0.61	**72/72**	**3.49**

6- Piggeries-	No. of Units / Farmers	0	0.00	0	0.00	0	0.00	0	0.00	-	-
7- Fisheries - 8- Dairy -	No. of Units / Farmers No. of Units / Farmers	0 500/150	0.00 0.125	0 500/150	0.00 0.125	0 500/150	0.00 0.125	0 500/150	0.00 0.125	- **6000/900**	- **2.58**
10- Green Fodder	ha/farmer	12/6	0.360	12/6	0.360	12/6	0.360	12/6	0.360	**144/72**	**2.4**
B. Veterinary Services/											-
1- Vaccination/Medication	No. of Animals	500	0.040	500	0.040	500	0.040	500	0.040	**6000**	**0.48**
2- Infertility Management 3- Others	No. of Animals No. of Animals	500 -	0.040 -	500 -	0.040 -	500 -	0.040 -	500 -	0.040 -	**6000**	**0.48** -
C. Livestock Improvement Measures											-
1- Artificial Insemination	No. of Animals	1200	0.36	1200	0.36	1200	0.36	1200	0.36	**14400**	**2.88**
2- Natural Service.	He Buffalo	1	0.24	1	0.24	1	0.24	1	0.24	**12**	**1.9**
Total for Ag. Production System			**6.05**		**6.26**		**6.14**		**6.36**		**71.88**

Design of Drop Structure/Drop Spillway of 3 m crest

HYDROLOGIC DESIGN

Area (ha)	25			
slope	0.015			
K	7.47			
a	0.17			
b	0.75			
n	0.96			

Time of Concentration

		Le.77	Se-0.385	
L (m)	200	**59.12799**		
S	0.015		**5.0373818**	
		hour	Tc + b	(tc+b) power n
Tc	**5.7991**	0.096652	0.8466524	0.852308737

Intensity

		Tr power a	
Tr	15	1.584658	
I		13.88862	

Discharge

		Taken	
c	0.5	Coeff	
I	138.8862	mm/hr	
A	25	ha	
Q	4.82243		Cumec

8

HYDRAULIC DESIGN

Length of crest weir (m)	**3**						
Weir height (m)	h						
Q = 1.71*L*h power (3/2)							
h power 3/2	0.940046						
h	0.95966	**0.95**	h1				
h + free board	1.055626	**1**					
Depth of gulley	2						
Height of water drop (H)	1		Say	**1**			

STABILITY ANALYSIS

Let	**Top width (m)**	t	**0.5**			
	Bottom width (m)	T	**1.1**			
Weight of dam per unit length (kg)		W	1760		W square	**3097600**
Horizontzl water pressure (Kg)		P	500		P square	**250000**
Uplift pressure (kg)		U	(T*w*H)/2	**550**		
Net downwordforce (kg)		Wn	W-U	**1210**	Wn Square	**1464100**
Resultant (kg)		R				**1309.23642**
		H	1			
		Xbar		**0.41875**		
		Z		**0.1614153**		
Point of Resultant (xbar+Z)				**0.5801653**		
		EA		0.68125		
		P*H/3		166.66667		
		W*EA		1199		

					0.1833333
			b/6		3
			b/2		0.55
					0.0301653
	e = x bar+Z-b/2		e (OF)		3
	fmax = Wn/b(1+6*e/b)		fmax		1280.9917
A Safety against sliding					
		(mu*W)/P			1.21
B Safety against overturning		(W*EA)/(P*H/3)			2.1049983
C Safety against Tension		e<b/6 or b/6-e should be +ive			0.153168
D Safety against Crushing	Permiss comp Stress kg/sqm			say	10000
	PCS-fmax should be +ive				8719.0083
Depth of Foundation					
	Normal scour depth, dn		0.473[Q/f]power1/3		
	Q (cumec)	4.822438388			
	Q (Cusec)	170.1720454			
	f is silt factor, take=		2		
	[q/f]		85.0860227		
	[q/f] power1/3		4.398312416		
	dn (ft)		2.080401773		
	dn (m)		0.634268833		
	Maximum scour depth, dm		1.5*dn	**0.95140325**	
Technical Specification					
	Foundation depth, D		1.33 dm	**1.265366322**	**1.25**
Minimum length of headwall extension (m)		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=			0.333333	**0.30**

	h/3				3	
	F (m)	0.7				
	E (m)	3.6	or	1.05	say	**3.50**

Length of Basin Lb

Lb (m)= F(2.28*h/F+0.52)	2.644	say	**2.60**

Height of the sidewall at end sill is taken to be minimum 1.5h1,but more than H/2

	J (m)	1.5h1	1.425	more than H/2	0.5	**1.40**

Height of the sidewall at the weir end

Equal to gully depth		2			**2.00**
	M (m)	2(F+1.33h-J)		1.26	**1.70**
	K (m)	Lb+.1-M		1.44	**1.50**

Length of Wing wall (WL)

WL = 2.25h	2.25	**2.25**

Depth of Toe Wall

h1+0.1	1.05	**1.10**

WORK ABSTRACT

Sl. No.	Item	Specification (m)			Quantity (cum)			
		Length	Breadth	Depth				
1	**Clearing of site (Removal of trees, shrubs and bushes)**	10.00	10.00					
2	**Earth work**							
	a) in hard soil Headwall Foundation	3.00	1.90	1.00	5.70	Effective depth will be 0.75 m		
	b) in hard soil RHS of Headwall extension	3.50	1.90	2.00	13.30	Effective depth will be 0.75 m		
	c) in hard soil LHS of Headwall extension	3.50	1.90	2.00	13.30	Effective depth will be 0.75 m		
	d) in hard soil cutoff wall	10.00	1.20	0.50	6.00			
	e)in hard soil side wall on both side	6.40	1.60	3.00	30.72	Effective depth will be 0.8 m		
	f) in hard soil Toe wall	3.00	1.40	1.20	5.04	Effective depth will be 1.10 m		
	g) in hard soil Wing wall on both side	4.50	1.40	3.00	18.90	Effective depth will be 0.8 m		

	h) Apron	2.60	3.00	0.40	3.12			
				Total	**96.08**			
3	**Cement concrete**							
	Cement Concrete (1:2:4)							
	a) cutoff wall	10.00	0.50	0.50	2.50			
	b) Head wall coping	3.00	0.50	0.05	0.08			
	c) Apron	2.60	3.00	0.05	0.39			
	d) Transverse sill coping	3.00	0.50	0.05	0.08			
				Total	**3.04**			
	Cement Concrete (1:4:8)							
	e) Cutoff wall	10.00	0.80	0.15	1.20			
	f) Toe wall	3.00	0.90	0.15	0.41			
	g) Apron	2.60	3.00	0.15	1.17			
	h) Side wall on both side	6.40	1.20	0.15	1.15			
	i) Wing wall on both side	4.50	1.00	0.15	0.68			
	j)Headwall and Headwall Extension	10.00	1.30	0.15	1.95			
				Total	**6.55**			
4	**Requirement of sand to nullify the impact of cracks**							
	a) Below cutoff wall	10.00	0.70	0.10	0.70			
	b)Below Headwall and headwall extension	10.00	0.70	0.10	0.70			
	c) Below side wall on both sides	6.40	1.20	0.10	0.77			
	d) Below wing wall on both side	4.50	1.00	0.10	0.45			
	e) Below apron	2.60	3.00	0.10	0.78			
	f) Below Toe wall	3.00	0.90	0.10	0.27			
				Total	**3.67**			
5	**Stone Masonary in CM 1:4**							
	a) Headwall and Headwall Extension on both side-Foundation	10.00	1.10	0.75	8.25			
	b) Headwall+ Headwall Extension on both side above gully bed-super structure	10.00	0.80	1.00	8.00	Width=(0.5+1.1)/2= 0.8 m		

	c) Headwall Extension on both the side above crest	7.00	0.50	1.00	3.50			
	d) Foundation for side wall on both side	6.40	1.00	0.80	5.12			
	e) Side wall on both side - super structure (K Part)-I	3.00	0.80	1.40	3.36			
	f) Side wall on both side-above part-I mentioned in (e): (K Part)-II	3.00	0.60	0.60	1.08			
	g) Side wall on both side-Super structure (M Part)-I	3.40	0.80	1.40	3.81			
	h) Side wall on both side above Part-I mentioned in (i): (M Part)-II	3.40	0.60	0.30	0.61	Avg. ht. of triangle portion=		0.30
	i) Foundation for wing wall on both side	4.50	0.80	0.80	2.88			
	j) Wing wall on both side-Super structure- Part- I	4.50	0.70	0.60	1.89			
	k) Wing wall on both side-Above Part-I mentioned in (l): Part -II	4.50	0.60	0.40	1.08	Avg. ht. of triangle portion=		0.40
	l) Toe wall: Part I	3.00	0.70	0.70	1.47			
	m) Toe wall: Part II	3.00	0.60	0.40	0.72			
	n) Transverse Sill	3.00	0.60	0.30	0.54			
	o) Apron	2.60	3.00	0.40	3.12			
				Total	**45.43**			
6	**M S Bar (10 mm, q)**				**2.00**			
7	**Providing rough stone pitching in u/s (both side)**	34.00	2.00	0.25	**17.00**			
8	**Cement pointing to stone masonary in CM 1:3 (sqm)**							
	a) Headwall both side	6.00		1.00	6.00			
	b) Side wall both side (RHS and LHS)-Part I	6.40		1.40	8.96			
	c) Side wall both side (RHS and LHS)-Part II	3.00		0.60	1.80			
	d) Side wall both side (RHS and LHS)-Part-III	3.40		0.30	1.02	Avg. ht. of triangle		0.30

						portion=		
	e) Wing wall both side-Part I f) Wing wall both side-Part I	4.50 6.00		0.60 0.40	2.70 2.40	Avg. ht. of triangle portion=		0.40
				Total	**22.88**			
9	**Filling of black clay soil in the up stream (free from any kind of gravel)**				**3.00**	trolly		

MATERIAL ABSTRACT								
		Required Quantiy						
		Quantiy, cum	Cement, bags	Sand, cum	Conc ,cum	Khanda (cum)	Boulder (cum)	MS Bar (q)
1	Cement Concrete mix for cut-off wall (1:2:4): 12 mm conc.	3.04	19.46	1.37	2.74			
2	Cement Concrete mix for cut-off wall (1:4:8); 20 mm conc.	6.55	22.28	3.08	6.16			
3	Stone Maspnary in CM 1:4	45.43	113.58	15.45		45.43		
4	MS Bar for reinforcing							1.50
5	Boulder for pitching	17.00					17.00	
6	Cement pointing to stone masonary in CM 1:3 (sqm)	22.88	1.42	0.14				
7	Black clay soil (gravel free)	3.00						
8	Requirement of sand to nullify the impact of cracks in black soil			3.67				
	Total		**156.73**	**23.71**	**8.89**	**45.43**	**17.00**	**1.50**

COST ABSTRACT

	Sl. No.	Item	Quantity	Unit	Rate (Rs./Unit)	Amount (Rs.)
A	1	Cement	157	Bag	250.00	39181.59
	2	Sand	23.71	m^3	950.00	22520.49
	3	Concrete-12 mm	2.74	m^3	1500.00	4104.00
	4	Concrete-20 mm	6.16	m^3	1250.00	7698.60
	5	Khanda	45	m^3	1350.00	61330.50
	6	M S Bar (10 mm Saria)	2.00	q	4800.00	9600.00
	7	Boulder	17.00	m^3	900.00	15300.00
	8	Filling of black clay soil in the up stream (free from any kind of gravel)	3.00		1800.00	5400.00
					Total	**165135.18**
B	9	Water supply through tanker @ 3 % of material cost				4954.06
C	9	Labour Charges @ 25%				41283.80
					Total (A+B+C)	**211373.04**
	10	Misc. @ 3%				6341.19
					G. Total	**217714.23**
		Say Rs. 218000/- (Rs. Two lakh eighteen thousand only)				

Note: The cost of materials is inclusive of all taxes and transportation to site. It may vary with respect to place and time

4M. Crest

HYDROLOGIC DESIGN

Area (ha)	40				
slope	0.008				
K	7.47				
a	0.17				
b	0.75				
n	0.96				
Time of Concentration					
		Le.77	Se-0.385		
L (m)	500	**119.7311**			
S	0.008		**6.4166796**		
		hour	Tc + b		(tc+b) power n
Tc	**14.958**	0.249306	0.9993056		0.999333
Intensity					
		Tr power a			
Tr	15	1.584658			
I		11.84529			
Discharge					
			Taken		
	c	0.5	Coeff		
	I	118.4529	mm/hr		
	A	40	ha		
	Q	6.580717			Cumec

HYDRAULIC DESIGN

Length of crest weir (m)	**4**			
Weir height (m)	h			
Q = 1.71*L*h power (3/2)				
h power 3/2	0.962093			
h	0.974591	**0.95**		h1
h + free board	1.072051	**1**		

Depth of gulley	2					
Height of water drop (H)	1	Say	**1**			
STABILITY ANALYSIS						
Let	**Top width (m)**	t	**0.5**			
	Bottom width (m)	T	**1.1**			
Weight of dam per unit length (kg)		W	1760		W square	**3097600**
Horizontzl water pressure (Kg)		P	500		P square	**250000**
Uplift pressure (kg)		U	(T*w*H)/2	**550**		
Net downwordforce (kg)		Wn	W-U	**1210**	Wn Square	**1464100**
Resultant (kg)		R				**1309.236419**
		H	1			
		Xbar		**0.41875**		
		Z		**0.16141529**		
Point of Resultant (xbar+Z)				**0.58016529**		
		EA		0.68125		
		P*H/3		166.666667		
		W*EA		1199		
		b/6		0.18333333		
		b/2		0.55		
e = xbar+Z-b/2		e (OF)		0.03016529		
fmax = Wn/b(1+6*e/b)		fmax		1280.99174		
A Safety against sliding						
	(mu*W)/P			1.21		
B Safety against overturning		(W*EA)/(P*H/3)		2.10499827		
C Safety against Tension		e<b/6 or b/6-e should be +ive		0.15316804		
D Safety against Crushing	Permiss comp Stress kg/sqm		say	10000		
	PCS-fmax should be +ive			8719.00826		
Depth of Foundation						
Normal scour depth, dn		0.473[Q/f]power1/3				

Q (cumec)	6.580717				
Q (Cusec)	232.2174				
f is silt factor, take=		2			
[q/f]		116.1087035			
[q/f] power1/3		4.878521896			
dn (ft)		2.307540857			
dn (m)		0.703518554			
Maximum scour depth, dm		1.5*dn	**1.055277831**		
		Technical Specification			
Foundation depth, D		1.33 dm	**1.403519515**		**1.40**
Minimum length of headwall extension (m)		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		0.33333333	**0.30**
F (m)	0.7				
E (m)	3.6	or	1.05	say	**3.50**
Length of Basin Lb					
Lb (m)= F(2.28*h/F+0.52)		2.644		say	**2.60**
Height of the sidewall at end sill is taken to be minimum 1.5h1,but more than H/2					
J (m)	1.5h1	1.425	more than H/2	0.5	**1.40**
Height of the sidewall at the weir end					
Equal to gully depth		2			**2.00**
M (m)		2(F+1.33h-J)		1.26	**1.70**
K (m)	Lb+.1-M			1.44	**1.50**
Length of Wing wall (WL)					
	WL = 2.25h			2.25	**2.25**
Depth of Toe Wall					
h1+0.1				1.05	**1.10**

WORK ABSTRACT

Sl. No.	Item	Specification (m)			Quantity (cum)			
		Length	Breadth	Depth				
1	**Clearing of site (Removal of trees, shrubs and bushes)**	10.00	10.00					
2	**Earth work**							
	a) in hard soil Headwall Foundation	4.00	1.90	1.00	7.60	Effective depth will be 0.70 m		
	b) in hard soil RHS of Headwall extension	3.50	1.90	2.00	13.30	Effective depth will be 0.75 m		
	c) in hard soil LHS of Headwall extension	3.50	1.90	2.00	13.30	Effective depth will be 0.75 m		
	d) in hard soil cutoff wall	11.00	1.20	0.75	9.90			
	e)in hard soil side wall on both side	6.40	1.60	3.00	30.72	Effective depth will be 1 m		
	f) in hard soil Toe wall	4.00	1.40	1.20	6.72	Effective depth will be 1.10 m		
	g) in hard soil Wing wall on both side	4.50	1.40	3.00	18.90	Effective depth will be 1 m		
	h) Apron	2.60	4.00	0.40	4.16			
				Total	**104.60**			
3	**Cement concrete**							
	Cement Concrete (1:2:4) a) cutoff wall	11.00	0.50	0.70	3.85			
	b) Head wall coping	4.00	0.50	0.05	0.10			
	c) Apron	2.60	4.00	0.05	0.52			
	d) Transverse sill coping	4.00	0.50	0.05	0.10			
				Total	**4.57**			
	Cement Concrete (1:4:8)							
	e) Cutoff wall	11.00	0.70	0.15	1.16			
	f) Toe wall	4.00	0.90	0.15	0.54			
	g) Apron	2.60	4.00	0.15	1.56			
	h) Side wall on both side	6.40	1.20	0.15	1.15			
	i) Wing wall on both side	4.50	1.00	0.15	0.68			

	j)Headwall and Headwall Extension	10.00	1.30	0.15	1.95			
				Total	**7.03**			
4	**Requirement of sand to nullify the impact of cracks**							
	a) Below cutoff wall	11.00	0.70	0.10	0.77			
	b) Below Headwall and headwall extension	11.00	0.70	0.10	0.77			
	c) Below side wall on both sides	6.40	1.20	0.10	0.77			
	d) Below wing wall on both side	4.50	1.00	0.10	0.45			
	e) Below apron	2.60	4.00	0.10	1.04			
	f) Below Toe wall	4.00	0.90	0.10	0.36			
				Total	**4.16**			
5	**Stone Masonary in CM 1:4**							
	a) Headwall and Headwall Extension on both side-Foundation	11.00	1.10	0.70	8.47			
	b) Headwall+Headwall Extension on both side above gully bed-super structure	11.00	0.80	1.00	8.80	Width=(0.5+1.1)/2= 0.8 m		
	c) Headwall Extension on both the side above crest	7.00	0.50	1.00	3.50			
	d) Foundation for side wall on both side	6.40	1.00	1.00	6.40			
	e) Side wall on both side-super structure (K Part)-I	3.00	0.80	1.40	3.36			
	f) Side wall on both side-above part-I mentioned in (e): (K Part)-II	3.00	0.60	0.60	1.08			
	g) Side wall on both side-Super structure (M Part)-I	3.40	0.80	1.40	3.81			
	h) Side wall on both side above Part-I mentioned in (i): (M Part)-II	3.40	0.60	0.30	0.61	Avg. ht. of triangle portion=		0.30
	i) Foundation for wing wall on both side	4.50	0.80	1.00	3.60			
	j) Wing wall on both side-Super structure- Part-I	4.50	0.70	0.60	1.89			
	k) Wing wall on both side-Above Part-I mentioned in (l): Part -II	4.50	0.60	0.40	1.08	Avg. ht. of triangle portion=		0.40

	l) Toe wall: Part I m) Toe wall: Part II	4.00 4.00	0.70 0.60	0.70 0.40	1.96 0.96			
	n) Transverse Sill	4.00	0.60	0.30	0.72			
	o) Apron	2.60	4.00	0.40	4.16			
				Total	**50.40**			
6	**M S Bar (10 mm, q)**				**2.00**			
7	**Providing rough stone pitching in u/s (both side)**	34.00	2.00	0.25	**17.00**			
8	**Cement pointing to stone masonary in C M 1:3 (sqm)**							
	a) Headwall both side	8.00		1.00	8.00			
	b) Side wall both side (RHS and LHS)-Part I	6.40		1.40	8.96			
	c) Side wall both side (RHS and LHS)-Part II	3.00		0.60	1.80			
	d) Side wall both side (RHS and LHS)-Part-III e) Wing wall both side-Part I	3.40 4.50		0.30 0.60	1.02 2.70	Avg. ht. of triangle portion=		0.30
	f) Wing wall both side-Part I	6.00		0.40	2.40	Avg. ht. of triangle portion=		0.40
				Total	**24.88**			
9	**Filling of black clay soil in the up stream (free from any kind of gravel)**				**3.00**	trolly		

MATERIAL ABSTRACT

		Required Quantiy						
		Quantiy, cum	Cement, bags	Sand, cum	Conc ,cum	Khanda (cum)	Boulder(cum)	MS Bar (q)
1	Cement Concrete mix for cut-off wall (1:2:4): 12 mm conc.	4.57	29.25	2.06	4.11			
2	Cement Concrete mix for cut-off wall (1:4:8); 20 mm conc.	7.03	23.91	3.31	6.61			
3	Stone Maspnary in	50.40	126.00	17.14		50.40		

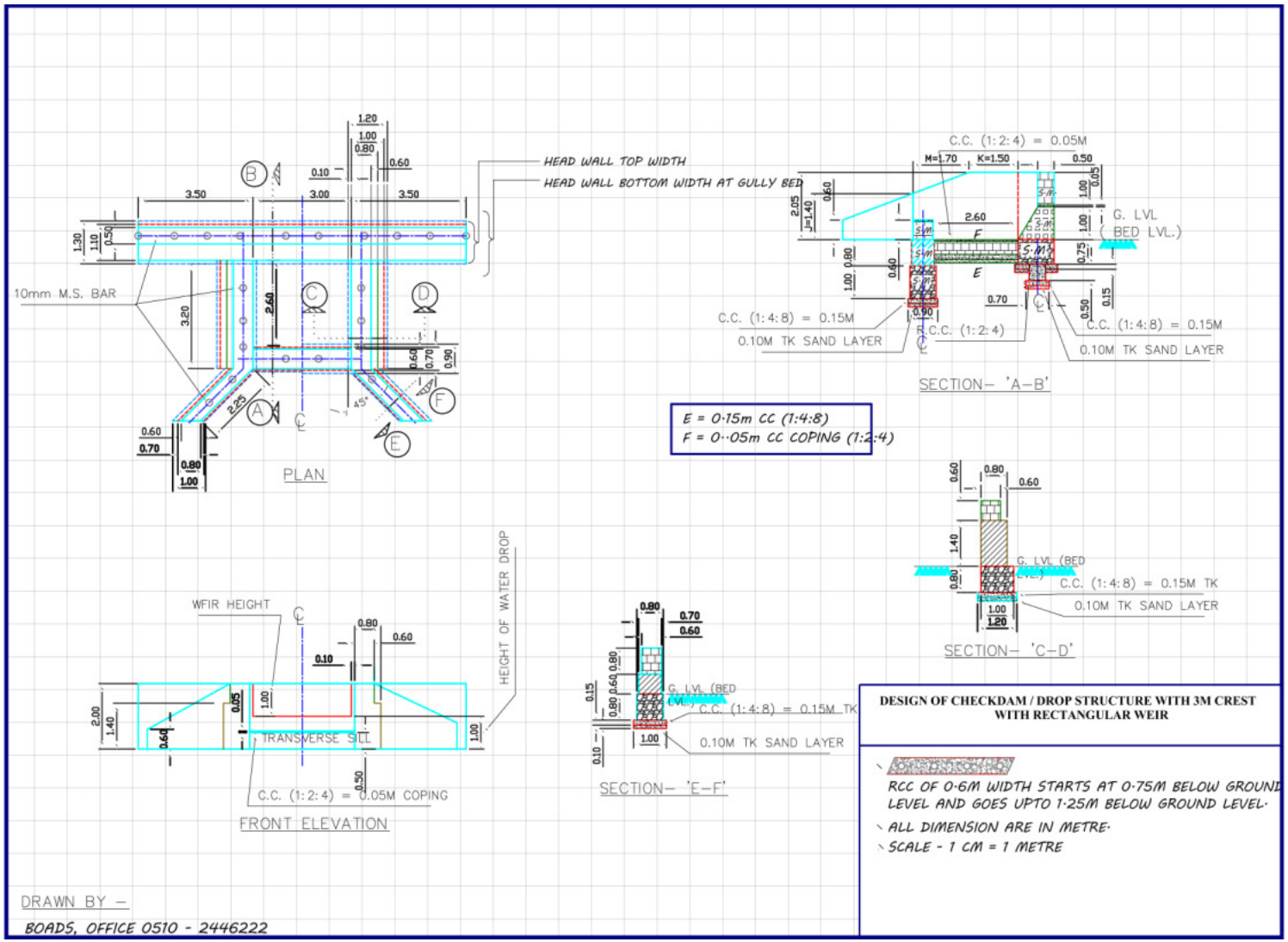
4	CM 1:4 MS Bar for reinforcing						1.50
5	Boulder for pitching	17.00				17.00	
6	Cement pointing to stone masonary in CM 1:3 (sqm)	24.88	1.54	0.16			
7	Black clay soil (gravel free)	3.00					
8	Requirement of sand to nullify the impact of cracks in black soil			4.16			
	Total		**180.70**	**26.81**	**10.72**	**50.40**	**17.00**	**1.50**

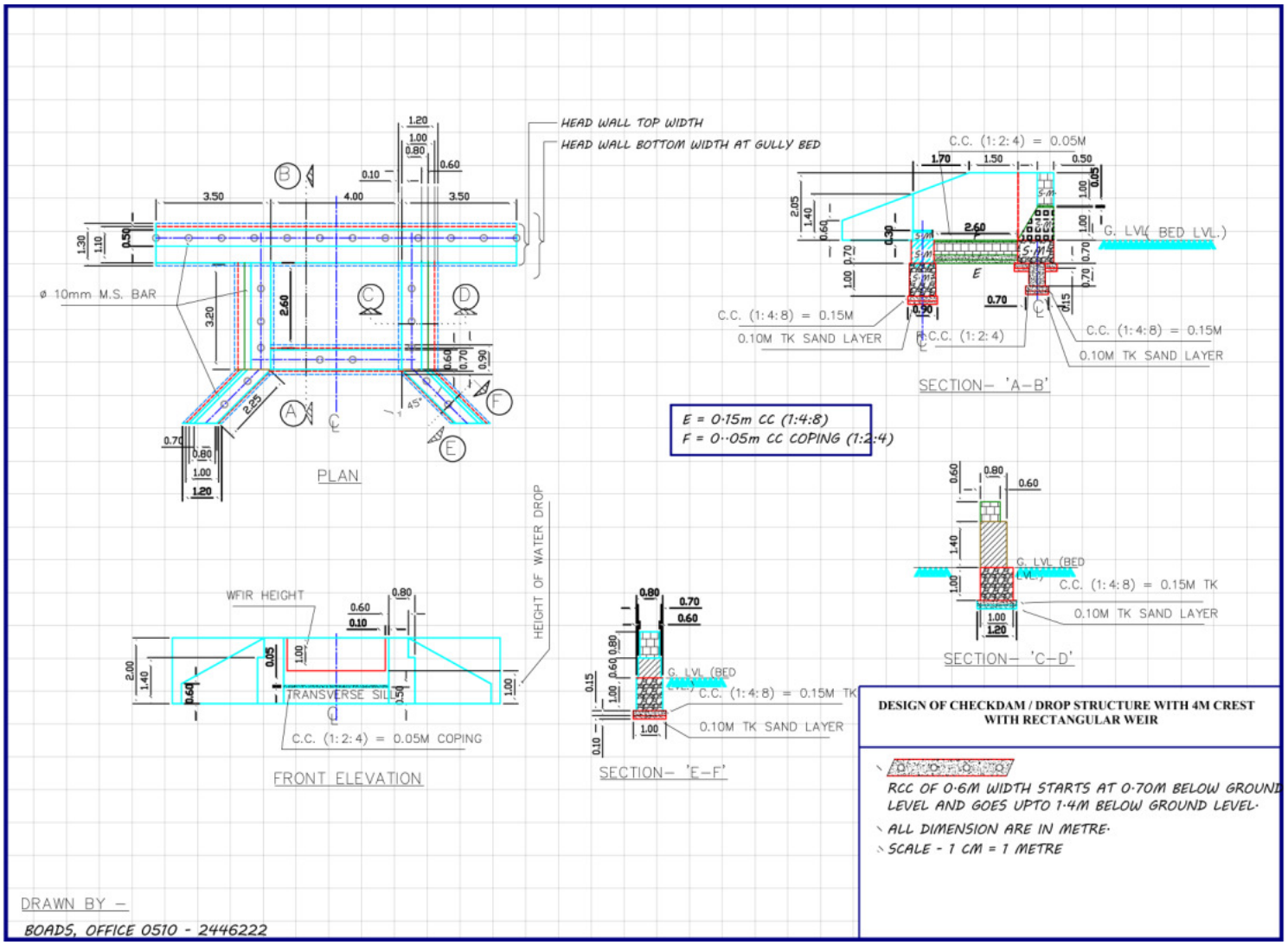
COST ABSTRACT

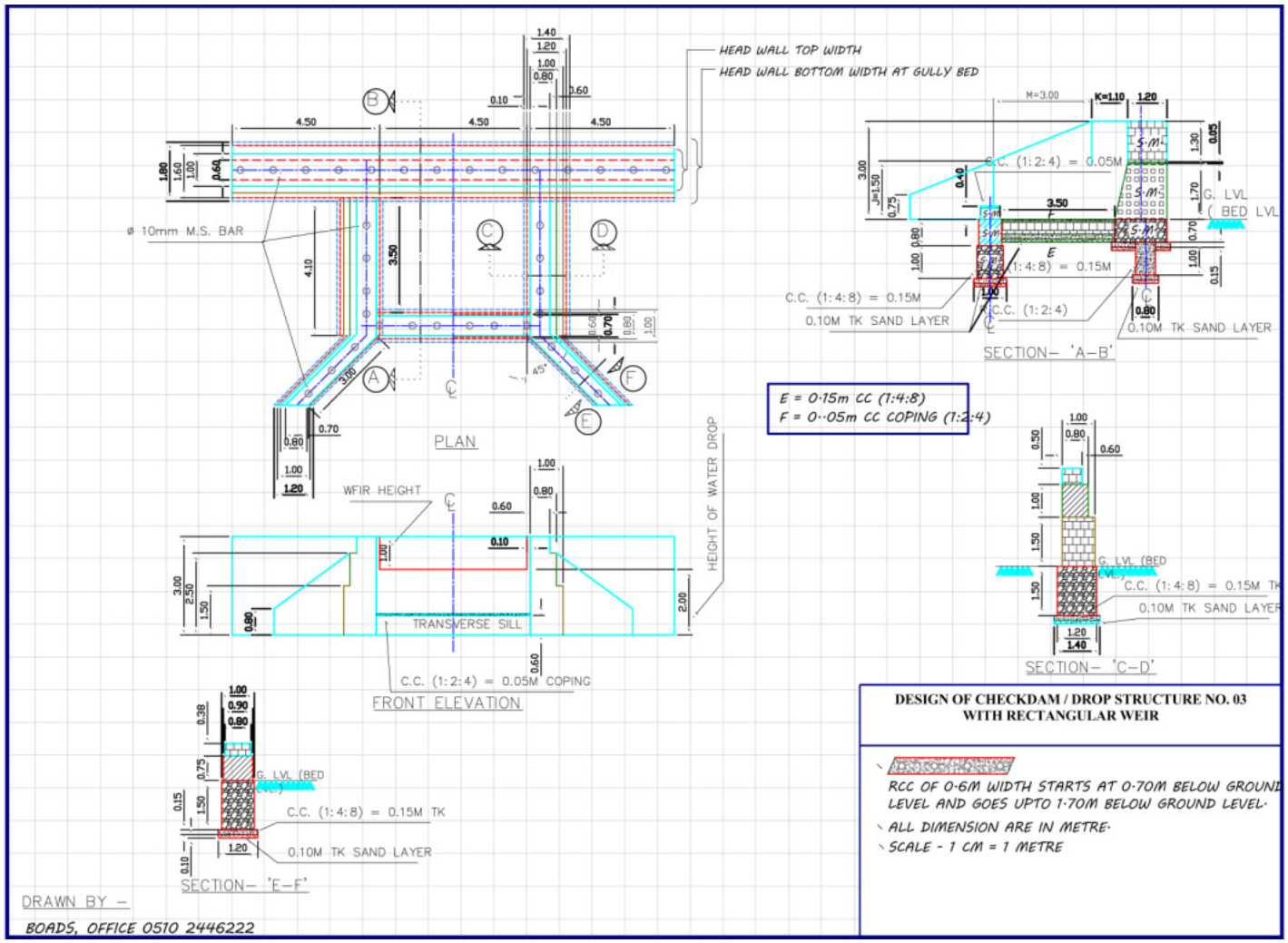
	Sl. No.	Item	Quantity	Unit	Rate (Rs./Unit)	Amount (Rs.)
A	1	Cement	181	Bag	250.00	45174.84
	2	Sand	26.81	m^3	950.00	25471.67
	3	Concrete-12 mm	4.11	m^3	1500.00	6169.50
	4	Concrete-20 mm	6.61	m^3	1250.00	8262.60
	5	Khanda	50	m^3	1350.00	68040.00
	6	M S Bar (10 mm Saria)	2.00	q	4800.00	9600.00
	7	Boulder	17.00	m^3	900.00	15300.00
	8	Filling of black clay soil in the up stream (free from any kind of gravel)	3.00		1800.00	5400.00
					Total	**183418.61**
B	9	Water supply through tanker @ 3 % of material cost				5502.56
C	9	Labour Charges @ 25%				45854.65

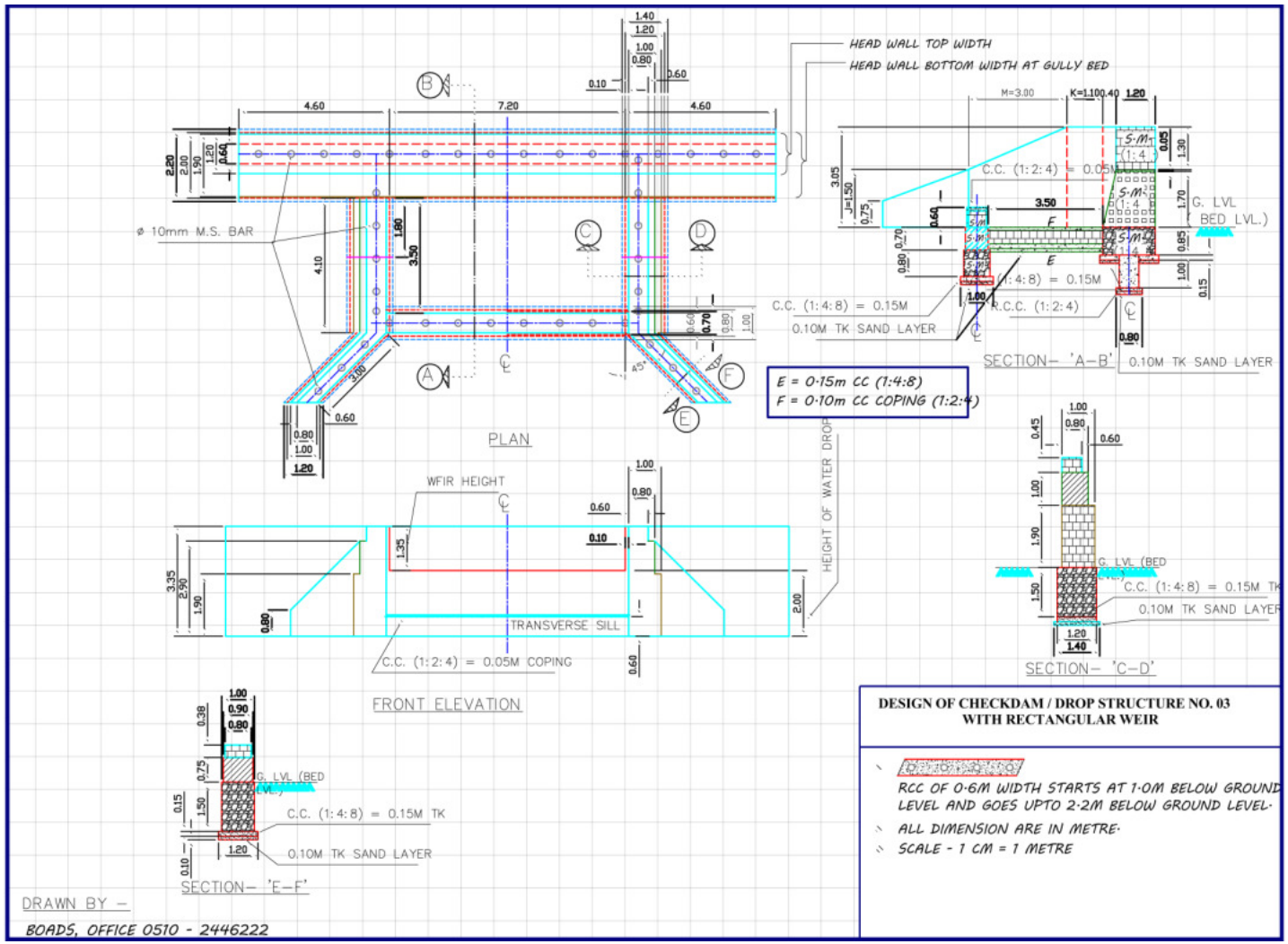
								Total (A+B+C)	**234775.82**
	10	Misc. @ 3%							7043.27
								G. Total	**241819.10**
		Say Rs. 242000/- (Rs. Two lakh rorty two thousand only)							

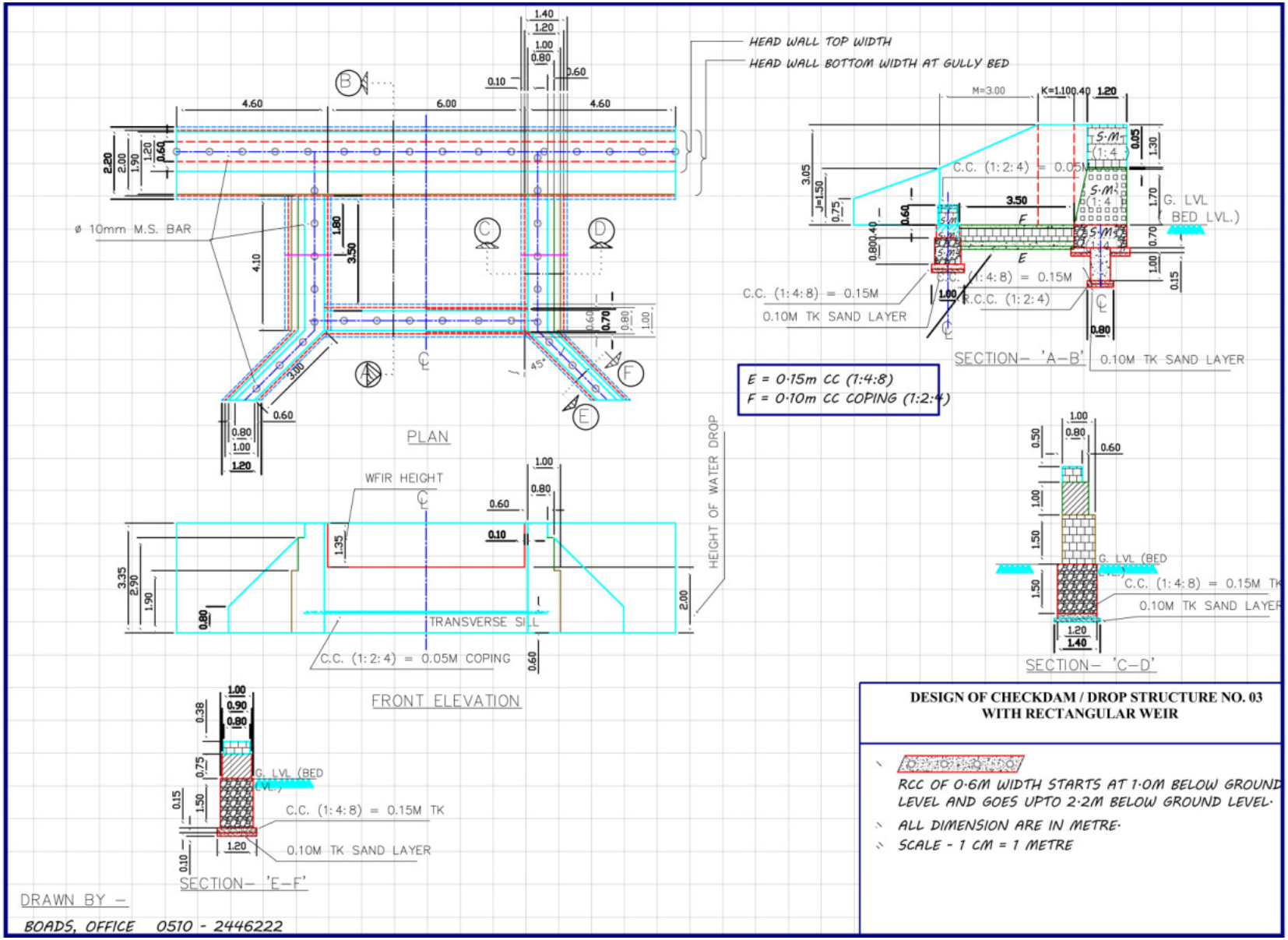
Note: The cost of materials is inclusive of all taxes and transportation to site. It may vary with respect to place and time


HEAD WALL TOP WIDTH
HEAD WALL BOTTOM WIDTH AT GULLY BED
10mm M.S. BAR
PLAN
C.C. (1:2:4) = 0.05M
G. LVL
(BED LVL.)
C.C. (1:4:8) = 0.15M
0.10M TK SAND LAYER
C.C. (1:2:4)
SECTION– 'A–B'
E = 0·15m CC (1:4:8)
F = 0··05m CC COPING (1:2:4)
SECTION– 'C–D'
WFIR HEIGHT
HEIGHT OF WATER DROP
TRANSVERSE SILL
C.C. (1:2:4) = 0.05M COPING
FRONT ELEVATION
SECTION– 'E–F'
DESIGN OF CHECKDAM / DROP STRUCTURE WITH 3M CREST WITH RECTANGULAR WEIR
RCC OF 0·6M WIDTH STARTS AT 0·75M BELOW GROUND LEVEL AND GOES UPTO 1·25M BELOW GROUND LEVEL·
ALL DIMENSION ARE IN METRE·
SCALE - 1 CM = 1 METRE
DRAWN BY –
BOADS, OFFICE 0510 - 2446222


HEAD WALL TOP WIDTH
HEAD WALL BOTTOM WIDTH AT GULLY BED
ø 10mm M.S. BAR
PLAN
C.C. (1:2:4) = 0.05M
G. LVL(BED LVL.)
C.C. (1:4:8) = 0.15M
0.10M TK SAND LAYER
C.C. (1:2:4)
SECTION– 'A–B'
E = 0·15m CC (1:4:8)
F = 0··05m CC COPING (1:2:4)
HEIGHT OF WATER DROP
WEIR HEIGHT
TRANSVERSE SILL
C.C. (1:2:4) = 0.05M COPING
FRONT ELEVATION
G. LVL (BED
C.C. (1:4:8) = 0.15M TK
0.10M TK SAND LAYER
SECTION– 'E–F'
G. LVL (BED LVL.)
C.C. (1:4:8) = 0.15M TK
0.10M TK SAND LAYER
SECTION– 'C–D'
DESIGN OF CHECKDAM / DROP STRUCTURE WITH 4M CREST WITH RECTANGULAR WEIR
RCC OF 0·6M WIDTH STARTS AT 0·70M BELOW GROUND LEVEL AND GOES UPTO 1·4M BELOW GROUND LEVEL·
ALL DIMENSION ARE IN METRE·
SCALE - 1 CM = 1 METRE
DRAWN BY –
BOADS, OFFICE 0510 - 2446222


HEAD WALL TOP WIDTH
HEAD WALL BOTTOM WIDTH AT GULLY BED
ø 10mm M.S. BAR
PLAN
WEIR HEIGHT
HEIGHT OF WATER DROP
TRANSVERSE SILL
C.C. (1:2:4) = 0.05M COPING
FRONT ELEVATION
C.C. (1:2:4) = 0.05M
G. LVL (BED LVL
C.C. (1:4:8) = 0.15M
0.10M TK SAND LAYER
C.C. (1:2:4)
SECTION– 'A–B'
E = 0·15m CC (1:4:8)
F = 0··05m CC COPING (1:2:4)
G. LVL (BED LVL)
C.C. (1:4:8) = 0.15M TK
0.10M TK SAND LAYER
SECTION– 'C–D'
G. LVL (BED LVL)
C.C. (1:4:8) = 0.15M TK
0.10M TK SAND LAYER
SECTION– 'E–F'
DESIGN OF CHECKDAM / DROP STRUCTURE NO. 03
WITH RECTANGULAR WEIR
RCC OF 0·6M WIDTH STARTS AT 0·70M BELOW GROUND LEVEL AND GOES UPTO 1·70M BELOW GROUND LEVEL·
ALL DIMENSION ARE IN METRE·
SCALE - 1 CM = 1 METRE
DRAWN BY –
BOADS, OFFICE 0510 2446222


HEAD WALL TOP WIDTH
HEAD WALL BOTTOM WIDTH AT GULLY BED
ø 10mm M.S. BAR
PLAN
E = 0·15m CC (1:4:8)
F = 0·10m CC COPING (1:2:4)
C.C. (1:4:8) = 0.15M
0.10M TK SAND LAYER
R.C.C. (1:2:4)
SECTION– 'A–B'
G. LVL (BED LVL.)
WFIR HEIGHT
HEIGHT OF WATER DROP
TRANSVERSE SILL
C.C. (1:2:4) = 0.05M COPING
FRONT ELEVATION
SECTION– 'C–D'
SECTION– 'E–F'
DESIGN OF CHECKDAM / DROP STRUCTURE NO. 03
WITH RECTANGULAR WEIR
RCC OF 0·6M WIDTH STARTS AT 1·0M BELOW GROUND LEVEL AND GOES UPTO 2·2M BELOW GROUND LEVEL·
ALL DIMENSION ARE IN METRE·
SCALE - 1 CM = 1 METRE
DRAWN BY –
BOADS, OFFICE 0510 - 2446222


HEAD WALL TOP WIDTH
HEAD WALL BOTTOM WIDTH AT GULLY BED
ø 10mm M.S. BAR
PLAN
SECTION– 'A–B'
0.10M TK SAND LAYER
C.C. (1:4:8) = 0.15M
0.10M TK SAND LAYER
C.C. (1:2:4)
G. LVL (BED LVL.)
E = 0·15m CC (1:4:8)
F = 0·10m CC COPING (1:2:4)
WFIR HEIGHT
HEIGHT OF WATER DROP
TRANSVERSE SILL
C.C. (1:2:4) = 0.05M COPING
FRONT ELEVATION
SECTION– 'C–D'
C.C. (1:4:8) = 0.15M TK
0.10M TK SAND LAYER
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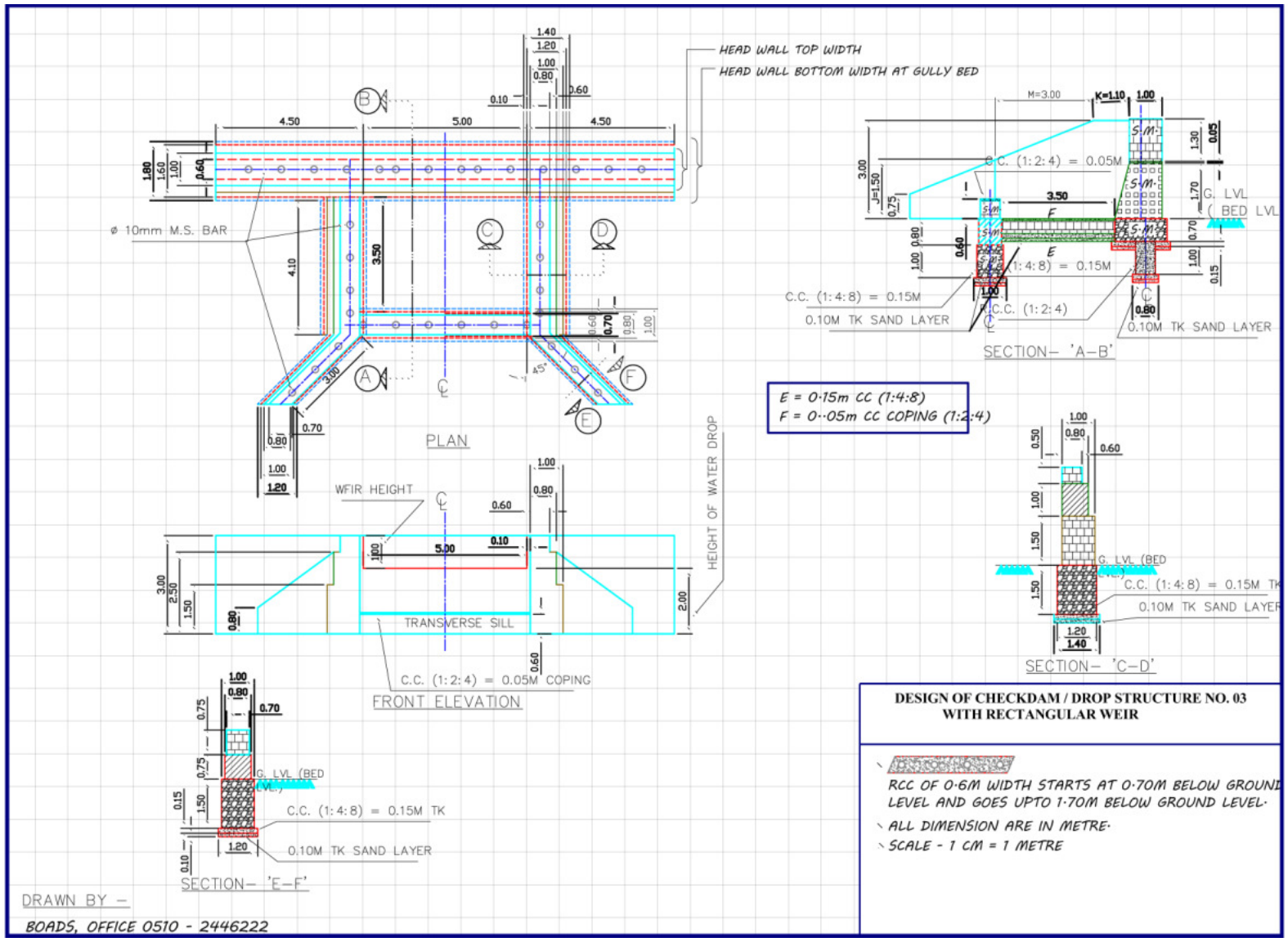
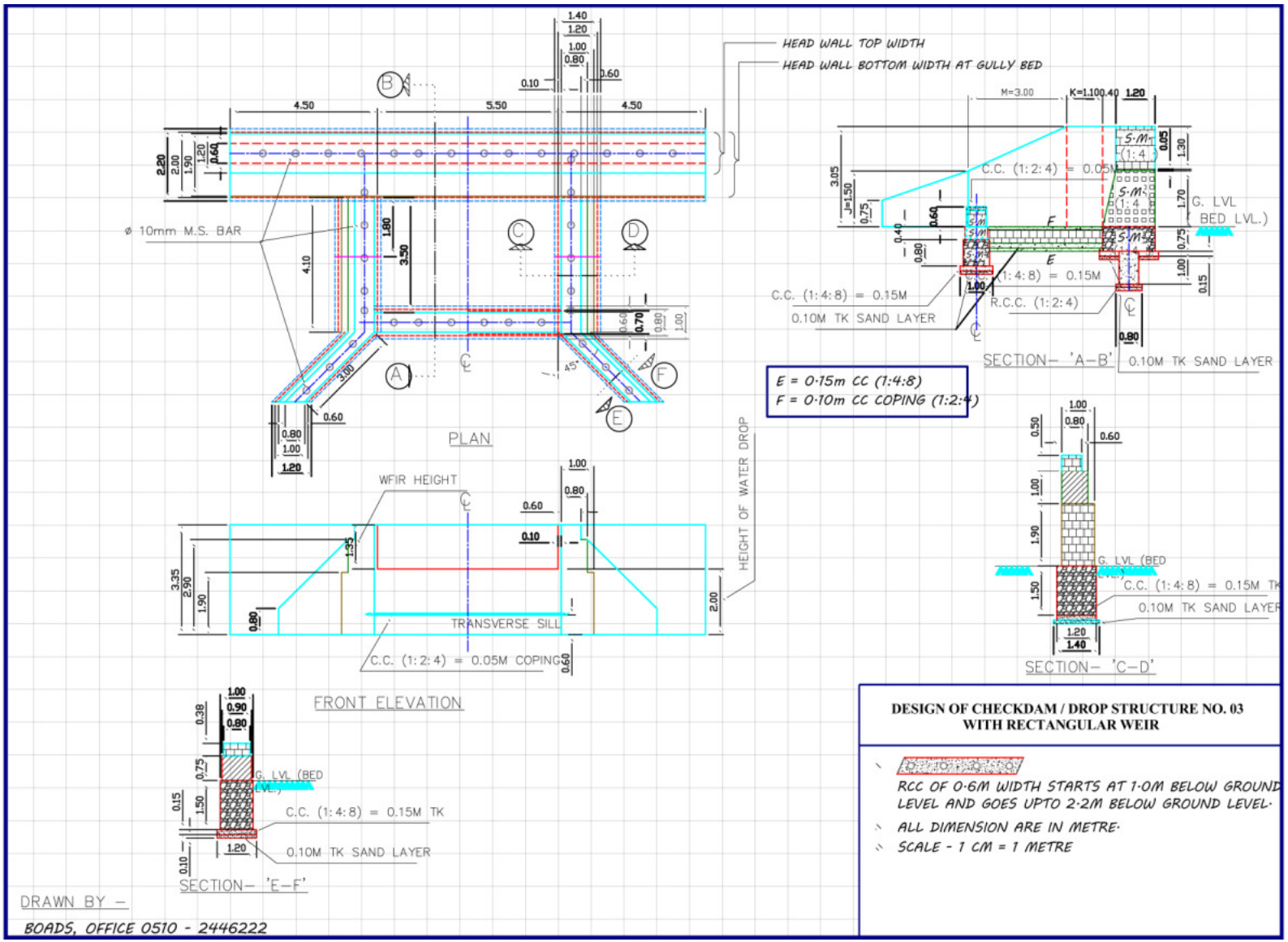
BOADS, OFFICE 0510 - 2446222


HEAD WALL TOP WIDTH
HEAD WALL BOTTOM WIDTH AT GULLY BED
ø 10mm M.S. BAR
PLAN
WEIR HEIGHT
HEIGHT OF WATER DROP
TRANSVERSE SILL
C.C. (1:2:4) = 0.05M COPING
FRONT ELEVATION
G. LVL (BED LVL)
C.C. (1:4:8) = 0.15M TK
0.10M TK SAND LAYER
SECTION– 'E–F'
C.C. (1:2:4) = 0.05M
C.C. (1:4:8) = 0.15M
C.C. (1:2:4)
SECTION– 'A–B'
E = 0·15m CC (1:4:8)
F = 0··05m CC COPING (1:2:4)
SECTION– 'C–D'
DESIGN OF CHECKDAM / DROP STRUCTURE NO. 03
WITH RECTANGULAR WEIR
RCC OF 0·6M WIDTH STARTS AT 0·70M BELOW GROUND LEVEL AND GOES UPTO 1·70M BELOW GROUND LEVEL·
ALL DIMENSION ARE IN METRE·
SCALE - 1 CM = 1 METRE
DRAWN BY –
BOADS, OFFICE 0510 - 2446222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PLAN
WFIR HEIGHT
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C.C. (1:2:4) = 0.05M COPING
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ALL DIMENSION ARE IN METRE·
SCALE - 1 CM = 1 METRE
DRAWN BY –
BOADS, OFFICE 0510 - 2446222

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	Ganiva, Hamirpur	Programme Coordinator	Deen Dayal shod Sanshthan, Chtrakoot	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	Vikas Bhawan, Hamirpur	Coordinator	State Govt.	Small scale	4	100	-do-
4	Indian Institute of Grass Land	Gwalior Road, Jhansi	Director,	GoI (ICAR)	Grasses and fodder	4	100	-do-

		1st year		2nd year		3rd year		4th year		Total	
	MD	Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial
Capacity Building	3150	583	6.26	1670	12.523	1670	12.5232			4174	31.31
(a) SLNA level	583	117	1.25	233	2.505	233	2.50464			583	6.26
(b) District level	875	175	1.25	350	2.505	350	2.50464			875	6.26
(c) WDT level	292	58	1.25	117	2.505	117	2.50464			292	6.26
(d) WC level	1166	233	2.50	466	0.626	466	0.62616			1166	12.52
(2) No. of total persons trained	7827	1565		3131		3131					
(a) SLNA level	196	39	0.78	39	1.057	39	1.057	-	-	117	2.90
(b) District level	783	16	0.078	235	11.036	235	11.036	-	-	485	22.15
(c) WDT level	196	4	0.027	78	0.282	78	0.282	-	-	160	0.59
(d) WC level	6262	125	0.664	2505	2.505	2505	2.505	-	-	5135	5.67
Total											**31.31**

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,
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,
3	Watershed	Management of natural	Awareness and	NRM, Production system	Lectures, videos and	National Research Center for Agro-

	Committee & WDT members	resources on watershed basis and agroforestry	strengthening of knowledge and skills	and livelihood	visits to successful watershed	forestry, Gwalior Road,
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,
5	PIA/WDT members	Cultivation of fodder in watershed	Awareness and knowledge enhancement	Package of practices of fodder cultivation	Lectures, videos and visits to successful watershed	Indian Grassland and Fodder Research Institute,
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, / CSWCRTI&RS, Datia, MP

CHAPTER - 7

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/DWDU 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/DWDU for monitoring and evaluation. The PIA shall submit quarterly progress reports (countersigned by the Watershed Committee (WC) President) to the DWDU for further submission to the SLNA. Sustainable and unbiased monitoring will be ensured by involving an independent agency. 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

It is presumed that as a consequence of watershed development activities there will be noticeable 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. These indicators can be gauged over bench mark data both at the beginning and at the end of the project within the watershed.

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
- 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.

Sr. No.	Particulars	1st Year	2nd Year	3rd Year	4th Year	Total
1	Administrative Cost-10%	17.97	17.97	17.97	17.97	71.88
2	Monitering-1%	1.80	1.80	1.80	1.80	7.19
3	Evalution-1%	1.80	1.80	1.80	1.80	7.19
4	Entry Point Activity-4%	28.75	-	-	-	28.752
5	Institution & Capacity Building-5%	14.38	14.38	7.19	-	35.94
6	DPR-1%	7.19	-	-	-	7.19
7	Watershed Dev. Work-56%	80.51	120.76	120.76	80.51	402.53
8	Livelihood Activity-9%	51.75	6.47	6.47	-	64.69
9	Production System & Micro enterprises-10%	14.38	43.13	14.38		71.88
10	Consolidation-3%	-	2.16	2.16	17.25	21.56
	Total	**218.52**	**208.45**	**172.51**	**119.32**	**718.80**

CHAPTER - 8

CONSOLIDATION AND WITHDRAWL STRATEGY

8. Consolidation and Withdrawl 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 Withdrawl 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 Withdrawl 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.

CHAPTER - 9

EXPECTED PROJECT OUTCOME

9.1 Employment Generation and Checking Migration

There had been migration from district Hamirpur during drought years; it is as high as 22% against an average migration rate of 7.60%, 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 19 per cent, in turn acreage in agricultural activities will be increased by about 1006 ha. Therefore, an additional employment of about 100600 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 559624 mandays will be created through the soil and water conservation measures and crop/agroforestry interventions.

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 Withdrawl 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 Withdrawl?

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.

Presnet Situation

S.No.	Name of Crop (Season wise)	Area (ha)	Production (quintal)	Productivity q/ha	Cost/ ha	Rate Rs/q	Gross Return Rs	Total Cost Rs	Net Return	Net Return /ha	B:C Ratio
1	Til (Sesamum)	500.00	850.00	1.70	5500	6500	5525000	2750000	2775000	5550	2.0
2	Urd	600.00	2040.00	3.40	7500	4200	8568000	4500000	4068000	6780	1.9
3	Moong	550.00	1705.00	3.10	7750	4600	7843000	4262500	3580500	6510	1.8
4	Arhar	630.00	3969.00	6.30	9580	4350	17265150	6035400	11229750	17825	2.9
5	Jawar	200.00	960.00	4.80	4500	1400	1344000	900000	444000	2220	1.5
	Total	**2480.00**	**9524.00**								
1	Lentil	500.00	2825.00	5.65	8850	3850	10876250	4425000	6451250	12903	2.5
2	Chickpea	940.00	5978.40	6.36	7985	3150	18831960	7505900	11326060	12049	2.5
3	Wheat	1050.00	19687.50	18.75	11250	1275	25101563	11812500	13289063	12656	2.1
4	Barley	365.00	6278.00	17.20	9850	1025	6434950	3595250	2839700	7780	1.8
5	Linseed + Chickpea (Mixed)	250.00	1962.50	7.85	9845	3650	7163125	2461250	4701875	18808	2.9
6	Mustard / Rai	510.00	2295.00	4.50	9586	3650	8376750	4888860	3487890	6839	1.7
	Total	**3615.00**	**39026.40**								
	Single crop Area **Double crop area**	**2395.00** **1850.00**									
	(Cucurbits, Cole crops, Egg Plant, Tomato, Potato etc)	46	3772	82.00	13000	500	1886000	598000	1288000	28000	3.2
							119215748	53734660	65481088		2.22
	Total No. of families	1470	Per family Net Return from Agriculture		44545						
	Total cultivable area in MWS		6149.47		Over All B:C		2.22				
	Cropping Intensity	99.86	%								

Projected Situation

S.No.	Name of Crop (Season wise)	Area (ha)	Production (quintal)	Productivity q/ha	Cost/ ha	Rate Rs/q	Groos Return Rs	Total Cost Rs	Net Return	Net Return /ha	B:C Ratio
1	Til (Sesamum)	625.00	1218.75	1.95	5800	6500	7921875	3625000	4296875	6875	2.2
2	Urd	750.00	2737.50	3.65	7600	4500	12318750	5700000	6618750	8825	2.2
3	Moong	687.50	2488.75	3.62	7800	4950	12319313	5362500	6956813	10119	2.3
4	Arhar	787.50	5118.75	6.50	10350	4450	22778438	8150625	14627813	18575	2.8
5	Jawar	250.00	1300.00	5.20	6500	1650	2145000	1625000	520000	2080	1.3
	Total	**3100.00**	12863.75								
1	Lentil	575.00	3323.50	5.78	9105	4560	15155160	5235375	9919785	17252	2.9
3	Chickpea	1081.00	7675.10	7.10	8023	3275	25135953	8672863	16463090	15230	2.9
4	Wheat	1207.50	24343.20	20.16	12620	1450	35297640	15238650	20058990	16612	2.3
5	Barley	419.75	8520.93	20.30	10236	1250	10651156	4296561	6354595	15139	2.5
6	Linseed + Chickpea (Mixed)	287.50	2366.13	8.23	10236	3750	8872969	2942850	5930119	20627	3.0
8	Mustard / Rai	586.50	3196.43	5.45	9541	3785	12098469	5595538	6502930	11088	2.2
	Total	**4157.25**	**49425.28**								
	Single crop Area	**3836.97**									
	Double crop area	**2312.50**									
	(Cucurbits, Cole crops, Egg Plant, Tomato, Potato etc)	69	7603.8	110.20	15260	650	4942470	1052940	3889530	56370	4.7
							169637191	67497902	102139289		2.51
	Total No. of families	1470	Per family Net Return from Agriculture		69483						
	Total cultivable area in MWS		6149.47		Over All B:C		2.51				
	Cropping Intensity	119.14	%								

Present situation

Particulars	Cows	Buffaloes	Goat	Bullocks
Total Animals in Micro watershed Area	3480	4633	6020	520
Milking Animals	2120	2840	4500	
Average Milk Production Lit. / day	2756	520.8	140	
Average Milk Production /Animal/ day	1.3	3.5	0.4	
Sale of Milk per day (Rs) @ Rs 15/Lit	41340	7812	2100	
Average 150 day milking days & Goat 90 days in a year (Total Rs)	**6201000**	**78120**	**12600**	
Meat Animals			2100	
Average rate of one kids Rs			2500	
Total Sale in a year Rs			**5250000**	
Working Animals (Bullocks)				520
One year work one agriculture fields 180 days @ 200/ day (One pair)				36000
Total Work value of all working animals				**9360000**
Total value earned by animals in a year				**20901720**
Total INCOME/FAMILY	1470			14218.86
Total Expenditure / family				6000
B:C Ratio				2.37

Projected Situation

Particulars	Cows	Buffaloes	Goat	Bullocks
Total Animals in Micro watershed Area	5046	6525	8729	754
Milking Animals	2650	3550	5625	
Average Milk Production Lit. / day	4240	12780	2812.5	
Average Milk Production / Animal/ day	1.6	3.6	0.5	
Sale of Milk per day (Rs) @ Rs 15/Lit	63600	191700	42187.5	
Average 150 day milking days & Goat 90 days in a year (Total Rs)	**9540000**	**1917000**	**253125**	
Meat Animals			3045	
Average rate of one kids Rs			2800	
Total Sale in a year Rs			**8526000**	
Working Animals (Bullocks) One year work one agriculture fields 180 days @ 200/ day (One pair)				754 36000

Total Work value of all working animals				**13572000**
Total value earned by animals in a year				**33808125**
Total INCOME/FAMILY	1470			22998.72
Total Expenditure/ family B:C Ratio				7000 3.29

Net Income / Family	**Present**	**Projected**
Agriculure	44545	69483
Animal Husbandry	14219	22999
Total (Ag+AH)	**58764**	**92481**
Over All B:C of MWS Agriculure	**Present** 2.22	**Projected** 2.51
Animal Husbandry	2.37	3.29
Over All B:C MWS	**2.29**	**2.90**

ANNEXURE-I
BENEFICIARIES WISE DETAILS OF DEVELOPMENTAL ACTIVITIES

Name of MWS		Barhaira			Name of Gram Panchayat			Barhaira		Name of Village
	Name of Village	Bhudi		Formula	Cross Section	Earth Work	Rate	Cost of E/W	Mandays	Contribution
1	9	CB-1	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
2	7	CB-5	230	((3.50+0.50)/2)*1	2.00	460.00	42.11	19370.60	161	968.53
3	2	CB-8	210	((3.50+0.55)/2)*1	2.03	425.25	42.11	17907.28	149	895.36
4	4	CB-7	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
	Name of Village	Manakhari								
1	68	CB-6	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
2	69	CB-10	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
3	65	CB-11	160	((3.50+0.55)/2)*1	2.03	324.00	42.11	13643.64	114	682.18
4	59	CB-12	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
5	63	CB-13	220	((2.85+0.45)/2)*0.80	1.32	290.40	42.11	12228.74	102	611.44
6	62	CB-14	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
7	61	CB-15	260	((2.85+0.45)/2)*0.80	1.32	343.20	42.11	14452.15	120	722.61
8	185	CB-16	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
9	57	CB-17	260	((3.50+0.55)/2)*1	2.03	526.50	42.11	22170.92	185	1108.55
10	688	CB-24	260	((3.50+0.45)/2)*0.90	1.78	462.15	42.11	19461.14	162	973.06
11	960	CB-25	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
12	689	CB-27	180	((3.50+0.45)/2)*0.90	1.78	319.95	42.11	13473.09	112	673.65
13	186	CB-28	120	((3.50+0.55)/2)*1	2.03	243.00	42.11	10232.73	85	511.64
14	701	CB-29	150	((2.85+0.45)/2)*0.80	1.32	198.00	42.11	8337.78	69	416.89
15	694	CB-30	160	((3.50+0.45)/2)*0.90	1.78	284.40	42.11	11976.08	100	598.80
16	695	CB-31	180	((2.85+0.45)/2)*0.80	1.32	237.60	42.11	10005.34	83	500.27
						5840.20		245930.82	2049	12296.54
	Name of Village	Manakhari								
1	302	MB-17	400	((4.75+0.80)/2)*1.50	4.16	1665.00	49.47	82367.55	686	4118.38

2	301	MB-18	300	((4.75+0.80)/2)*1.50	4.16	1248.75	49.47	61775.66	515	3088.78
3	300	MB-19	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
4	709	MB-20	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
5	706	MB-21	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
6	705	MB-22	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
7	755	MB-23	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
						7611.83		376556.98	3138	18827.85
	Name of Village	**Manakhari**								
1	70	PB-9	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
	Name of Village	**Manakhari**								
1	93	SB-22	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
2	97	SB-23	700	((4.45+0.6)/2)*1.28	3.23	2262.40	49.47	111920.93	933	11192.09
3	69	SB-29	700	((4.45+0.6)/2)*1.25	3.16	2209.38	49.47	109297.78	911	10929.78
4	58	SB-28	400	((4.45+0.6)/2)*1.25	3.16	1262.50	49.47	62455.88	520	6245.59
						6703.88		331640.70	2764	33164.07
	Name of Village	**Manakhari**								
1	694	WHB-7	80	((12.0+2.00)/2)*2.50	17.50	1400.00	52.03	72842.00	607	3642.10
2	704	WHB-8	90	((12.0+2.00)/2)*2.50	17.50	1575.00	52.03	81947.25	683	4097.36
	Name of Village	**Manakhari**				2975.00		154789.25		
1	**45**	ECD-6	90	((12+02)/2)*2.3	16.100	1449.00	52.03	75391.47	628	
2	**310**	ECD-5	80	((12+02)/2)*2.5	17.500	1400.00	52.03	72842.00	607	
						2849.00		148233.47		
	Name of Village	**Sikhrodha**								
1	**836**	CB-49	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
2	**855**	CB-50	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
3	**850**	CB-48	160	((3.50+0.55)/2)*1	2.03	324.00	42.11	13643.64	114	682.18
4	**658**	CB-43	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
5	**657**	CB-42	240	((2.85+0.45)/2)*0.80	1.32	316.80	42.11	13340.45	111	667.02
6	**663**	CB-41	120	((3.50+0.50)/2)*1	2.00	240.00	42.11	10106.40	84	505.32

7	**665**	CB-38	140	((2.85+0.45)/2)*0.80	1.32	184.80	42.11	7781.93	65	389.10
8	**656**	CB-39	160	((3.50+0.50)/2)*1	2.00	320.00	42.11	13475.20	112	673.76
9	**668**	CB-37	180	((3.50+0.55)/2)*1	2.03	364.50	42.11	15349.10	128	767.45
						2955.10		124439.26	1037	6221.96
	Name of Village	**Sikhrodha**								
1	**409**	MB-28	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
2	**408**	MB-27	180	((4.75+0.80)/2)*1.58	4.38	789.21	49.47	39042.22	325	1952.11
3	**472**	MB-26	160	((4.75+0.80)/2)*1.45	4.02	643.80	49.47	31848.79	265	1592.44
						2293.26		113447.57		
	Name of Village	**Sikhrodha**								
1	**856**	PB-20	400	((4.70+0.50)/2)*1.45	3.77	1508.00	49.47	74600.76	622	3730.04
2	**846**	PB-19	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
						3328.00		164636.16		
	Name of Village	**Sikhrodha**								
1										
2	804	SB-4	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
3	**817**	SB-2	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
4	**819**	SB-1	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
	805	SB-3	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
						1600.00		67376.00	561	6737.60
	Name of Village	**Sikhrodha**								
1	**676**	WHB-9	200	((12.0+1.50)/2)*2.50	16.88	3375.00	52.03	175601.25	1463	8780.06
2	**669**	WHB-10	200	((12.0+2.00)/2)*2.80	19.60	3920.00	52.03	203957.60	1700	10197.88
						7295.00		379558.85		
	Name of Village	**Sikhrodha**								
1	**847**	ECD-13	90	((12+02)/2)*2.5	17.500	1575.00	52.03	81947.25	683	
2	**857**	ECD0-11	80	((12+02)/2)*2.5	17.500	1400.00	52.03	72842.00	607	
3	**659**	ECD-3	100	((12+02)/2)*2.5	17.500	1750.00	52.03	91052.50	759	
4	**791**	ECD-9	80	((12+1.5)/2)*2.5	16.875	1350.00	52.03	70240.50	585	

5	**662**	ECD-13	80	((12+02)/2)*2.5	17.500	1400.00 7475.000	52.03	72842.00 388924.25	607 3241.04	
	Name of Village	**Barhaira**								
1	**362**	CB-1	240	((2.85+0.45)/2)*0.80	1.32	316.80	42.11	13340.45	111	667.02
2	**354**	CB-2	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
3	**54**	CB-18	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
4	**349**	CB-21	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
5	**350**	CB-22	190	((3.50+0.50)/2)*1	2.00	380.00	42.11	16001.80	133	800.09
6	**361**	CB-20	160	((3.50+0.45)/2)*0.90	1.78	284.40	42.11	11976.08	100	598.80
7	**678**	CB-35	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
8	**680**	CB-33	240	((3.50+0.45)/2)*0.90	1.78	426.60 3053.30	42.11	17964.13 128574.46	150 1071	898.21 6428.72
	Name of Village	**Barhaira**								
1	**362**	MB-5	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
2	**363**	MB-4	160	((4.75+0.80)/2)*1.50	4.16	666.00	49.47	32947.02	275	1647.35
3	**364**	MB-3	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
4	**361**	MB-6	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
5	**359**	MB-9	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
6	**373**	MB-25	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
7	**340**	MB-13	260	((4.75+0.80)/2)*1.55	4.30	1118.33	49.47	55323.54	461	2766.18
8	**314**	MB-24	280	((4.75+0.80)/2)*1.50	4.16	1165.50	49.47	57657.29	480	2882.86
9	**328**	MB-16	140	((4.75+0.80)/2)*1.55	4.30	602.18	49.47	29789.60	248	1489.48
						8164.05		403875.55	3366	20193.78
	Name of Village	**Barhaira**								
1	**373**	PB-1	800	((4.70+0.50)/2)*1.32	3.43	2745.60	49.47	135824.83	1132	6791.24
2	**367**	PB-4	900	((4.70+0.50)/2)*1.38	3.59	3229.20	49.47	159748.52	1331	7987.43
3	**370**	PB-5	700	((4.70+0.50)/2)*1.40	3.64	2548.00	49.47	126049.56	1050	6302.48
4	**18**	PB-6	800	((4.70+0.50)/2)*1.40	3.64	2912.00	49.47	144056.64	1200	7202.83
5	**23**	PB-7	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77

6	**28**	PB-8	400	((4.70+0.50)/2)*1.35	3.51	1404.00	49.47	69455.88	579	3472.79
7	**346**	PB-2	500	((4.70+0.50)/2)*1.38	3.59	1794.00	49.47	88749.18	740	4437.46
8	**363**	PB-3	600	((4.70+0.50)/2)*1.42	3.69	2215.20	49.47	109585.94	913	5479.30
9	**365**	PB-12	800	((4.70+0.50)/2)*1.37	3.56	2849.60	49.47	140969.71	1175	7048.49
10	**348**	PB-14	900	((4.70+0.50)/2)*1.40	3.64	3276.00	49.47	162063.72	1351	8103.19
11	**345**	PB-15	400	((4.70+0.50)/2)*1.40	3.64	1456.00	49.47	72028.32	600	3601.42
12	**202**	PB-17	560	((4.70+0.50)/2)*1.32	3.43	1921.92	49.47	95077.38	792	4753.87
						28171.52		1393645.09	11614	69682.25
	Name of Village	**Barhaira**								
1	**270**	SB-20	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
2	**339**	SB-18	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
3	**13**	SB-21	220	((4.45+0.6)/2)*1.25	3.16	694.38	49.47	34350.73	286	3435.07
4	**392**	SB-12	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
5	**400**	SB-10	180	((4.45+0.6)/2)*1.30	3.28	590.85	49.47	29229.35	244	2922.93
6	**409**	SB-9	160	((4.45+0.6)/2)*1.28	3.23	517.12	49.47	25581.93	213	2558.19
7	**402**	SB-11	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
8	**52**	SB-26	240	((4.80+0.6)/2)*1.40	3.78	907.20	49.47	44879.18	374	4487.92
9	**775**	SB-5	260	((4.80+0.6)/2)*1.40	3.78	982.80	49.47	48619.12	405	4861.91
10	**760**	SB-6	240	((4.80+0.6)/2)*1.40	3.78	907.20	49.47	44879.18	374	4487.92
11	**314**	SB-35	260	((4.80+0.6)/2)*1.40	3.78	982.80	49.47	48619.12	405	4861.91
12	**383**	SB-30	240	((4.80+0.6)/2)*1.40	3.78	907.20	49.47	44879.18	374	4487.92
13	**384**	SB-31	220	((4.80+0.6)/2)*1.40	3.78	831.60	49.47	41139.25	343	4113.93
14	**46**	SB-27	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
15	**58**	SB-28	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
	Name of Village	**Barhaira**				11199.55		554041.49	4617	55404.15
1	**441**	WHB-3	80	((12.0+1.50)/2)*2.50	16.88	1350.00	52.03	70240.50	585	3512.03
2	**410**	WHB-4	90	((12.0+2.00)/2)*2.80	19.60	1764.00	52.03	91780.92	765	4589.05
3	**768**	WHB-6	100	((12.0+2.00)/2)*2.60	18.20	1820.00	52.03	94694.60	789	4734.73
4	**355**	WHB-2	80	((12.0+1.50)/2)*2.50	16.88	1350.00	52.03	70240.50	585	3512.03

5	**676**	WHB-9	90	((12.0+1.50)/2)*2.50	16.88	1518.75 7802.75	52.03	79020.56 405977.08	659 3383	3951.03 20298.85
	Name of Village	**Barhaira**								
1	**343**	ECD-8	120	((12+02)/2)*2.5	17.500	2100.00	52.03	109263.00	911	
2	**24**	ECD-7	80	((12+02)/2)*2.3	16.100	1288.00	52.03	67014.64	558	
3	**395**	ECD-4	100	((12+02)/2)*2	14.000	1400.00	52.03	72842.00	607	
4	**40**	ECD-6	80	((12+1.5)/2)*2.5	16.875	1350.00	52.03	70240.50	585	
						6138.00		319360.14	2661	
	Name of Village	**Barhaira**								
1	**340**	CD-1	80	((12.45+1.25)/2)*2.8	19.180	1534.40	52.03	79834.83	665	
2	**344**	CD-2	60	((15.50+1.5)/2)*3.5	29.750	1785.00	52.03	92873.55	774	
3	**367**	CD-3	70	((15.50+1.5)/2)*3.5	29.750	2082.50	52.03	108352.48	903	
4	**349**	CD-4	80	((15.50+1.5)/2)*3	25.500	2040.00	52.03	106141.20	885	
5	**16**	CD-5	60	((15.50+1.5)/2)*3.5	29.750	1785.00	52.03	92873.55	774	
6	**411**	CD-6	90	((15.50+1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	
7	**45**	CD-7	80	((15.50+1.5)/2)*3	25.500	2040.00	52.03	106141.20	885	
87	**23**	CD-8	100	((15.50+1.5)/2)*3.5	29.750	2975.00	52.03	154789.25	1290	
9	**28**	CD-9	80	((15.50+1.5)/2)*3	25.500	2040.00	52.03	106141.20	885	
10	**78**	CD-10	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
						21339.40		1110288.98	9252	

Bhudi	QTY	COST
CB	1690.25	71176.43
	1690.25	71176.43
Manakhari		
	QTY	COST
CB	5840.20	245930.82
MB	7611.83	245930.82
PB	1820.00	900035.40
SB	6703.88	331640.70
WHB	2975.00	154789.25
ECD	2849.00	148233.47
	27799.90	1216560.46
Sikhrodha		
	QTY	COST
CB	2955.10	124439.26
MB	2293.26	113447.57
PB	3328.00	164636.16
SB	1600.00	67376.00
WHB	7295.00	379558.85
ECD	7475.000	388924.25
	24946.36	**1238382.09**
Barhaira		
	QTY	COST
CB	3053.30	128574.46
MB	8164.05	403875.55

PB	28171.52	1393645.09
SB	11199.55	554041.49
WHB	7802.75	405977.08
ECD	6138.00	319360.14
CD	21339.40	1110288.98
	85868.57	4315762.81
GT	**140305.08**	**6841881.79**
MWS		
CB	13538.85	570120.97
MB	18069.14	763253.95
PB	33319.52	1648316.65
SB	19503.42	953058.19
WHB	18072.75	940325.18
ECD	16462.000	856517.860
CD	21339.40	1110288.98
	140305.08	**6841881.79**

	Name of MWS	Manakhari			Name of Gram Panchayat			Manakhari		Name of Village
		Name of Village	Barhara							
1	335	PB-1	700	((4.70+0.50)/2)*1.40	3.64	2548.00	49.47	126049.56	1050	6302.48
2	202	PB-2	800	((4.70+0.50)/2)*1.40	3.64	2912.00	49.47	144056.64	1200	7202.83
				TOTAL		5460.00		270106.20		
		Name of Village	Barhara							
1	148	SB-50	600	((4.45+0.6)/2)*1.28	3.23	1939.20	49.47	95932.22	799	9593.22
		Name of Village	Mamna							
1	82	CB-1	300	((3.50+0.55)/2)*1	2.03	607.50	42.11	25581.83	213	1279.09
2	79	**CB-2**	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
3	77	CB-3	400	((3.50+0.55)/2)*1	2.03	810.00	42.11	34109.10	284	1705.46
4	76	**CB-4**	500	((3.50+0.50)/2)*0.9	1.80	900.00	42.11	37899.00	316	1894.95
				TOTAL		2717.50		114433.93	954	5721.70
		Name of Village	Manakhari							
1	75	**CB-5**	100	((3.50+0.55)/2)*1	2.03	202.50	42.11	8527.28	71	426.36
2	86	**CB-6**	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
3	70	**CB-7**	140	((3.50+0.55)/2)*1	2.03	283.50	42.11	11938.19	99	596.91
4	68	**CB-8**	200	((3.50+0.50)/2)*0.9	1.80	360.00	42.11	15159.60	126	757.98
5	21	**CB-9**	100	((3.50+0.55)/2)*1	2.03	202.50	42.11	8527.28	71	426.36
6	25	**CB-10**	250	((3.50+0.50)/2)*1	2.00	500.00	42.11	21055.00	175	1052.75
7	23	**CB-11**	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
8	20	**CB-12**	250	((3.50+0.50)/2)*0.9	1.80	450.00	42.11	18949.50	158	947.48
9	224	**CB-13**	120	((2.85+0.45)/2)*0.80	1.32	158.40	42.11	6670.22	56	333.51
1	221	**CB-14**	100	((3.50+0.50)/2)*0.90	1.80	180.00	42.11	7579.80	63	378.99

0										
11	211	**CB-15**	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
12	185	**CB-16**	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
13	188	**CB-17**	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
14	57	**CB-18**	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
15	46	**CB-19**	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
16	45	**CB-20**	160	((2.85+0.45)/2)*0.80	1.32	211.20	42.11	8893.63	74	444.68
17	189	**CB-21**	240	((2.85+0.45)/2)*0.80	1.32	316.80	42.11	13340.45	111	667.02
18	57	**CB-22**	240	((3.50+0.50)/2)*0.90	1.80	432.00	42.11	18191.52	152	909.58
19	46	**CB-23**	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
20	45	**CB-24**	170	((3.50+0.55)/2)*1	2.03	344.25	42.11	14496.37	121	724.82
21	189	**CB-25**	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
22	168	**CB-26**	180	((3.50+0.55)/2)*1	2.03	364.50	42.11	15349.10	128	767.45
23	170	**CB-27**	160	((3.50+0.50)/2)*1	2.00	320.00	42.11	13475.20	112	673.76
24	133	**CB-28**	220	((2.85+0.45)/2)*0.80	1.32	290.40	42.11	12228.74	102	611.44
25	131	**CB-29**	200	((2.85+0.45)/2)*0.80	1.32	264.00	42.11	11117.04	93	555.85
26	139	**CB-30**	240	((3.50+0.50)/2)*0.90	1.80	432.00	42.11	18191.52	152	909.58
27	140	**CB-34**	260	((3.50+0.55)/2)*1	2.03	526.50	42.11	22170.92	185	1108.55

28	158	**CB-35**	280	((3.50+0.55)/2)*1	2.03	567.00	42.11	23876.37	199	1193.82
29	149	**CB-36**	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
30	108	**CB-38**	180	((3.50+0.55)/2)*1	2.03	364.50	42.11	15349.10	128	767.45
31	114	**CB-39**	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
32	126	**CB-40**	180	((2.85+0.45)/2)*0.80	1.32	237.60	42.11	10005.34	83	500.27
				TOTAL		11595.65		488292.82	4069	24414.64
		Name of Village								
1	210	**MB-1**	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
2	208	**MB-2**	250	((4.75+0.80)/2)*1.50	4.16	1040.63	49.47	51479.72	429	2573.99
3	204	**MB-3**	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
4	196	**MB-4**	250	((4.75+0.80)/2)*1.55	4.30	1075.31	49.47	53195.71	443	2659.79
5	194	**MB-5**	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
6	193	**MB-6**	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
7	198	**MB-7**	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
8	166	**MB-8**	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
9	160	**MB-9**	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
10	49	**MB-18**	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
11	863	**MB-24**	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
12	868	**MB-25**	260	((4.75+0.80)/2)*1.50	4.16	1082.25	49.47	53538.91	446	2676.95
13	255	**MB-26**	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
14	369	**MB-27**	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
1	269	**MB-28**	210	((4.75+0.80)/2)*1.55	4.30	903.26	49.47	44684.40	372	2234.22

5										
16	272	**MB-29**	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
17	274	**MB-30**	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
18	286	**MB-31**	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
19	287	**MB-32**	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
20	246	**MB-33**	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
21	290	**MB-34**	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
22	299	**MB-35**	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
23	293	**MB-37**	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
24	294	**MB-38**	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
25	296	**MB-39**	250	((4.75+0.80)/2)*1.55	4.30	1075.31	49.47	53195.71	443	2659.79
26	298	**MB-40**	260	((4.75+0.80)/2)*1.55	4.30	1118.33	49.47	55323.54	461	2766.18
				TOTAL		25331.59		1253153.63	10443	62657.68
	Name of Village	Manakhari								
1	299	**PB-3**	250	((4.70+0.50)/2)*1.35	3.51	877.50	49.47	43409.93	362	2170.50
2	381	**PB-4**	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
3	281	**PB-5**	400	((4.70+0.50)/2)*1.30	3.38	1352.00	49.47	66883.44	557	3344.17
4	276	**PB-6**	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
5	237	**PB-7**	700	((4.70+0.50)/2)*1.40	3.64	2548.00	49.47	126049.56	1050	6302.48
6	244	**PB-9**	800	((4.70+0.50)/2)*1.32	3.43	2745.60	49.47	135824.83	1132	6791.24
7	258	**PB-12**	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77

8	864	**PB-13**	600	((4.70+0.50)/2)*1.35	3.51	2106.00	49.47	104183.82	868	5209.19
9	23	**PB-15**	400	((4.70+0.50)/2)*1.32	3.43	1372.80	49.47	67912.42	566	3395.62
10	850	**PB-16**	700	((4.70+0.50)/2)*1.35	3.51	2457.00	49.47	121547.79	1013	6077.39
11	840	**PB-17**	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
12	11	**PB-18**	500	((4.70+0.50)/2)*1.30	3.38	1690.00	49.47	83604.30	697	4180.22
13	15	**PB-20**	400	((4.70+0.50)/2)*1.35	3.51	1404.00	49.47	69455.88	579	3472.79
				TOTAL		24560.90		1215027.72	10125	60751.39
	Name of Village	Manakhari								
1	237	**SB-3**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
2	221	**SB-4**	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
3	193	**SB-5**	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
4	818	**SB-7**	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
5	835	**SB-8**	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
6	860	**SB-10**	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
7	726	**SB-12**	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
8	725	**SB-13**	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
9	723	**SB-14**	160	((4.45+0.6)/2)*1.28	3.23	517.12	49.47	25581.93	213	2558.19
10	719	**SB-15**	150	((4.45+0.6)/2)*1.28	3.23	484.80	49.47	23983.06	200	2398.31
11	708	**SB-16**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
12	709	**SB-17**	210	((4.45+0.6)/2)*1.28	3.23	678.72	49.47	33576.28	280	3357.63
13	711	**SB-18**	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
14	710	**SB-19**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
1	709	**SB-20**	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97

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16	300	**SB-21**	210	((4.45 +0.6)/2)*1.28	3.23	678.72	49.47	33576.28	280	3357.63
17	301	**SB-22**	180	((4.45 +0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
18	304	**SB-23**	300	((4.45 +0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
19	305	**SB-24**	280	((4.45 +0.6)/2)*1.28	3.23	904.96	49.47	44768.37	373	4476.84
20	306	**SB-25**	260	((4.45 +0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
21	306	**SB-26**	240	((4.45 +0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
22	331	**SB-27**	260	((4.45 +0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
23	196	**SB-28**	240	((4.45 +0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
24	159	**SB-29**	240	((4.45 +0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
25	158	**SB-30**	220	((4.45 +0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
26	157	**SB-31**	230	((4.45 +0.6)/2)*1.28	3.23	743.36	49.47	36774.02	306	3677.40
27	156	**SB-32**	220	((4.45 +0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
28	155	**SB-33**	200	((4.45 +0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
29	154	**SB-34**	200	((4.45 +0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
30	153	**SB-35**	180	((4.45 +0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
31	152	**SB-36**	240	((4.45 +0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
32	170	**SB-44**	240	((4.45 +0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29

33	172	**SB-45**	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
34	173	**SB-46**	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
35	197	**SB-48**	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
36	199	**SB-49**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
				TOTAL		25532.80		1263107.62	10526	63155.38
	Name of Village	Manakhari								
1	299	**WHB-1**	80	((12.0+1.50)/2)*2.40	16.20	1296.00	52.03	67430.88	562	3371.54
2	711	**WHB-2**	90	((12.0+2.00)/2)*2.80	19.60	1764.00	52.03	91780.92	765	4589.05
3	725	**WHB-3**	80	((12.0+2.00)/2)*2.60	18.20	1456.00	52.03	75755.68	631	3787.78
4	850	**WHB-4**	80	((12.0+1.50)/2)*2.50	16.88	1350.00	52.03	70240.50	585	3512.03
5	35	**WHB-5**	60	((12.0+1.50)/2)*2.50	16.88	1012.50	52.03	52680.38	439	2634.02
6	219	**WHB-6**	90	((12.0+2.00)/2)*2.80	19.60	1764.00	52.03	91780.92	765	4589.05
7	213	**WHB-7**	100	((12.0+2.00)/2)*2.60	18.20	1820.00	52.03	94694.60	789	4734.73
8	191	**WHB-8**	100	((12.0+1.50)/2)*2.50	16.88	1687.50	52.03	87800.63	732	4390.03
				TOTAL		12150.00		632164.50	5268	31608.23
	Name of Village	Manakhari								
1	186	**ECD-1**	80	((12+02)/2)*2.5	17.500	1400.00	52.03	72842.00	607	
2	175	**ECD-2**	80	((12+02)/2)*2.3	16.100	1288.00	52.03	67014.64	558	
3	169	**ECD-3**	90	((12+02)/2)*2	14.000	1260.00	52.03	65557.80	546	
4	128	**ECD-4**	80	((12+1.5)/2)*2.5	16.875	1350.00	52.03	70240.50	585	
5	134	**ECD-5**	90	((12+02)/2)*2.3	16.100	1449.00	52.03	75391.47	628	
6	105	**ECD-6**	80	((12+02)/2)*2	14.000	1120.00	52.03	58273.60	486	
7	93	**ECD-7**	80	((12+1.5)/2)*2.5	16.875	1350.00	52.03	70240.50	585	
8	96	**ECD-8**	100	((12+02)/2)*2	14.000	1400.00	52.03	72842.00	607	
9	99	**ECD-9**	60	((12+1.5)/2)*2.5	16.875	1012.50	52.03	52680.38	439	

				TOTAL		11629.500		605082.89	5042.36	
	Name of Village	Manakhari								
1	206	**CD-1**	80	((12.45+1.25)/2)*2.8	19.180	1534.40	52.03	79834.83	665	
2	201	**CD-2**	50	((15.50+1.5)/2)*3.5	29.750	1487.50	52.03	77394.63	645	
3	270	**CD-3**	60	((15.50+1.5)/2)*3.5	29.750	1785.00	52.03	92873.55	774	
4	165	**CD-5**	70	((15.50+1.5)/2)*3.5	29.750	2082.50	52.03	108352.48	903	
5	168	**CD-6**	50	((15.50+1.5)/2)*3.5	29.750	1487.50	52.03	77394.63	645	
6	251	**CD-7**	60	((15.50+1.5)/2)*3.5	29.750	1785.00	52.03	92873.55	774	
7	250	**CD-8**	75	((15.50+1.5)/2)*3.5	29.750	2231.25	52.03	116091.94	967	
8	249	**CD-9**	70	((12.45+1.25)/2)*2.8	19.180	1342.60	52.03	69855.48	582	
9	162	**CD-10**	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
10	156	**CD-11**	90	((15.50+1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	
11	217	**CD-12**	100	((15.50+1.5)/2)*3.5	29.750	2975.00	52.03	154789.25	1290	
12	223	**CD-13**	100	((15.50+1.5)/2)*3.5	29.750	2975.00	52.03	154789.25	1290	
13	231	**CD-15**	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
				TOTAL		27123.25		1411222.70	11760	

Barhaira		
PB	QTY 5460.00	COST 270106.20
SB	1939.20	95932.22
	7399.20	366038.42
	Mamna	
	QTY	COST
CB	2717.50	114433.93

	Manakhari	
	QTY	COST
CB	11595.65	488292.82
MB	25331.59	1253153.63
PB	24560.90	1215027.72
SB	25532.80	1263107.62
WHB	12150.00	632164.50
ECD	11629.500	605082.89
CD	27123.25	1411222.70
	137923.69	**6866051.88**
GT	148040.39	7348524.23
	MWS	
CB	14313.15	602726.75
MB	25331.59	1253153.63
PB	30020.90	1485133.92
SB	27472.00	1359039.84
WHB	12150.00	632164.50
ECD	11629.500	605082.885
CD	27123.25	1411222.70
	148040.39	**7348524.23**

Name of MWS		Panchura			Name of Gram Panchayat			Panchura		
1	129	**Name of Village CB16**	**Mamna** 400	((3.50+0.50)/2)*1	2.00	800.00	42.11	33688.00	281	1684.40
2	116	**CB-10**	500	((3.50+0.50)/2)*1	2.00	1000.00	42.11	42110.00	351	2105.50
3	117	**CB-11**	600	((3.50+0.45)/2)*1	1.98	1185.00	42.11	49900.35	416	2495.02
4	115	**CB-9**	400	((3.50+0.55)/2)*1	2.03	810.00	42.11	34109.10	284	1705.46
5	130	**CB-12**	300	((3.50+0.50)/2)*1	2.00	600.00	42.11	25266.00	211	1263.30
				TOTAL-		4395.00		185073.45	1542	9253.67
	Name of Village	Mamna								
1	2285	**CD-1**	100	((15.50+1.5)/2)*3.5	29.750	2975.00	52.03	154789.25	1290	
	Name of Village	Bilpur								
1	1481	**CB-22**	300	((3.50+0.50)/2)*1	2.00	600.00	42.11	25266.00	211	1263.30
2	**1408**	CB-23	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
3	1479	**CB-24**	400	((2.85+0.45)/2)*0.80	1.32	528.00	42.11	22234.08	185	1111.70
4	**1461**	CB-25	210	((3.50+0.55)/2)*1	2.03	425.25	42.11	17907.28	149	895.36
5	1458	**CB-26**	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
6	**1449**	CB-27	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
7	1146	**CB-30**	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
8	**1445**	CB-31	180	((3.50+0.45)/2)*0.90	1.78	319.95	42.11	13473.09	112	673.65
9	1311	**CB-32**	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
10	**1313**	CB-33	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
				TOTAL-		4318.70		181860.46	1516	9093.02
1	**Name of Village 153**	Bilpur PB-15	800	((4.70+0.50)/2)*1.40	3.64	2912.00	49.47	144056.64	1200	7202.83
2	**158**	PB-13	700	((4.70+0.50)/2)*1.40	3.64	2548.00	49.47	126049.56	1050	6302.48
				TOTAL-		5460.00		270106.20		

	Name of Village	Bilpur								
1	**1462**	WHB-1	100	((12.0+2.00)/2)*2.50	17.50	1750.00	52.03	91052.50	759	4552.63
2	**1448**	**WHB-2**	80	((12.0+2.00)/2)*2.50	17.50	1400.00	52.03	72842.00	607	3642.10
3	**1204**	WHB-3	90	((12.0+2.00)/2)*2.50	17.50	1575.00	52.03	81947.25	683	4097.36
				TOTAL-		4725.00		245841.75		
	Name of Village	Bilpur								
1	**157**	CD-5	100	((13.5+1.5)/2)*3	22.500	2250.00	52.03	117067.50	976	
2	**160**	CD-4	80	((15.5+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
3	**171**	CD-3	90	((13.5+1.5)/2)*3	22.500	2025.00	52.03	105360.75	878	
4	**1300**	CD-2	80	((15.5+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
5	**2285**	CD-1	60	((13.5+1.5)/2)*3	22.500	1350.00	52.03	70240.50	585	
				TOTAL-		10385.00		540331.55	4503	
	Name of Village	Tai								
1	**172**	CB-38	400	((3.50+0.50)/2)*1	2.00	800.00	42.11	33688.00	281	1684.40
2	**171**	CB-36	320	((3.50+0.50)/2)*1	2.00	640.00	42.11	26950.40	225	1347.52
3	**169**	CB-33	230	((3.50+0.45)/2)*1	1.98	454.25	42.11	19128.47	159	956.42
4	**168**	CB-32	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
5	**50**	CB-42	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
6	**52**	CB-43	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
7	**40**	CB-41	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
8	**172**	CB-36	180	((3.50+0.45)/2)*1	1.98	355.50	42.11	14970.11	125	748.51
9	**165**	CB-37	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
10	**160**	CB-38	280	((3.50+0.50)/2)*1	2.00	560.00	42.11	23581.60	197	1179.08
11	**159**	CB-39	270	((3.50+0.55)/2)*1	2.03	546.75	42.11	23023.64	192	1151.18
12	**78**	CB-44	260	((3.50+0.50)/2)*1	2.00	520.00	42.11	21897.20	182	1094.86
				TOTAL-		5328.00		258050.08	2150	12902.50
	Name of Village	Tai								
1	**64**	PB-11	700	((4.70+0.50)/2)*1.40	3.64	2548.00	49.47	126049.56	1050	6302.48
2	**68**	PB-12	800	((4.70+0.50)/2)*1.40	3.64	2912.00	49.47	144056.64	1200	7202.83

3	**66**	PB-10	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
4	**70**	PB-1	400	((4.70+0.50)/2)*1.40	3.64	1456.00	49.47	72028.32	600	3601.42
5	**79**	PB-9	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
6	**45**	PB-3	900	((4.70+0.50)/2)*1.40	3.64	3276.00	49.47	162063.72	1351	8103.19
7	**88**	PB-8	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
8	**183**	PB-7	400	((4.70+0.50)/2)*1.40	3.64	1456.00	49.47	72028.32	600	3601.42
9	**181**	PB-4	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
10	**188**	PB-5	700	((4.70+0.50)/2)*1.40	3.64	2548.00	49.47	126049.56	1050	6302.48
11	**192**	PB-6	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
				TOTAL-		24388.00		1206474.36	10054	60323.72
	Name of Village	Tai								
1	**187**	SB-18	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
2	**338**	SB-58	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
3	**332**	SB-57	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
4	**1357**	SB-60	210	((4.45+0.6)/2)*1.28	3.23	678.72	49.47	33576.28	280	3357.63
5	**1342**	SB-59	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
6	**93**	SB-55	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
7	**94**	SB-54	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
8	**98**	SB-53	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
9	**103**	SB-52	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
						597920		295791.02	2465	29579.10
	Name of Village	Tai								
1	**174**	WHB-10	100	((12.0+2.00)/2)*2.50	17.50	1750.00	52.03	91052.50	759	4552.63
	Name of Village	Tai								
1	**307**	ECD-15	80	((12+02)/2)*2.5	17.500	1400.00	52.03	72842.00	607	
2	**304**	ECD-14	90	((12+02)/2)*2.5	17.500	1575.00	52.03	81947.25	683	
3	**300**	ECD-13	80	((12+02)/2)*2.5	17.500	1400.00	52.03	72842.00	607	
4	**57**	ECD-7	70	((12+1.5)/2)*2.5	16.875	1181.25	52.03	61460.44	512	
5	**56**	ECD-8	90	((12+02)/2)*2.5	17.500	1575.00	52.03	81947.25	683	
6	**54**	ECD-9	80	((12+02)/2)*2.5	17.500	1400.00	52.03	72842.00	607	

7	**12**	ECD-2	100	((12+1.5)/2)*2.5	16.875	1687.50	52.03	87800.63	732	
8	**11**	ECD-1	80	((12+1.5)/2)*2.5	16.875	1350.00	52.03	70240.50	585	
9	**6**	ECD-12	90	((12+02)/2)*2.5	17.500	1575.00	52.03	81947.25	683	
10	**25**	ECD-11	80	((12+1.5)/2)*2.5	16.875	1350.00	52.03	70240.50	585	
				TOTAL-		14493.75		754109.81	6284	
	Name of Village	Tai								
1	**62**	CD-9	80	((12.45+1.25)/2)*2.8	19.180	1534.40	52.03	79834.83	665	
2	**46**	CD-10	90	((15.50+1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	
3	**183**	CD-11	100	((15.50+1.5)/2)*3.5	29.750	2975.00	52.03	154789.25	1290	
4	**1382**	CD-8	70	((15.50+1.5)/2)*3.5	29.750	2082.50	52.03	108352.48	903	
5	**1392**	CD-6	90	((15.50+1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	
6	**1387**	CD-7	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
7	**1369**	CD-5	90	((15.50+1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	
				TOTAL-		17004.40		884738.93	7373	
	Name of Village	**Panchura**								
1	**331**	CB-21	300	((3.50+0.55)/2)*1	2.03	607.50	42.11	25581.83	213	1279.09
2	**332**	CB-20	320	((3.50+0.50)/2)*1	2.00	640.00	42.11	26950.40	225	1347.52
3	**338**	CB-22	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
4	**341**	CB-25	210	((3.50+0.50)/2)*1	2.00	420.00	42.11	17686.20	147	884.31
5	**344**	CB26	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
6	**112**	CB-17	230	((3.50+0.50)/2)*1	2.00	460.00	42.11	19370.60	161	968.53
7	**63**	CB-18	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
8	**68**	CB-3	250	((3.50+0.50)/2)*1	2.00	500.00	42.11	21055.00	175	1052.75
9	**67**	CB-8	260	((3.50+0.55)/2)*1	2.03	526.50	42.11	22170.92	185	1108.55
10	**73**	CB-5	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
11	**79**	CB-29	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
12	**82**	CB-1	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
13	**83**	CB-2	210	((3.50+0.55)/2)*1	2.03	425.25	42.11	17907.28	149	895.36
14	**77**	CB-28	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64

15	**74**	CB-4	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
16	**134**	CB-21	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
17	**131**	CB-30	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
18	**183**	CB-39	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
19	**184**	CB-40	250	((3.50+0.55)/2)*1	2.03	506.25	42.11	21318.19	178	1065.91
20	**93**	CB-31	260	((3.50+0.50)/2)*1	2.00	520.00	42.11	21897.20	182	1094.86
				TOTAL-		9398.50		395770.84	3298	19788.54
	Name of Village	**Panchura**								
1	**186**	MB-1	230	((4.75+0.80)/2)*1.50	4.16	957.38	49.47	47361.34	395	2368.07
2	**105**	MB-2	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
3	**107**	MB-3	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
4	**109**	MB-4	250	((4.75+0.80)/2)*1.55	4.30	1075.31	49.47	53195.71	443	2659.79
5	**104**	MB-5	230	((4.75+0.80)/2)*1.55	4.30	989.29	49.47	48940.05	408	2447.00
6	**112**	MB-6	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
7	**103**	MB-7	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
8	**102**	MB-8	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
9	**113**	MB-9	210	((4.75+0.80)/2)*1.55	4.30	903.26	49.47	44684.40	372	2234.22
10	**108**	MB-10	250	((4.75+0.80)/2)*1.55	4.30	1075.31	49.47	53195.71	443	2659.79
11	**115**	MB-11	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
12	**125**	MB-12	280	((4.75+0.80)/2)*1.55	4.30	1204.35	49.47	59579.19	496	2978.96
13	**129**	MB-13	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
15	**127**	MB-14	260	((4.75+0.80)/2)*1.55	4.30	1118.33	49.47	55323.54	461	2766.18
16	**142**	MB-15	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
17	**141**	MB-16	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
18	**136**	MB-17	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
19	**140**	MB-18	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
20	**136**	MB-19	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
21	**180**	MB-20	210	((4.75+0.80)/2)*1.55	4.30	903.26	49.47	44684.40	372	2234.22
				TOTAL-		19551.26		967200.96	8060	48360.05

	Name of Village	Panchura								
1	**48**	SB-1	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
2	**52**	SB-2	140	((4.45+0.6)/2)*1.28	3.23	452.48	49.47	22384.19	187	2238.42
3	**54**	SB-3	120	((4.45+0.6)/2)*1.28	3.23	387.84	49.47	19186.44	160	1918.64
4	**56**	SB-4	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
5	**57**	SB-5	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
6	**58**	SB-6	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
7	**86**	SB-7	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
8	**84**	SB-8	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
9	**82**	SB-9	120	((4.45+0.6)/2)*1.28	3.23	387.84	49.47	19186.44	160	1918.64
10	**80**	SB-10	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
11	**77**	SB-11	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
12	**90**	SB-12	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
13	**92**	SB-13	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
14	**96**	SB-14	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
15	**97**	SB-15	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
16	**195**	SB-16	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
17	**98**	SB-17	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
18	**95**	SB-18	280	((4.45+0.6)/2)*1.28	3.23	904.96	49.47	44768.37	373	4476.84
19	**181**	SB-19	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
20	**123**	SB-20	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
21	**134**	SB-21	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
22	**51**	SB-22	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
23	**50**	SB-23	210	((4.45+0.6)/2)*1.28	3.23	678.72	49.47	33576.28	280	3357.63
24	**45**	SB-24	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
25	**76**	SB-25	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
26	**18**	SB-26	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
27	**21**	SB-27	160	((4.45+0.6)/2)*1.28	3.23	517.12	49.47	25581.93	213	2558.19
28	**42**	SB-28	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
29	**46**	SB-29	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74

30	**30**	SB-30	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
31	**25**	SB-31	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
32	**72**	SB-32	160	((4.45+0.6)/2)*1.28	3.23	517.12	49.47	25581.93	213	2558.19
33	**66**	SB-33	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
34	**61**	SB-34	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
35	**65**	SB-35	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
36	**612**	SB-36	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
37	**614**	SB-37	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
38	**615**	SB-38	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
39	**616**	SB-39	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
40	**131**	SB-40	210	((4.45+0.6)/2)*1.28	3.23	678.72	49.47	33576.28	280	3357.63
41	**32**	SB-41	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
42	**33**	SB-42	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
43	**34**	SB-43	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
44	**386**	SB-44	210	((4.45+0.6)/2)*1.28	3.23	678.72	49.47	33576.28	280	3357.63
45	**44**	SB-45	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
46	**296**	SB-46	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
47	**295**	SB-47	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
48	**44**	SB-48	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
49	**423**	SB-49	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
50	**424**	SB-50	210	((4.45+0.6)/2)*1.28	3.23	678.72	49.47	33576.28	280	3357.63
				TOTAL-		34000.64		1682011.66	14017	168201.17
	Name of Village	**Panchura**								
1	**63**	WHB-5	100	((12.0+1.50)/2)*2.50	16.88	1687.50	52.03	87800.63	732	4390.03
2	**74**	WHB-6	80	((12.0+2.00)/2)*2.80	19.60	1568.00	52.03	81583.04	680	4079.15
3	**79**	WHB-7	90	((12.0+2.00)/2)*2.60	18.20	1638.00	52.03	85225.14	710	4261.26
4	**25**	WHB-8	80	((12.0+1.50)/2)*2.50	16.88	1350.00	52.03	70240.50	585	3512.03
5	**93**	WHB-9	90	((12.0+2.00)/2)*2.50	17.50	1575.00	52.03	81947.25	683	4097.36
				TOTAL-		7818.50		406796.56	3390	20339.83

CB	**Mamna** 4395.00	185073.45
WHB	2975.00	154789.25
	7370.00	**339862.70**
	Bilpur	
	QTY	COST
CB	4318.70	181860.46
PB	5460.00	270106.20
WHB	4725.00	245841.75
CD	10385.00	540331.55
	24888.70 Tai	**1238139.96**
CB	5328.00	258050.08
PB	24388.00	1206474.36
SB	5979.20	295791.02
WHB	1750.00	91052.50
ECD	14493.75	754109.81
CD	17004.40	884738.93
	68943.35	**3490216.71**
	Panchura	
CB	9398.50	395770.84
MB	19551.26	967200.96
SB	34000.64	1682011.66
WHB	7818.50	406796.56
	70768.90	**3451780.01**
GT	**171970.95**	**8519999.37**
	MWS	
CB	23440.20	1020754.82
MB	19551.26	967200.96

PB	29848.00	1476580.56
SB	39979.84	1977802.68
WHB	17268.500	898480.055
ECD	14493.75	754109.81
CD	27389.40	1425070.48
	171970.95	**8519999.37**

	MSW	HARSUNDI								
	Name of village	Basariya								
1	412	CB-74	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
2	419	CB-75	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
3	410	CB-72	300	((3.50+0.45)/2)*1	1.98	592.50	42.11	24950.18	208	1247.51
4	411	CB-73	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
5	405	CB-70	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
6	408	CB-71	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
7	404	CB-69	240	((3.50+0.50)/2)*.7	1.40	336.00	42.11	14148.96	118	707.45
8	402	CB-67	210	((3.50+0.45)/2)*1	1.98	414.75	42.11	17465.12	146	873.26
9	366	CB-65	230	((3.50+0.55)/2)*1	2.03	465.75	42.11	19612.73	163	980.64
10	363	CB-66	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
11	365	CB-64	250	((3.50+0.50)/2)*1	2.00	500.00	42.11	21055.00	175	1052.75
12	358	CB-62	260	((3.50+0.50)/2)*0.8	1.60	416.00	42.11	17517.76	146	875.89
13	356	CB-60	200	((3.50+0.45)/2)*1	1.98	395.00	42.11	16633.45	139	831.67
14	351	CB-61	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
15	421	CB-78	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
16	420	CB-77	200	((3.50+0.50)/2)*0.9	1.80	360.00	42.11	15159.60	126	757.98
						6811.00		**286811.21**	**2390**	**14340.56**
17	19	PB-1	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
18	82	PB-2	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
19	84	PB-3	800	((4.70+0.50)/2)*1.30	3.38	2704.00	49.47	133766.88	1115	6688.34

						6708.00		**331844.76**		
20	**310**	**SB-82**	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
21	**311**	**SB-83**	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
22	**312**	**SB-84**	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
23	**313**	**SB-85**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
24	**314**	**SB-90**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
25	**315**	**SB-91**	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
26	**316**	**SB-92**	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
27	**317**	**SB-93**	240	((4.80+0.6)/2)*1.40	3.78	907.20	49.47	44879.18	374	4487.92
28	**319**	**SB-94**	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
29	**318**	**SB-95**	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
30	**320**	**SB-96**	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
31	**321**	**SB-97**	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
32	**322**	**SB-98**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
33	**323**	**SB-99**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
34	**324**	**SB-100**	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
35	**325**	**SB-101**	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
36	**326**	**SB-102**	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
37	**327**	**SB-103**	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
38	**328**	**SB-104**	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
39	**329**	**SB-105**	210	((4.80+0.6)/2)*1.40	3.78	793.80	49.47	39269.29	327	3926.93
40	**330**	**SB-106**	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
41	**13**	**SB-1**	230	((4.45+0.6)/2)*1.28	3.23	743.36	49.47	36774.02	306	3677.40
42	**15**	**SB-2**	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
43	**16**	**SB-3**	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
44	**17**	**SB-4**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
45	**57**	**SB-9**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
46	**56**	**SB-8**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
47	**78**	**SB-14**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
48	**74**	**SB-17**	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
49	**73**	**SB-18**	210	((4.45+0.6)/2)*1.28	3.23	678.72	49.47	33576.28	280	3357.63

50	266	SB-78	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
51	267	SB-79	200	((4.80+0.6)/2)*1.40	3.78	756.00	49.47	37399.32	312	3739.93
52	264	SB-77	170	((4.45+0.6)/2)*1.28	3.23	549.44	49.47	27180.80	227	2718.08
53	71	SB-19	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
54	68	SB-12	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
55	66	SB-11	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
56	268	SB-80	200	((4.80+0.6)/2)*1.40	3.78	756.00	49.47	37399.32	312	3739.93
						30717.32		**1519585.82**	**12663**	**151958.58**
	Name of village	Rirwa bujurg danda								
1	423	CB-76	100	((3.50+0.50)/2)*1	2.00	200.00	42.11	8422.00	70	421.10
2	351	CB-57	120	((3.50+0.50)/2)*1	2.00	240.00	42.11	10106.40	84	505.32
3	350	CB-50	130	((3.50+0.45)/2)*1	1.98	256.75	42.11	10811.74	90	540.59
4	346	CB-54	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
5	344	CB-53	150	((3.50+0.50)/2)*1	2.00	300.00	42.11	12633.00	105	631.65
6	345	CB-59	160	((3.50+0.50)/2)*1	2.00	320.00	42.11	13475.20	112	673.76
7	343	CB-58	200	((3.50+0.50)/2)*.7	1.40	280.00	42.11	11790.80	98	589.54
8	342	CB-52	200	((3.50+0.45)/2)*1	1.98	395.00	42.11	16633.45	139	831.67
9	440	CB-107	210	((3.50+0.55)/2)*1	2.03	425.25	42.11	17907.28	149	895.36
10	441	CB-109	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
11	444	CB-110	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
12	443	CB-119	160	((3.50+0.50)/2)*0.8	1.60	256.00	42.11	10780.16	90	539.01
13	488	CB-95	140	((3.50+0.45)/2)*1	1.98	276.50	42.11	11643.42	97	582.17
						4154.50		**174946.00**	**1458**	**8747.30**
14	480	MB-77	90	((4.75+0.80)/2)*1.55	4.30	387.11	49.47	19150.46	160	957.52
15	481	MB-79	120	((4.75+0.80)/2)*1.50	4.16	499.50	49.47	24710.27	206	1235.51
16	482	MB-73	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
17	649	MB-84	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
18	650	MB-85	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11

19	655	MB-82	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
20	651	MB-81	110	((4.75+0.80)/2)*1.50	4.16	457.88	49.47	22651.08	189	1132.55
21	653	MB-80	120	((4.75+0.80)/2)*1.55	4.30	516.15	49.47	25533.94	213	1276.70
						5529.19		**273528.91**	**2279**	**13676.45**
	Name of village	Harsundi								
1	422	CB-79	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
2	423	CB-80	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
3	427	CB-83	210	((3.50+0.45)/2)*1	1.98	414.75	42.11	17465.12	146	873.26
4	426	CB-82	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
5	424	CB-81	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
6	429	CB-94	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
7	430	CB-85	200	((3.50+0.50)/2)*.7	1.40	280.00	42.11	11790.80	98	589.54
8	431	CB-86	200	((3.50+0.45)/2)*1	1.98	395.00	42.11	16633.45	139	831.67
9	432	CB-116	180	((3.50+0.55)/2)*1	2.03	364.50	42.11	15349.10	128	767.45
10	437	CB-113	190	((3.50+0.50)/2)*1	2.00	380.00	42.11	16001.80	133	800.09
11	439	CB-108	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
12	445	CB-111	220	((3.50+0.50)/2)*0.8	1.60	352.00	42.11	14822.72	124	741.14
13	436	CB-114	220	((3.50+0.45)/2)*1	1.98	434.50	42.11	18296.80	152	914.84
14	433	CB-117	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
15	434	CB-116	260	((3.50+0.50)/2)*1	2.00	520.00	42.11	21897.20	182	1094.86
16	452	CB-88	240	((3.50+0.45)/2)*1	1.98	474.00	42.11	19960.14	166	998.01
17	453	CB-87	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
18	454	CB-89	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
19	458	CB90	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
20	459	CB-91	240	((3.50+0.50)/2)*.7	1.40	336.00	42.11	14148.96	118	707.45
21	460	CB-92	260	((3.50+0.45)/2)*1	1.98	513.50	42.11	21623.49	180	1081.17
22	461	CB-93	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
23	462	CB-94	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
24	501	CB-98	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42

25	500	CB-97	240	((3.50+0.50)/2)*0.8	1.60	384.00	42.11	16170.24	135	808.51
26	219	CB-1	260	((3.50+0.45)/2)*1	1.98	513.50	42.11	21623.49	180	1081.17
27	250	CB-2	280	((3.50+0.50)/2)*1	2.00	560.00	42.11	23581.60	197	1179.08
28	251	CB-3	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
29	255	CB-4	220	((3.50+0.45)/2)*1	1.98	434.50	42.11	18296.80	152	914.84
30	256	CB-5	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
31	261	CB-7	250	((3.50+0.50)/2)*1	2.00	500.00	42.11	21055.00	175	1052.75
32	266	CB12	260	((3.50+0.50)/2)*1	2.00	520.00	42.11	21897.20	182	1094.86
33	265	CB-11	270	((3.50+0.50)/2)*.7	1.40	378.00	42.11	15917.58	133	795.88
34	264	CB-10	280	((3.50+0.45)/2)*1	1.98	553.00	42.11	23286.83	194	1164.34
35	544	CB-26	300	((3.50+0.55)/2)*1	2.03	607.50	42.11	25581.83	213	1279.09
36	546	CB-30	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
37	545	CB-29	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
38	263	CB-9	240	((3.50+0.50)/2)*0.8	1.60	384.00	42.11	16170.24	135	808.51
39	258	CB-6	220	((3.50+0.45)/2)*1	1.98	434.50	42.11	18296.80	152	914.84
40	541	CB-26	250	((3.50+0.50)/2)*1	2.00	500.00	42.11	21055.00	175	1052.75
41	271	CB-15	260	((3.50+0.50)/2)*1	2.00	520.00	42.11	21897.20	182	1094.86
42	270	CB-14	250	((3.50+0.45)/2)*1	1.98	493.75	42.11	20791.81	173	1039.59
43	274	CB-16	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
44	669	CB-13	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
45	505	CB-99	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
46	506	CB-100	260	((3.50+0.50)/2)*.7	1.40	364.00	42.11	15328.04	128	766.40
47	507	CB-101	320	((3.50+0.45)/2)*1	1.98	632.00	42.11	26613.52	222	1330.68
48	508	CB-102	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
49	509	CB-103	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
50	510	CB-104	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
51	514	CB-105	220	((3.50+0.50)/2)*0.8	1.60	352.00	42.11	14822.72	124	741.14
52	515	CB-106	180	((3.50+0.45)/2)*1	1.98	355.50	42.11	14970.11	125	748.51
53	516	CB-107	240	((3.50+0.50)/2)*.7	1.40	336.00	42.11	14148.96	118	707.45

54	276	CB-276	250	((3.50+0.45)/2)*1	1.98	493.75	42.11	20791.81	173	1039.59
55	523	CB-523	260	((3.50+0.55)/2)*1	2.03	526.50	42.11	22170.92	185	1108.55
56	535	CB-535	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
57	533	CB-533	250	((3.50+0.50)/2)*1	2.00	500.00	42.11	21055.00	175	1052.75
58	530	CB-530	220	((3.50+0.50)/2)*0.8	1.60	352.00	42.11	14822.72	124	741.14
59	586	CB-586	220	((3.50+0.45)/2)*1	1.98	434.50	42.11	18296.80	152	914.84
60	587	CB-587	200	((3.50+0.45)/2)*1	1.98	395.00	42.11	16633.45	139	831.67
						26501.75		**1115988.69**	**9300**	**55799.43**
61	713	MB-26	120	((4.75+0.80)/2)*1.50	4.16	499.50	49.47	24710.27	206	1235.51
62	709	MB-24	140	((4.75+0.80)/2)*1.50	4.16	582.75	49.47	28828.64	240	1441.43
63	708	MB-25	140	((4.75+0.80)/2)*1.55	4.30	602.18	49.47	29789.60	248	1489.48
64	706	MB-23	120	((4.75+0.80)/2)*1.55	4.30	516.15	49.47	25533.94	213	1276.70
65	705	MB-22	210	((4.75+0.80)/2)*1.50	4.16	874.13	49.47	43242.96	360	2162.15
66	716	MB-27	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
67	717	MB-28	260	((4.75+0.80)/2)*1.55	4.30	1118.33	49.47	55323.54	461	2766.18
68	718	MB-29	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
69	727	MB-32	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
70	726	MB-31	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
71	729	MB-33	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
72	730	MB-42	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
73	731	MB-43	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
74	725	MB-30	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
75	625	MB-37	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
76	723	MB-44	180	((4.75+0.80)/2)*1.50	4.16	749.25	49.47	37065.40	309	1853.27
77	733	MB-45	160	((4.75+0.80)/2)*1.50	4.16	666.00	49.47	32947.02	275	1647.35
78	645	MB-20	140	((4.75+0.80)/2)*1.55	4.30	602.18	49.47	29789.60	248	1489.48
79	658	MB-41	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
80	656	MB-40	180	((4.75+0.80)/2)*1.50	4.16	749.25	49.47	37065.40	309	1853.27
81	655	MB-39	160	((4.75+0.80)/2)*1.50	4.16	666.00	49.47	32947.02	275	1647.35

82	654	MB-36	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
83	649	MB-35	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
84	648	MB-21	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
85	644	MB-19	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
86	653	MB-38	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
87	641	MB-18	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
88	572	MB-92	180	((4.75+0.80)/2)*1.50	4.16	749.25	49.47	37065.40	309	1853.27
89	638	MB-17	190	((4.75+0.80)/2)*1.55	4.30	817.24	49.47	40428.74	337	2021.44
90	575	MB-90	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
91	581	MB-91	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
92	579	MB-89	140	((4.75+0.80)/2)*1.50	4.16	582.75	49.47	28828.64	240	1441.43
93	608	MB-1	250	((4.75+0.80)/2)*1.55	4.30	1075.31	49.47	53195.71	443	2659.79
94	542	MB-88	260	((4.75+0.80)/2)*1.50	4.16	1082.25	49.47	53538.91	446	2676.95
95	541	MB-87	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
						29720.25		**1470260.77**	**12252**	**73513.04**
96	86	PB-5	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
97	91	PB-8	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
98	95	PB-7	800	((4.70+0.50)/2)*1.40	3.64	2912.00	49.47	144056.64	1200	7202.83
99	576	PB-13	900	((4.70+0.50)/2)*1.40	3.64	3276.00	49.47	162063.72	1351	8103.19
100	638	PB-17	700	((4.70+0.50)/2)*1.40	3.64	2548.00	49.47	126049.56	1050	6302.48
101	213	PB-10	400	((4.70+0.50)/2)*1.40	3.64	1456.00	49.47	72028.32	600	3601.42
102	205	PB-9	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
						16016.00		**792311.52**	**6603**	**39615.58**
103	172	SB-26	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
104	173	SB-27	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
105	174	SB-28	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
106	175	SB-29	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
107	176	SB-30	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
108	179	SB-31	250	((4.45+0.6)/2)*1.28	3.23	808.00	49.47	39971.76	333	3997.18

109	178	SB-32	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
110	186	SB-38	260	((4.80+0.6)/2)*1.40	3.78	982.80	49.47	48619.12	405	4861.91
111	182	SB-34	230	((4.45+0.6)/2)*1.28	3.23	743.36	49.47	36774.02	306	3677.40
112	183	SB-35	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
113	184	SB-36	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
114	203	SB-44	210	((4.45+0.6)/2)*1.28	3.23	678.72	49.47	33576.28	280	3357.63
115	201	SB-42	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
116	200	SB-41	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
117	196	SB-43	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
118	189	SB-40	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
119	187	SB-39	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
120	177	SB-33	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
121	99	SB-21	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
122	98	SB-22	320	((4.80+0.6)/2)*1.40	3.78	1209.60	49.47	59838.91	499	5983.89
123	216	SB-62	360	((4.45+0.6)/2)*1.28	3.23	1163.52	49.47	57559.33	480	5755.93
124	217	SB-63	340	((4.45+0.6)/2)*1.28	3.23	1098.88	49.47	54361.59	453	5436.16
125	218	SB-64	380	((4.45+0.6)/2)*1.28	3.23	1228.16	49.47	60757.08	506	6075.71
126	214	SB-61	380	((4.45+0.6)/2)*1.28	3.23	1228.16	49.47	60757.08	506	6075.71
127	213	SB-60	345	((4.45+0.6)/2)*1.28	3.23	1115.04	49.47	55161.03	460	5516.10
128	212	SB-59	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
129	242	SB-54	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
130	244	SB-56	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
131	243	SB-55	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
132	240	SB-52	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
133	241	SB-53	600	((4.45+0.6)/2)*1.28	3.23	1939.20	49.47	95932.22	799	9593.22
134	247	SB-58	400	((4.80+0.6)/2)*1.40	3.78	1512.00	49.47	74798.64	623	7479.86
135	249	SB-57	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
136	236	SB-49	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
137	235	SB-48	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
138	237	SB-50	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
139	239	SB-51	100	((4.45+0.6)/2)*1.28	3.23	323.20	49.47	15988.70	133	1598.87

140	234	SB-47	600	((4.45+0.6)/2)*1.28	3.23	1939.20	49.47	95932.22	799	9593.22
141	223	SB-46	700	((4.45+0.6)/2)*1.28	3.23	2262.40	49.47	111920.93	933	11192.09
142	230	SB-45	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
						41114.80		**2033949.16**	**16950**	**203394.92**
	Name of village	Kadoura								
1	765	MB-76	100	((4.75+0.80)/2)*1.50	4.16	416.25	49.47	20591.89	172	1029.59
2	864	MB-75	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
3	888	MB-74	110	((4.75+0.80)/2)*1.50	4.16	457.88	49.47	22651.08	189	1132.55
4	887	MB-73	110	((4.75+0.80)/2)*1.55	4.30	473.14	49.47	23406.11	195	1170.31
5	886	MB-72	120	((4.75+0.80)/2)*1.50	4.16	499.50	49.47	24710.27	206	1235.51
6	836	MB-71	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
7	867	MB-76	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
8	866	MB-77	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
9	861	MB-78	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
10	865	MB-72	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
11	753	MB-55	160	((4.75+0.80)/2)*1.50	4.16	666.00	49.47	32947.02	275	1647.35
12	755	MB-56	140	((4.75+0.80)/2)*1.55	4.30	602.18	49.47	29789.60	248	1489.48
13	841	MB-70	160	((4.75+0.80)/2)*1.50	4.16	666.00	49.47	32947.02	275	1647.35
14	753	MB-55	120	((4.75+0.80)/2)*1.55	4.30	516.15	49.47	25533.94	213	1276.70
15	749	MB-54	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
16	745	MB-53	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
17	744	MB-52	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
18	743	MB-51	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
19	736	MB-46	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
20	742	MB-50	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
21	756	MB-57	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
22	761	MB-59	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
23	753	MB-43	120	((4.75+0.80)/2)*1.50	4.16	499.50	49.47	24710.27	206	1235.51
24	819	MB-66	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05

25	820	MB-67	160	((4.75+0.80)/2)*1.50	4.16	666.00	49.47	32947.02	275	1647.35
26	821	MB-68	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
27	762	MB-60	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
28	737	MB-47	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
29	736	MB-46	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
30	755	MB-58	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
31	819	MB-65	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
32	740	MB-48	140	((4.75+0.80)/2)*1.55	4.30	602.18	49.47	29789.60	248	1489.48
33	741	MB-49	180	((4.75+0.80)/2)*1.50	4.16	749.25	49.47	37065.40	309	1853.27
34	763	MB-61	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
35	766	MB-62	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
36	768	MB-63	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
37	769	MB-64	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
38	626	MB-10	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
39	627	MB-11	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
40	625	MB-9	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
41	624	MB-8	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
42	623	MB-7	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
43	622	MB-6	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
44	614	MB-5	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
45	629	MB-13	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
46	630	MB-14	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
47	631	MB-15	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
48	632	MB-16	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
49	612	MB-4	210	((4.75+0.80)/2)*1.55	4.30	903.26	49.47	44684.40	372	2234.22
50	610	MB-3	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
51	609	MB-2	190	((4.75+0.80)/2)*1.55	4.30	817.24	49.47	40428.74	337	2021.44
						40982.59		**2027408.60**	**16895**	**101370.43**
52	794	PB-16	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77

53	793	PB-15	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
54	792	PB-14	700	((4.70+0.50)/2)*1.40	3.64	2548.00	49.47	126049.56	1050	6302.48
55	782	PB-17	800	((4.70+0.50)/2)*1.40	3.64	2912.00	49.47	144056.64	1200	7202.83
56	612	PB-13	900	((4.70+0.50)/2)*1.40	3.64	3276.00	49.47	162063.72	1351	8103.19
57	151	PB-10	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
58	616	PB-12	700	((4.70+0.50)/2)*1.40	3.64	2548.00	49.47	126049.56	1050	6302.48
59	149	PB-9	800	((4.70+0.50)/2)*1.40	3.64	2912.00	49.47	144056.64	1200	7202.83
60	159	PB-11	900	((4.70+0.50)/2)*1.40	3.64	3276.00	49.47	162063.72	1351	8103.19
61	162	PB-12	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
						25480.00		**1260495.60**	**10504**	**63024.78**
62	876	SB-77	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
63	871	SB-75	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
64	872	SB-76	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
65	889	SB-78	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
66	870	SB-74	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
67	868	SB-72	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
68	869	SB-73	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
69	832	SB-69	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
70	840	SB-70	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
71	845	SB-71	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
72	825	SB-68	280	((4.45+0.6)/2)*1.28	3.23	904.96	49.47	44768.37	373	4476.84
73	826	SB-67	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
74	824	SB-65	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
75	170	SB-25	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
76	14	SB-5	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
77	164	SB-24	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
78	163	SB-22	250	((4.45+0.6)/2)*1.28	3.23	808.00	49.47	39971.76	333	3997.18
79	165	SB-21	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
80	161	SB-23	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
						15869.12		**785045.37**	**6542**	**78504.54**

	Basariya	
CB	6811.00	286811.21
PB	6708.00	331844.76
SB	30717.32	1519585.82
	44236.32	**2138241.79**
	Rirwa bujurg danda	
CB	4154.50	174946.00
MB	5529.19	273528.91
	9683.69	**448474.90**
	Harsundi	
CB	26501.75	1115988.69
MB	29720.25	1470260.77
PB	16016.00	792311.52
SB	41114.80	2033949.16
	113352.80	**5412510.14**
	Kadoura	
MB	40982.59	2027408.60
PB	25480.00	1260495.60
SB	15869.12	785045.37
	82331.71	**4072949.57**
GT	249604.52	12072176.40
	MWS	
CB	37467.25	1577745.90
MB	76232.03	3771198.28
SB	87701.24	4338580.34
PB	48204.00	2384651.88
	249604.52	**12072176.40**

Nameof MWS	Rerua bujurg			Nameof Gram Panchayat			Rerua bujurg		
Nameof Village	Kadoura								
912	CB-11	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
911	CB--12	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
900	CB-8	220	((3.50+0.45)/2)*1	1.98	434.50	42.11	18296.80	152	914.84
907	CB-6	100	((3.50+0.55)/2)*1	2.03	202.50	42.11	8527.28	71	426.36
1431	CB-2	120	((3.50+0.50)/2)*1	2.00	240.00	42.11	10106.40	84	505.32
			TOTAL-		1677.00		70618.47	588	3530.92
Nameof Village	Kadoura								
948	MB-1	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
948	MB-2	120	((4.75+0.80)/2)*1.50	4.16	499.50	49.47	24710.27	206	1235.51
949	MB-3	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
951	MB-4	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
			TOTAL-		2966.48		146751.52	1223	7337.58
Nameof Village	Kadoura								
913	SB-21	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
909	SB-18	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
1404	SB-15	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
1462	SB-9	440	((4.45+0.6)/2)*1.28	3.23	1422.08	49.47	70350.30	586	7035.03
1465	SB-8	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
69	SB-1	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
1469	SB-3	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
1450	SB-4	230	((4.80+0.6)/2)*1.40	3.78	869.40	49.47	43009.22	358	4300.92
1449	SB-5	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
945	SB-7	200	((4.45+0.6)/2)*1.30	3.28	656.50	49.47	32477.06	271	3247.71
1471	SB-2	200	((4.45+0.6)/2)*1.30	3.28	656.50	49.47	32477.06	271	3247.71
			TOTAL-		8969.60		443726.11	3698	44372.61
Nameof Village	Harsundi								
360	CB-29	160	((3.50+0.50)/2)*1	2.00	320.00	42.11	13475.20	112	673.76

355	CB-28	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
358	CB-27	220	((3.50+0.45)/2)*1	1.98	434.50	42.11	18296.80	152	914.84
354	CB-30	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
235	CB-25	260	((3.50+0.50)/2)*1	2.00	520.00	42.11	21897.20	182	1094.86
			TOTAL-		2160.50		90978.66	758	4548.93
Name of Village	Harsundi								
671	MB-6	220	((4.75+0.80)/2)*150	4.16	915.75	49.47	45302.15	378	2265.11
665	MB-7	250	((4.75+0.80)/2)*150	4.16	1040.63	49.47	51479.72	429	2573.99
663	MB-8	240	((4.75+0.80)/2)*155	4.30	1032.30	49.47	51067.88	426	2553.39
657	MB-9	200	((4.75+0.80)/2)*155	4.30	860.25	49.47	42556.57	355	2127.83
512	MB-10	180	((4.75+0.80)/2)*155	4.30	774.23	49.47	38300.91	319	1915.05
278	MB-11	180	((4.75+0.80)/2)*155	4.30	774.23	49.47	38300.91	319	1915.05
280	MB-12	200	((4.75+0.80)/2)*155	4.30	860.25	49.47	42556.57	355	2127.83
284	MB-13	200	((4.75+0.80)/2)*155	4.30	860.25	49.47	42556.57	355	2127.83
319	MB-14	210	((4.75+0.80)/2)*150	4.16	874.13	49.47	43242.96	360	2162.15
292	MB-15	240	((4.75+0.80)/2)*155	4.30	1032.30	49.47	51067.88	426	2553.39
291	MB-16	160	((4.75+0.80)/2)*155	4.30	688.20	49.47	34045.25	284	1702.26
33	MB-17	320	((4.75+0.80)/2)*155	4.30	1376.40	49.47	68090.51	567	3404.53
354	MB-18	320	((4.75+0.80)/2)*155	4.30	1376.40	49.47	68090.51	567	3404.53
330	MB-19	340	((4.75+0.80)/2)*155	4.30	1462.43	49.47	72346.16	603	3617.31
335	MB-20	360	((4.75+0.80)/2)*150	4.16	1498.50	49.47	74130.80	618	3706.54
336	MB-21	220	((4.75+0.80)/2)*155	4.30	946.28	49.47	46812.22	390	2340.61
384	MB-22	320	((4.75+0.80)/2)*155	4.30	1376.40	49.47	68090.51	567	3404.53
452	MB-23	320	((4.75+0.80)/2)*155	4.30	1376.40	49.47	68090.51	567	3404.53
454	MB-24	300	((4.75+0.80)/2)*155	4.30	1290.38	49.47	63834.85	532	3191.74
353	MB-25	300	((4.75+0.80)/2)*155	4.30	1290.38	49.47	63834.85	532	3191.74
369	MB-26	400	((4.75+0.80)/2)*150	4.16	1665.00	49.47	82367.55	686	4118.38
309	MB-27	320	((4.75+0.80)/2)*155	4.30	1376.40	49.47	68090.51	567	3404.53
311	MB-28	180	((4.75+0.80)/2)*155	4.30	774.23	49.47	38300.91	319	1915.05
313	MB-29	240	((4.75+0.80)/2)*155	4.30	1032.30	49.47	51067.88	426	2553.39
300	MB-30	200	((4.75+0.80)/2)*155	4.30	860.25	49.47	42556.57	355	2127.83

296	MB-31	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
533	MB-32	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
			TOTAL-		29190.23		1444040.43	12034	72202.02
Name of Village	Harsundi								
361	PB-17	800	((4.70+0.50)/2)*1.40	3.64	2912.00	49.47	144056.64	1200	7202.83
Name of Village	Harsundi								
554	SB-37	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
555	SB-36	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
			TOTAL-		2262.40		111920.93		
Name of Village	Harsundi								
466	WHB-6	80	((12.0+1.50)/2)*2.50	16.88	1350.00	52.03	70240.50	585	3512.03
490	WHB-5	90	((12.0+2.00)/2)*2.80	19.60	1764.00	52.03	91780.92	765	4589.05
372	WHB-4	100	((12.0+2.00)/2)*2.60	18.20	1820.00	52.03	94694.60	789	4734.73
443	WHB-3	80	((12.0+1.50)/2)*2.50	16.88	1350.00	52.03	70240.50	585	3512.03
Name of Village	Harsundi		TOTAL-		6284.00		326956.52	2725	16347.83
347	ECD-7	80	((12+02)/2)*2.5	17.500	1400.00	52.03	72842.00	607	
346	ECD-9	90	((12+02)/2)*2.5	17.500	1575.00	52.03	81947.25	683	
358	ECD-8	80	((12+02)/2)*2.5	17.500	1400.00	52.03	72842.00	607	
553	ECD-12	80	((12+1.5)/2)*2.5	16.875	1350.00	52.03	70240.50	585	
525	ECD-2	50	((12+02)/2)*2.5	17.500	875.00	52.03	45526.25	379	
550	ECD-3	60	((12+02)/2)*2.5	17.500	1050.00	52.03	54631.50	455	
356	ECD-12	70	((12+1.5)/2)*2.5	16.875	1181.25	52.03	61460.44	512	
			TOTAL-		8831.250		459489.94	3829.08	
Name of Village	**Rerua bujurg**								
140	CB-17	160	((3.50+0.55)/2)*1	2.03	324.00	42.11	13643.64	114	682.18
148	CB-18	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
157	CB-19	180	((3.50+0.55)/2)*1	2.03	364.50	42.11	15349.10	128	767.45
145	CB-20	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
151	CB-21	180	((3.50+0.55)/2)*1	2.03	364.50	42.11	15349.10	128	767.45

153	CB-29	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
			TOTAL-		2213.00		93189.43	777	4659.47
Nameof Village	**Rerua bujurg**								
633	MB-33	220	((4.75+0.80)/2)*155	4.30	946.28	49.47	46812.22	390	2340.61
622	MB-34	180	((4.75+0.80)/2)*155	4.30	774.23	49.47	38300.91	319	1915.05
615	MB-35	160	((4.75+0.80)/2)*155	4.30	688.20	49.47	34045.25	284	1702.26
610	MB-36	180	((4.75+0.80)/2)*155	4.30	774.23	49.47	38300.91	319	1915.05
591	MB-39	190	((4.75+0.80)/2)*155	4.30	817.24	49.47	40428.74	337	2021.44
587	MB-38	250	((4.75+0.80)/2)*155	4.30	1075.31	49.47	53195.71	443	2659.79
59	MB-41	250	((4.75+0.80)/2)*155	4.30	1075.31	49.47	53195.71	443	2659.79
58	MB-42	240	((4.75+0.80)/2)*155	4.30	1032.30	49.47	51067.88	426	2553.39
604	MB-37	260	((4.75+0.80)/2)*155	4.30	1118.33	49.47	55323.54	461	2766.18
			TOTAL-		8301.41		410670.88	3422	20533.54
Nameof Village	**Rerua bujurg**								
114	PB-16	400	((4.70+0.50)/2)*140	3.64	1456.00	49.47	72028.32	600	3601.42
115	PB-15	500	((4.70+0.50)/2)*140	3.64	1820.00	49.47	90035.40	750	4501.77
110	PB-14	600	((4.70+0.50)/2)*140	3.64	2184.00	49.47	108042.48	900	5402.12
134	PB-13	700	((4.70+0.50)/2)*140	3.64	2548.00	49.47	126049.56	1050	6302.48
91	PB-12	400	((4.70+0.50)/2)*140	3.64	1456.00	49.47	72028.32	600	3601.42
153	PB-11	500	((4.70+0.50)/2)*140	3.64	1820.00	49.47	90035.40	750	4501.77
156	PB-10	300	((4.70+0.50)/2)*140	3.64	1092.00	49.47	54021.24	450	2701.06
80	PB-8	500	((4.70+0.50)/2)*140	3.64	1820.00	49.47	90035.40	750	4501.77
50	PB-7	600	((4.70+0.50)/2)*140	3.64	2184.00	49.47	108042.48	900	5402.12
160	PB-9	700	((4.70+0.50)/2)*140	3.64	2548.00	49.47	126049.56	1050	6302.48
178	PB-6	800	((4.70+0.50)/2)*140	3.64	2912.00	49.47	144056.64	1200	7202.83
203	PB-4	900	((4.70+0.50)/2)*140	3.64	3276.00	49.47	162063.72	1351	8103.19
189	PB-5	600	((4.70+0.50)/2)*140	3.64	2184.00	49.47	108042.48	900	5402.12
36	PB-3	300	((4.70+0.50)/2)*140	3.64	1092.00	49.47	54021.24	450	2701.06
20	PB-1	400	((4.70+0.50)/2)*140	3.64	1456.00	49.47	72028.32	600	3601.42

18	PB-2	700	((4.70+0.50)/2)*1.40	3.64	2548.00	49.47	126049.56	1050	6302.48
			TOTAL-		32396.00		1602630.12	13355	80131.51
Name of Village	**Rerua bujurg**								
637	SB-38	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
620	SB-36	230	((4.45+0.6)/2)*1.28	3.23	743.36	49.47	36774.02	306	3677.40
566	SB-31	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
568	SB-32	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
570	SB-30	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
576	SB-29	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
577	SB-28	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
130	SB-24	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
125	SB-26	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
			TOTAL-		6625.60		327768.43	2731	32776.84
Name of Village	**Rerua bujurg**								
632	WHB-1	80	((12.0+2.00)/2)*2.60	18.20	1456.00	52.03	75755.68	631	3787.78
124	WHB-2	90	((12.0+1.50)/2)*2.50	16.88	1518.75	52.03	79020.56	659	3951.03
			TOTAL-		2974.75		154776.24		
Name of Village	**Rerua bujurg**								
633	ECD-14	70	((12+02)/2)*2.5	17.500	1225.00	52.03	63736.75	531	
594	ECD-15	60	((12+02)/2)*2.5	17.500	1050.00	52.03	54631.50	455	
175	ECD-1	90	((12+1.5)/2)*2.5	16.875	1518.75	52.03	79020.56	659	
			TOTAL-		3793.750		197388.81		
Name of Village	**Rerua bujurg**								
341	CD-1	50	((12.45+1.25)/2)*2.8	19.180	959.00	52.03	49896.77	416	
206	CD-2	60	((15.50+1.5)/2)*3.5	29.750	1785.00	52.03	92873.55	774	
191	CD-3	70	((15.50+1.5)/2)*3.5	29.750	2082.50	52.03	108352.48	903	
190	CD-4	90	((15.50+1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	
179	CD-5	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	

169	CD-6	80	((1550+1.5)/2)*35	29.750	2380.00	52.03	123831.40	1032	
158	CD-7	90	((1550+1.5)/2)*35	29.750	2677.50	52.03	139310.33	1161	
153	CD-8	70	((1550+1.5)/2)*35	29.750	2082.50	52.03	108352.48	903	
115	CD-9	60	((1550+1.5)/2)*35	29.750	1785.00	52.03	92873.55	774	
132	CD-10	90	((1550+1.5)/2)*35	29.750	2677.50	52.03	139310.33	1161	
			TOTAL-		21486.50		1117942.60	9316	

CB	**Kadoura** 1677.00	70618.47
MB	2966.48	146751.52
SB	8969.60	443726.11
	13613.08	**661096.10**
	Harsundi	
CB	2160.50	90978.66
MB	29190.23	1444040.43
PB	2912.00	144056.64
SB	2262.40	1119209.3
WHB	6284.00	326956.52
ECD	8831.250	459489.94
	51640.38	**2577443.11**
Rerua bujurg		
CB	2213.00	93189.43
MB	8301.41	410670.88
PB	32396.00	1602630.12
SB	6625.60	327768.43
WHB	2974.75	154776.24
ECD	3793.750	197388.81
CD	21486.50	1117942.60
	77791.01	**3904366.51**

GT	143044.46	7142905.72
	MWS	
CB	6050.50	254786.56
MB	40458.11	2001462.83
PB	35308.00	1746686.76
SB	17857.60	883415.47
WHB	9258.75	481732.76
ECD	12625.000	656878.750
CD	21486.50	1117942.60
	143044.46	**7142905.72**

	Newly basa			**Name of Gram Panchayat**			**Newly basa**		
		Name of Village	**Newly basa**						
Khasara No	Name of Activity	Length (M)							
688	CB-1	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
694	CB2	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
691	CB-3	140	((2.85+0.45)/2)*0.80	1.32	184.80	42.11	7781.93	65	389.10
681	CB-4	180	((3.50+0.55)/2)*1	2.03	364.50	42.11	15349.10	128	767.45
685	CB-5	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
595	CB-6	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
596	CB-7	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
697	CB-8	120	((3.50+0.45)/2)*0.90	1.78	213.30	42.11	8982.06	75	449.10
696	CB-9	140	((3.50+0.55)/2)*1	2.03	283.50	42.11	11938.19	99	596.91
690	CB-10	160	((3.50+0.50)/2)*1	2.00	320.00	42.11	13475.20	112	673.76
695	CB-11	120	((3.50+0.50)/2)*1	2.00	240.00	42.11	10106.40	84	505.32
669	CB-12	150	((3.50+0.50)/2)*1	2.00	300.00	42.11	12633.00	105	631.65
676	CB-13	160	((2.85+0.45)/2)*0.80	1.32	211.20	42.11	8893.63	74	444.68
689	CB-14	100	((3.50+0.55)/2)*1	2.03	202.50	42.11	8527.28	71	426.36

668	CB-15	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
667	CB-16	120	((3.50+0.50)/2)*1	2.00	240.00	42.11	10106.40	84	505.32
661	CB-17	120	((3.50+0.50)/2)*1	2.00	240.00	42.11	10106.40	84	505.32
666	CB-18	120	((3.50+0.45)/2)*0.90	1.78	213.30	42.11	8982.06	75	449.10
662	CB-19	250	((3.50+0.55)/2)*1	2.03	506.25	42.11	21318.19	178	1065.91
660	CB-20	100	((3.50+0.50)/2)*1	2.00	200.00	42.11	8422.00	70	421.10
642	CB-21	250	((3.50+0.50)/2)*1	2.00	500.00	42.11	21055.00	175	1052.75
643	CB-22	210	((3.50+0.50)/2)*1	2.00	420.00	42.11	17686.20	147	884.31
644	CB-23	200	((2.85+0.45)/2)*0.80	1.32	264.00	42.11	11117.04	93	555.85
657	CB-24	100	((3.50+0.55)/2)*1	2.03	202.50	42.11	8527.28	71	426.36
655	CB-25	100	((3.50+0.50)/2)*1	2.00	200.00	42.11	8422.00	70	421.10
653	CB-26	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
651	CB-27	120	((3.50+0.50)/2)*1	2.00	240.00	42.11	10106.40	84	505.32
777	CB-28	200	((3.50+0.45)/2)*0.90	1.78	355.50	42.11	14970.11	125	748.51
774	CB-29	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
731	CB-30	150	((3.50+0.50)/2)*1	2.00	300.00	42.11	12633.00	105	631.65
733	CB-31	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
760	CB-32	150	((3.50+0.50)/2)*1	2.00	300.00	42.11	12633.00	105	631.65
761	CB-33	240	((2.85+0.45)/2)*0.80	1.32	316.80	42.11	13340.45	111	667.02
762	CB-34	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
776	CB-35	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
770	CB-36	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
771	CB-37	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
769	CB-38	200	((3.50+0.45)/2)*0.90	1.78	355.50	42.11	14970.11	125	748.51
808	CB-39	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
805	CB-40	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
810	CB-41	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
1006	CB-42	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
1010	CB-43	190	((2.85+0.45)/2)*0.80	1.32	250.80	42.11	10561.19	88	528.06
1015	CB-44	140	((3.50+0.55)/2)*1	2.03	283.50	42.11	11938.19	99	596.91

602	CB-45	120	((3.50+0.50)/2)*1	2.00	240.00	42.11	10106.40	84	505.32
1000	CB-46	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
997	CB-47	140	((3.50+0.50)/2)*1	2.00	280.00	42.11	11790.80	98	589.54
103	CB-48	200	((3.50+0.45)/2)*0.90	1.78	355.50	42.11	14970.11	125	748.51
1007	CB-49	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
1018	CB-50	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
1011	CB-51	160	((3.50+0.50)/2)*1	2.00	320.00	42.11	13475.20	112	673.76
1050	CB-52	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
1016	CB-53	160	((2.85+0.45)/2)*0.80	1.32	211.20	42.11	8893.63	74	444.68
795	CB-54	140	((3.50+0.55)/2)*1	2.03	283.50	42.11	11938.19	99	596.91
789	CB-55	160	((3.50+0.50)/2)*1	2.00	320.00	42.11	13475.20	112	673.76
780	CB-56	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
1053	CB-57	340	((3.50+0.50)/2)*1	2.00	680.00	42.11	28634.80	239	1431.74
1089	CB-58	160	((3.50+0.45)/2)*0.90	1.78	284.40	42.11	11976.08	100	598.80
1092	CB-59	160	((3.50+0.55)/2)*1	2.03	324.00	42.11	13643.64	114	682.18
1095	CB-60	160	((3.50+0.50)/2)*1	2.00	320.00	42.11	13475.20	112	673.76
791	CB-61	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
790	CB-62	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
789	CB-63	200	((2.85+0.45)/2)*0.80	1.32	264.00	42.11	11117.04	93	555.85
1082	CB-64	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
1063	CB-65	120	((3.50+0.50)/2)*1	2.00	240.00	42.11	10106.40	84	505.32
1083	CB-66	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
1082	CB-67	160	((3.50+0.50)/2)*1	2.00	320.00	42.11	13475.20	112	673.76
1081	CB-68	160	((3.50+0.45)/2)*0.90	1.78	284.40	42.11	11976.08	100	598.80
634	CB-69	140	((3.50+0.55)/2)*1	2.03	283.50	42.11	11938.19	99	596.91
635	CB-70	150	((3.50+0.50)/2)*1	2.00	300.00	42.11	12633.00	105	631.65
			TOTAL		23724.45		999036.59	8325	49951.83
	Name of Village	**Newly basa**							
925	MB-62	140	((4.75+0.80)/2)*1.50	4.16	582.75	49.47	28828.64	240	1441.43
929	MB-63	140	((4.75+0.80)/2)*1.50	4.16	582.75	49.47	28828.64	240	1441.43
1023	MB-64	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83

1022	MB-65	160	((4.75+0.80)/2)*1.55	430	688.20	49.47	34045.25	284	1702.26
1027	MB-66	140	((4.75+0.80)/2)*1.55	430	602.18	49.47	29789.60	248	1489.48
1020	MB-67	140	((4.75+0.80)/2)*1.55	430	602.18	49.47	29789.60	248	1489.48
1026	MB-68	140	((4.75+0.80)/2)*1.55	430	602.18	49.47	29789.60	248	1489.48
1029	MB-69	140	((4.75+0.80)/2)*1.55	430	602.18	49.47	29789.60	248	1489.48
922	MB-70	140	((4.75+0.80)/2)*1.55	430	602.18	49.47	29789.60	248	1489.48
920	MB-71	200	((4.75+0.80)/2)*1.55	430	860.25	49.47	42556.57	355	2127.83
1029	MB-72	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
1130	MB-73	100	((4.75+0.80)/2)*1.50	4.16	416.25	49.47	20591.89	172	1029.59
1132	MB-74	200	((4.75+0.80)/2)*1.55	430	860.25	49.47	42556.57	355	2127.83
1134	MB-75	240	((4.75+0.80)/2)*1.55	430	1032.30	49.47	51067.88	426	2553.39
1041	MB-76	160	((4.75+0.80)/2)*1.55	430	688.20	49.47	34045.25	284	1702.26
1136	MB-77	200	((4.75+0.80)/2)*1.55	430	860.25	49.47	42556.57	355	2127.83
1047	MB-78	240	((4.75+0.80)/2)*1.55	430	1032.30	49.47	51067.88	426	2553.39
1048	MB-79	240	((4.75+0.80)/2)*1.55	430	1032.30	49.47	51067.88	426	2553.39
1049	MB-80	140	((4.75+0.80)/2)*1.55	430	602.18	49.47	29789.60	248	1489.48
1051	MB-81	160	((4.75+0.80)/2)*1.55	430	688.20	49.47	34045.25	284	1702.26
1121	MB-82	140	((4.75+0.80)/2)*1.50	4.16	582.75	49.47	28828.64	240	1441.43
1122	MB-83	140	((4.75+0.80)/2)*1.50	4.16	582.75	49.47	28828.64	240	1441.43
1123	MB-84	200	((4.75+0.80)/2)*1.55	430	860.25	49.47	42556.57	355	2127.83
1128	MB-85	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
1214	MB-86	240	((4.75+0.80)/2)*1.55	430	1032.30	49.47	51067.88	426	2553.39
1216	MB-88	240	((4.75+0.80)/2)*1.55	430	1032.30	49.47	51067.88	426	2553.39
1213	MB-89	140	((4.75+0.80)/2)*1.55	430	602.18	49.47	29789.60	248	1489.48
1212	MB-90	160	((4.75+0.80)/2)*1.55	430	688.20	49.47	34045.25	284	1702.26
			TOTAL		20784.75		1028221.58	8569	51411.08
Name of Village	**Newly basa**								
122	SB-26	120	((4.45+0.6)/2)*1.28	323	387.84	49.47	19186.44	160	1918.64
113	SB-27	200	((4.45+0.6)/2)*1.28	323	646.40	49.47	31977.41	266	3197.74
112	SB-28	240	((4.45+0.6)/2)*1.28	323	775.68	49.47	38372.89	320	3837.29
125	SB-29	200	((4.45+0.6)/2)*1.28	323	646.40	49.47	31977.41	266	3197.74

137	SB-30	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
132	SB-31	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
811	SB-32	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
134	SB-33	260	((4.80+0.6)/2)*1.40	3.78	982.80	49.47	48619.12	405	4861.91
787	SB-37	240	((4.80+0.6)/2)*1.40	3.78	907.20	49.47	44879.18	374	4487.92
789	SB-39	200	((4.80+0.6)/2)*1.40	3.78	756.00	49.47	37399.32	312	3739.93
805	SB-40	240	((4.80+0.6)/2)*1.40	3.78	907.20	49.47	44879.18	374	4487.92
811	SB-41	260	((4.80+0.6)/2)*1.40	3.78	982.80	49.47	48619.12	405	4861.91
806	SB-42	210	((4.80+0.6)/2)*1.40	3.78	793.80	49.47	39269.29	327	3926.93
808	SB-43	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
813	SB-44	180	((4.80+0.6)/2)*1.40	3.78	680.40	49.47	33659.39	280	3365.94
803	SB-45	150	((4.80+0.6)/2)*1.40	3.78	567.00	49.47	28049.49	234	2804.95
800	SB-46	120	((4.45+0.6)/2)*1.28	3.23	387.84	49.47	19186.44	160	1918.64
816	SB-47	150	((4.45+0.6)/2)*1.28	3.23	484.80	49.47	23983.06	200	2398.31
798	SB-48	180	((4.80+0.6)/2)*1.40	3.78	680.40	49.47	33659.39	280	3365.94
378	SB-50	200	((4.80+0.6)/2)*1.40	3.78	756.00	49.47	37399.32	312	3739.93
			TOTAL		14186.72		701817.04	5848	70181.70
Name of Village	**Newly basa**								
1100	WHB-1	100	((12.0+1.50)/2)*2.50	16.88	1687.50	52.03	87800.63	732	4390.03
1053	WHB-2	120	((12.0+2.00)/2)*2.80	19.60	2352.00	52.03	122374.56	1020	6118.73
1124	WHB-3	100	((12.0+2.00)/2)*2.60	18.20	1820.00	52.03	94694.60	789	4734.73
776	WHB-4	100	((12.0+1.50)/2)*2.50	16.88	1687.50	52.03	87800.63	732	4390.03
			TOTAL		7547.00		392670.41	3272	19633.52
Name of Village	**Newly basa**								
599	ECD-1	100	((12+02)/2)*2.5	17.500	1750.00	52.03	91052.50	759	
898	ECD-2	90	((12+02)/2)*2.5	17.500	1575.00	52.03	81947.25	683	
640	ECD-3	80	((12+02)/2)*2.5	17.500	1400.00	52.03	72842.00	607	
614	ECD-4	100	((12+1.5)/2)*2.5	16.875	1687.50	52.03	87800.63	732	
620	ECD-5	80	((12+02)/2)*2.5	17.500	1400.00	52.03	72842.00	607	
622	ECD-6	120	((12+02)/2)*2.5	17.500	2100.00	52.03	109263.00	911	
629	ECD-7	100	((12+1.5)/2)*2.5	16.875	1687.50	52.03	87800.63	732	

601	ECD-8	100	((12+1.5)/2)*2.5	16.875	1687.50	52.03	87800.63	732	
623	ECD-9	80	((12+1.5)/2)*2.5	16.875	1350.00	52.03	70240.50	585	
600	ECD-10	100	((12+1.5)/2)*2.5	16.875	1687.50	52.03	87800.63	732	
			TOTAL		16325.00		849389.75	7078	
	Name of Village	**Lodhipura**							
830	MB-37	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
829	MB-38	110	((4.75+0.80)/2)*1.50	4.16	457.88	49.47	22651.08	189	1132.55
827	MB-39	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
826	MB-40	150	((4.75+0.80)/2)*1.55	4.30	645.19	49.47	31917.43	266	1595.87
969	MB-41	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
968	MB-42	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
967	MB-43	120	((4.75+0.80)/2)*1.55	4.30	516.15	49.47	25533.94	213	1276.70
971	MB-44	280	((4.75+0.80)/2)*1.55	4.30	1204.35	49.47	59579.19	496	2978.96
982	MB-45	120	((4.75+0.80)/2)*1.50	4.16	499.50	49.47	24710.27	206	1235.51
983	MB-46	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
970	MB-47	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
956	MB-48	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
988	MB-49	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
954	MB-50	160	((4.75+0.80)/2)*1.50	4.16	666.00	49.47	32947.02	275	1647.35
993	MB-51	160	((4.75+0.80)/2)*1.50	4.16	666.00	49.47	32947.02	275	1647.35
994	MB-52	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
953	MB-53	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
935	MB-54	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
957	MB-55	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
913	MB-56	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
910	MB-57	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
926	MB-58	180	((4.75+0.80)/2)*1.50	4.16	749.25	49.47	37065.40	309	1853.27
996	MB-59	250	((4.75+0.80)/2)*1.55	4.30	1075.31	49.47	53195.71	443	2659.79
914	MB-60	250	((4.75+0.80)/2)*1.55	4.30	1075.31	49.47	53195.71	443	2659.79
971	MB-61	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
			TOTAL-		19742.74		976673.22	8139	48833.66

	Nameof Village	**Danda**							
714	MB-4	200	((4.75+0.80)/2)*1.55	430	860.25	49.47	42556.57	355	2127.83
713	MB-5	200	((4.75+0.80)/2)*1.55	430	860.25	49.47	42556.57	355	2127.83
719	MB-9	100	((4.75+0.80)/2)*1.55	430	430.13	49.47	21278.28	177	1063.91
718	MB-14	100	((4.75+0.80)/2)*1.55	430	430.13	49.47	21278.28	177	1063.91
739	MB-16	150	((4.75+0.80)/2)*1.50	4.16	624.38	49.47	30887.83	257	1544.39
743	MB-17	200	((4.75+0.80)/2)*1.55	430	860.25	49.47	42556.57	355	2127.83
742	MB-18	200	((4.75+0.80)/2)*1.55	430	860.25	49.47	42556.57	355	2127.83
744	MB-19	200	((4.75+0.80)/2)*1.55	430	860.25	49.47	42556.57	355	2127.83
850	MB-20	220	((4.75+0.80)/2)*1.55	430	946.28	49.47	46812.22	390	2340.61
748	MB-21	200	((4.75+0.80)/2)*1.55	430	860.25	49.47	42556.57	355	2127.83
746	MB-22	200	((4.75+0.80)/2)*1.55	430	860.25	49.47	42556.57	355	2127.83
745	MB-23	200	((4.75+0.80)/2)*1.55	430	860.25	49.47	42556.57	355	2127.83
749	MB-24	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
891	MB-25	500	((4.75+0.80)/2)*1.55	430	2150.63	49.47	106391.42	887	5319.57
890	MB-26	80	((4.75+0.80)/2)*1.55	430	344.10	49.47	17022.63	142	851.13
896	MB-27	110	((4.75+0.80)/2)*1.55	430	473.14	49.47	23406.11	195	1170.31
882	MB-28	140	((4.75+0.80)/2)*1.55	430	602.18	49.47	29789.60	248	1489.48
881	MB-29	110	((4.75+0.80)/2)*1.55	430	473.14	49.47	23406.11	195	1170.31
869	MB-30	100	((4.75+0.80)/2)*1.55	430	430.13	49.47	21278.28	177	1063.91
860	MB-31	130	((4.75+0.80)/2)*1.55	430	559.16	49.47	27661.77	231	1383.09
338	MB-32	120	((4.75+0.80)/2)*1.50	4.16	499.50	49.47	24710.27	206	1235.51
837	MB-33	140	((4.75+0.80)/2)*1.55	430	602.18	49.47	29789.60	248	1489.48
830	MB-34	120	((4.75+0.80)/2)*1.55	430	516.15	49.47	25533.94	213	1276.70
831	MB-35	120	((4.75+0.80)/2)*1.55	430	516.15	49.47	25533.94	213	1276.70
893	MB-36	180	((4.75+0.80)/2)*1.55	430	774.23	49.47	38300.91	319	1915.05
			TOTAL-		18169.31		898835.89	7490	44941.79
	Nameof Village	**Basariya**							
702	MB-1	250	((4.75+0.80)/2)*1.50	4.16	1040.63	49.47	51479.72	429	2573.99
703	MB-2	210	((4.75+0.80)/2)*1.55	430	903.26	49.47	44684.40	372	2234.22

704	MB-3	150	((4.75+0.80)/2)*1.55	4.30	645.19	49.47	31917.43	266	1595.87
708	MB-6	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
709	MB-7	210	((4.75+0.80)/2)*1.55	4.30	903.26	49.47	44684.40	372	2234.22
726	MB-8	120	((4.75+0.80)/2)*1.50	4.16	499.50	49.47	24710.27	206	1235.51
712	MB-10	150	((4.75+0.80)/2)*1.55	4.30	645.19	49.47	31917.43	266	1595.87
711	MB-11	140	((4.75+0.80)/2)*1.55	4.30	602.18	49.47	29789.60	248	1489.48
722	MB-12	140	((4.75+0.80)/2)*1.55	4.30	602.18	49.47	29789.60	248	1489.48
724	MB-13	150	((4.75+0.80)/2)*1.55	4.30	645.19	49.47	31917.43	266	1595.87
730	MB-15	170	((4.75+0.80)/2)*1.55	4.30	731.21	49.47	36173.08	301	1808.65
			TOTAL-		8078.03		399619.90	3330	19980.99
	Name of Village	**Basariya**							
700	PB-1	400	((4.70+0.50)/2)*1.40	3.64	1456.00	49.47	72028.32	600	3601.42
688	PB-2	700	((4.70+0.50)/2)*1.40	3.64	2548.00	49.47	126049.56	1050	6302.48
699	PB-3	400	((4.70+0.50)/2)*1.40	3.64	1456.00	49.47	72028.32	600	3601.42
776	PB-4	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
729	PB-5	800	((4.70+0.50)/2)*1.40	3.64	2912.00	49.47	144056.64	1200	7202.83
649	PB-6	900	((4.70+0.50)/2)*1.40	3.64	3276.00	49.47	162063.72	1351	8103.19
			TOTAL-		13468.00		666261.96	5552	33313.10
	Name of Village	**Basariya**							
168	SB-1	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
328	SB-2	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
327	SB-3	270	((4.45+0.6)/2)*1.28	3.23	872.64	49.47	43169.50	360	4316.95
338	SB-4	160	((4.45+0.6)/2)*1.28	3.23	517.12	49.47	25581.93	213	2558.19
339	SB-5	170	((4.45+0.6)/2)*1.28	3.23	549.44	49.47	27180.80	227	2718.08
340	SB-6	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
342	SB-7	170	((4.45+0.6)/2)*1.28	3.23	549.44	49.47	27180.80	227	2718.08
337	SB-8	170	((4.45+0.6)/2)*1.28	3.23	549.44	49.47	27180.80	227	2718.08
353	SB-9	160	((4.45+0.6)/2)*1.28	3.23	517.12	49.47	25581.93	213	2558.19
356	SB-10	140	((4.45+0.6)/2)*1.28	3.23	452.48	49.47	22384.19	187	2238.42
390	SB-11	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
393	SB-12	150	((4.45+0.6)/2)*1.28	3.23	484.80	49.47	23983.06	200	2398.31

398	SB-13	150	((4.45+0.6)/2)*1.28	323	484.80	49.47	23983.06	200	2398.31
403	SB-14	150	((4.45+0.6)/2)*1.28	323	484.80	49.47	23983.06	200	2398.31
405	SB-15	150	((4.45+0.6)/2)*1.28	323	484.80	49.47	23983.06	200	2398.31
314	SB-16	100	((4.45+0.6)/2)*1.28	323	323.20	49.47	15988.70	133	1598.87
332	SB-17	140	((4.45+0.6)/2)*1.28	323	452.48	49.47	22384.19	187	2238.42
331	SB-18	140	((4.45+0.6)/2)*1.28	323	452.48	49.47	22384.19	187	2238.42
120	SB-19	130	((4.45+0.6)/2)*1.28	323	420.16	49.47	20785.32	173	2078.53
121	SB-20	170	((4.45+0.6)/2)*1.28	323	549.44	49.47	27180.80	227	2718.08
114	SB-21	200	((4.45+0.6)/2)*1.28	323	646.40	49.47	31977.41	266	3197.74
118	SB-22	160	((4.45+0.6)/2)*1.28	323	517.12	49.47	25581.93	213	2558.19
116	SB-23	200	((4.45+0.6)/2)*1.28	323	646.40	49.47	31977.41	266	3197.74
110	SB-25	220	((4.45+0.6)/2)*1.28	323	711.04	49.47	35175.15	293	3517.51
385	SB-54	240	((4.45+0.6)/2)*1.28	323	775.68	49.47	38372.89	320	3837.29
393	SB-52	180	((4.45+0.6)/2)*1.28	323	581.76	49.47	28779.67	240	2877.97
365	SB-53	180	((4.45+0.6)/2)*1.28	323	581.76	49.47	28779.67	240	2877.97
380	SB-51	220	((4.45+0.6)/2)*1.28	323	711.04	49.47	35175.15	293	3517.51
463	SB-71	200	((4.45+0.6)/2)*1.28	323	646.40	49.47	31977.41	266	3197.74
458	SB-72	220	((4.45+0.6)/2)*1.28	323	711.04	49.47	35175.15	293	3517.51
482	SB-73	200	((4.45+0.6)/2)*1.28	323	646.40	49.47	31977.41	266	3197.74
457	SB-74	120	((4.45+0.6)/2)*1.28	323	387.84	49.47	19186.44	160	1918.64
454	SB-66	160	((4.45+0.6)/2)*1.28	323	517.12	49.47	25581.93	213	2558.19
451	SB-67	150	((4.45+0.6)/2)*1.28	323	484.80	49.47	23983.06	200	2398.31
460	SB-60	100	((4.45+0.6)/2)*1.28	323	323.20	49.47	15988.70	133	1598.87
444	SB-61	240	((4.45+0.6)/2)*1.28	323	775.68	49.47	38372.89	320	3837.29
438	SB-62	150	((4.45+0.6)/2)*1.28	323	484.80	49.47	23983.06	200	2398.31
419	SB-64	150	((4.45+0.6)/2)*1.28	323	484.80	49.47	23983.06	200	2398.31
434	SB-63	100	((4.45+0.6)/2)*1.28	323	323.20	49.47	15988.70	133	1598.87
580	SB-74	240	((4.45+0.6)/2)*1.28	323	775.68	49.47	38372.89	320	3837.29
482	SB-75	450	((4.45+0.6)/2)*1.28	323	1454.40	49.47	71949.17	600	7194.92
485	SB-76	200	((4.45+0.6)/2)*1.28	323	646.40	49.47	31977.41	266	3197.74
477	SB-77	200	((4.45+0.6)/2)*1.28	323	646.40	49.47	31977.41	266	3197.74

481	SB-79	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
583	SB-78	160	((4.45+0.6)/2)*1.28	3.23	517.12	49.47	25581.93	213	2558.19
588	SB-80	250	((4.45+0.6)/2)*1.28	3.23	808.00	49.47	39971.76	333	3997.18
			TOTAL-		27375.04		1354243.23	11285	135424.32
	Name of Village	**Basariya**							
700	CD-1	80	((12.45+1.25)/2)*2.8	19.180	1534.40	52.03	79834.83	665	
578	CD-2	60	((15.50+1.5)/2)*3.5	29.750	1785.00	52.03	92873.55	774	
703	CD-3	90	((15.50+1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	
699	CD-4	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
776	CD-5	60	((15.50+1.5)/2)*3.5	29.750	1785.00	52.03	92873.55	774	
			TOTAL-		10161.90		528723.66	4406	

	Newly basa	
	QTY	COST
CB	23724.45	999036.59
MB	20784.75	1028221.58
SB	14186.72	701817.04
WHB	7547.00	392670.41
ECD	16325.00	849389.75
	82567.92	**3971135.37**
LODHI PURA		
	QTY	COST
MB	19742.74	976673.22
	Danda	
	QTY	COST
MB	18169.31	898835.89
	Basariya	
MB	8078.03	399619.90
PB	13468.00	666261.96

SB	27375.04	1354243.23
CD	10161.90	528723.66
	59082.97	**2948848.74**
GT	**179562.94**	**8795493.23**
	MWS	
CB	23724.45	999036.59
MB	66774.83	3303350.59
PB	13468.00	666261.96
SB	41561.76	2056060.27
WHB	7547.00	392670.41
ECD	16325.000	849389.750
CD	10161.90	528723.66
	179562.94	**8795493.23**

Name of MWS		**Khandaut**			**Name of Gram Panchayat**			**Khandaut**		
		Name of Village	**Kadoura,**							
1	167	**CB-11**	180	((3.50+0.55)/2)*1	2.03	364.50	42.11	15349.10	128	767.45
2	248	**CB-13**	160	((3.50+0.50)/2)*1	2.00	320.00	42.11	13475.20	112	673.76
3	249	**CB-37**	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
4	250	**CB-38**	200	((3.50+0.50)/2)*0.9	1.80	360.00	42.11	15159.60	126	757.98
5	168	**CB-42**	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
6	165	**CB-43**	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
7	164	**CB-44**	180	((3.50+0.55)/2)*1	2.03	364.50	42.11	15349.10	128	767.45
8	177	**CB-46**	220	((3.50+0.50)/2)*0.9	1.80	396.00	42.11	16675.56	139	833.78
9	163	**CB-48**	220	((2.85+0.45)/2)*0.80	1.32	290.40	42.11	12228.74	102	611.44
10	204	**CB-51**	210	((3.50+0.50)/2)*0.90	1.80	378.00	42.11	15917.58	133	795.88
11	235	**CB-52**	180	((3.50+0.55)/2)*1	2.03	364.50	42.11	15349.10	128	767.45
12	233	**CB-53**	160	((3.50+0.50)/2)*0.9	1.80	288.00	42.11	12127.68	101	606.38
13	237	**CB-54**	240	((2.85+0.45)/2)*0.80	1.32	316.80	42.11	13340.45	111	667.02

14	217	**CB-58**	240	((3.50+0.50)/2)*0.90	1.80	432.00	42.11	18191.52	152	909.58
				TOTAL		5084.70		214116.72	1784	10705.84
		Name of Village	Kadoura,							
1	191	**SB-9**	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
2	232	**SB-10**	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
3	196	**SB-11**	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
				TOTAL		1200.00		50532.00		
	Name of Village	Khandaut								
1	364	**CB-1**	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
2	251	**CB-3**	210	((3.50+0.50)/2)*0.9	1.80	378.00	42.11	15917.58	133	795.88
3	252	**CB-4**	220	((2.85+0.45)/2)*0.80	1.32	290.40	42.11	12228.74	102	611.44
4	273	**CB-5**	200	((3.50+0.50)/2)*0.90	1.80	360.00	42.11	15159.60	126	757.98
5	267	**CB-8**	180	((3.50+0.55)/2)*1	2.03	364.50	42.11	15349.10	128	767.45
6	266	**CB-9**	160	((3.50+0.50)/2)*0.9	1.80	288.00	42.11	12127.68	101	606.38
7	20	**CB-10**	240	((2.85+0.45)/2)*0.80	1.32	316.80	42.11	13340.45	111	667.02
8	306	**CB-14**	220	((3.50+0.50)/2)*0.90	1.80	396.00	42.11	16675.56	139	833.78
9	309	**CB-15**	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
10	312	**CB-16**	200	((3.50+0.50)/2)*0.9	1.80	360.00	42.11	15159.60	126	757.98
11	302	**CB-17**	240	((2.85+0.45)/2)*0.80	1.32	316.80	42.11	13340.45	111	667.02
12	518	**CB-18**	240	((3.50+0.50)/2)*0.90	1.80	432.00	42.11	18191.52	152	909.58
13	514	**CB-19**	260	((3.50+0.55)/2)*1	2.03	526.50	42.11	22170.92	185	1108.55
14	512	**CB-20**	180	((3.50+0.50)/2)*0.9	1.80	324.00	42.11	13643.64	114	682.18
15	505	**CB-21**	200	((2.85+0.45)/2)*0.80	1.32	264.00	42.11	11117.04	93	555.85
16	506	**CB-22**	140	((3.50+0.50)/2)*0.90	1.80	252.00	42.11	10611.72	88	530.59
17	418	**CB-23**	160	((3.50+0.55)/2)*1	2.03	324.00	42.11	13643.64	114	682.18
18	417	**CB-24**	180	((3.50+0.50)/2)*0.9	1.80	324.00	42.11	13643.64	114	682.18
19	416	**CB-25**	160	((2.85+0.45)/2)*0.80	1.32	211.20	42.11	8893.63	74	444.68
20	416	**CB-26**	120	((3.50+0.50)/2)*0.90	1.80	216.00	42.11	9095.76	76	454.79
21	415	**CB-27**	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
22	419	**CB-28**	200	((3.50+0.50)/2)*0.9	1.80	360.00	42.11	15159.60	126	757.98

23	520	**CB-29**	200	((2.85+0.45)/2)*0.80	1.32	264.00	42.11	11117.04	93	555.85
24	402	**CB-30**	210	((3.50+0.50)/2)*0.90	1.80	378.00	42.11	15917.58	133	795.88
25	441	**CB-31**	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
26	969	**CB-32**	260	((3.50+0.50)/2)*0.9	1.80	468.00	42.11	19707.48	164	985.37
27	958	**CB-33**	210	((2.85+0.45)/2)*0.80	1.32	277.20	42.11	11672.89	97	583.64
28	258	**CB-34**	180	((3.50+0.50)/2)*0.90	1.80	324.00	42.11	13643.64	114	682.18
29	285	**CB-35**	140	((3.50+0.55)/2)*1	2.03	283.50	42.11	11938.19	99	596.91
30	283	**CB-36**	200	((3.50+0.50)/2)*0.9	1.80	360.00	42.11	15159.60	126	757.98
31	288	**CB-37**	240	((2.85+0.45)/2)*0.80	1.32	316.80	42.11	13340.45	111	667.02
32	480	**CB-38**	220	((3.50+0.50)/2)*0.90	1.80	396.00	42.11	16675.56	139	833.78
33	485	**CB-40**	260	((3.50+0.55)/2)*1	2.03	526.50	42.11	22170.92	185	1108.55
34	739	**CB-41**	280	((3.50+0.50)/2)*0.9	1.80	504.00	42.11	21223.44	177	1061.17
35	760	**CB-42**	240	((2.85+0.45)/2)*0.80	1.32	316.80	42.11	13340.45	111	667.02
				TOTAL		1246050		524711.66	4373	26235.58
	Nameof Village	Khandaut								
1	770	**MB-1**	300	((4.75+0.80)/2)*1.50	4.16	1248.75	49.47	61775.66	515	3088.78
2	780	**MB-2**	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
3	477	**MB-3**	280	((4.75+0.80)/2)*1.55	4.30	1204.35	49.47	59579.19	496	2978.96
4	476	**MB-4**	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
5	500	**MB-5**	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
6	496	**MB-6**	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
7	460	**MB-7**	320	((4.75+0.80)/2)*1.55	4.30	1376.40	49.47	68090.51	567	3404.53
8	478	**MB-10**	340	((4.75+0.80)/2)*1.55	4.30	1462.43	49.47	72346.16	603	3617.31
9	335	**MB-11**	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
10	364	**MB-12**	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
11	757	**MB-13**	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
12	776	**MB-14**	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
13	321	**MB-15**	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
14	779	**MB-16**	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
15	277	**MB-17**	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
16	279	**MB-18**	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61

17	270	**MB-19**	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
18	278	**MB-20**	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
19	273	**MB-21**	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
20	778	**MB-22**	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
				TOTAL		20249.18		1001726.69	8348	50086.33
	Nameof Village Khandaut									
1	326	**PB-1**	400	((4.70+0.50)/2)*1.35	3.51	1404.00	49.47	69455.88	579	3472.79
2	328	**PB-2**	300	((4.70+0.50)/2)*1.40	3.64	1092.00	49.47	54021.24	450	2701.06
3	333	**PB-3**	500	((4.70+0.50)/2)*1.30	3.38	1690.00	49.47	83604.30	697	4180.22
4	314	**PB-4**	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
5	311	**PB-5**	700	((4.70+0.50)/2)*1.40	3.64	2548.00	49.47	126049.56	1050	6302.48
6	271	**PB-7**	600	((4.70+0.50)/2)*1.32	3.43	2059.20	49.47	101868.62	849	5093.43
				TOTAL		10977.20		543042.08	4525	27152.10
	Nameof Village Khandaut									
1	774	**SB-1**	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
2	734	**SB-2**	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
3	362	**SB-3**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
4	336	**SB-4**	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
5	215	**SB-5**	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
6	465	**SB-6**	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
7	445	**SB-7**	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
8	237	**SB-12**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
9	238	**SB-13**	320	((4.45+0.6)/2)*1.28	3.23	1034.24	49.47	51163.85	426	5116.39
10	953	**SB-14**	280	((4.45+0.6)/2)*1.28	3.23	904.96	49.47	44768.37	373	4476.84
11	240	**SB-15**	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
12	398	**SB-16**	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
13	400	**SB-17**	340	((4.45+0.6)/2)*1.28	3.23	1098.88	49.47	54361.59	453	5436.16
14	442	**SB-18**	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
15	435	**SB-19**	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
						14608.64		722689.42	6022	72268.94

	Nameof Village Khandaut									
1	958	**WHB-1**	100	((12.0+1.50)/2)*2.50	16.88	1687.50	52.03	87800.63	732	4390.03
2	953	**WHB-2**	80	((12.0+2.00)/2)*2.80	19.60	1568.00	52.03	81583.04	680	4079.15
				TOTAL		3255.50		169383.67		
	Nameof Village Khandaut									
1	398	**ECD-11**	80	((12+02)/2)*2.5	17.500	1400.00	52.03	72842.00	607	
2	502	**ECD-12**	80	((12+02)/2)*2.3	16.100	1288.00	52.03	67014.64	558	
3	306	**ECD-13**	90	((12+02)/2)*2	14.000	1260.00	52.03	65557.80	546	
4	220	**ECD-14**	70	((12+1.5)/2)*2.5	16.875	1181.25	52.03	61460.44	512	
5	766	**ECD-15**	80	((12+02)/2)*2.3	16.100	1288.00	52.03	67014.64	558	
				TOTAL		6417.25		333889.52	2782	
	Nameof Village Khandaut									
1	328	**CD-1**	60	((12.45+1.25)/2)*2.8	19.180	1150.80	52.03	59876.12	499	
2	324	**CD-2**	70	((15.50+1.5)/2)*3.5	29.750	2082.50	52.03	108352.48	903	
3	312	**CD-3**	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
4	309	**CD-4**	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
5	266	**CD-5**	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
6	283	**CD-8**	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
				TOTAL		12753.30		663554.20	5530	
	Nameof Village Harsundi									
1	319	**MB-26**	300	((4.75+0.80)/2)*1.50	4.16	1248.75	49.47	61775.66	515	3088.78
2	315	**MB-27**	320	((4.75+0.80)/2)*1.50	4.16	1332.00	49.47	65894.04	549	3294.70
3	323	**MB-28**	340	((4.75+0.80)/2)*1.55	4.30	1462.43	49.47	72346.16	603	3617.31
4	148	**MB-29**	320	((4.75+0.80)/2)*1.55	4.30	1376.40	49.47	68090.51	567	3404.53
5	279	**MB-30**	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
6	297	**MB-23**	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
7	294	**MB-24**	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
8	293	**MB-25**	280	((4.75+0.80)/2)*1.55	4.30	1204.35	49.47	59579.19	496	2978.96
				TOTAL		9806.85		485144.87	4043	24257.24

	Nameof Village Harsundi									
1	404	**PB-9**	500	((4.70+0.50)/2)*1.35	3.51	1755.00	49.47	86819.85	723	4340.99
2	335	**PB-11**	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
3	375	**PB-12**	700	((4.70+0.50)/2)*1.30	3.38	2366.00	49.47	117046.02	975	5852.30
4	345	**PB-13**	800	((4.70+0.50)/2)*1.40	3.64	2912.00	49.47	144056.64	1200	7202.83
5	346	**PB-14**	900	((4.70+0.50)/2)*1.40	3.64	3276.00	49.47	162063.72	1351	8103.19
6	370	**PB-15**	500	((4.70+0.50)/2)*1.32	3.43	1716.00	49.47	84890.52	707	4244.53
7	567	**PB-16**	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
8	565	**PB-17**	400	((4.70+0.50)/2)*1.35	3.51	1404.00	49.47	69455.88	579	3472.79
9	348	**PB-18**	500	((4.70+0.50)/2)*1.32	3.43	1716.00	49.47	84890.52	707	4244.53
10	397	**PB-19**	300	((4.70+0.50)/2)*1.32	3.43	1029.60	49.47	50934.31	424	2546.72
				TOTAL		20542.60		1016242.42	8469	50812.12
	Nameof Village Harsundi									
1	590	**WHB-3**	100	((12.0+1.50)/2)*2.40	16.20	1620.00	52.03	84288.60	702	4214.43
2	335	**WHB-4**	90	((12.0+2.00)/2)*2.80	19.60	1764.00	52.03	91780.92	765	4589.05
3	377	**WHB-5**	80	((12.0+2.00)/2)*2.60	18.20	1456.00	52.03	75755.68	631	3787.78
4	958	**WHB-6**	80	((12.0+1.50)/2)*2.50	16.88	1350.00	52.03	70240.50	585	3512.03
5	958	**WHB-7**	80	((12.0+1.50)/2)*2.50	16.88	1350.00	52.03	70240.50	585	3512.03
6	419	**WHB-8**	90	((12.0+2.00)/2)*2.80	19.60	1764.00	52.03	91780.92	765	4589.05
7	959	**WHB-9**	70	((12.0+2.00)/2)*2.60	18.20	1274.00	52.03	66286.22	552	3314.31
8	956	**WHB-10**	50	((12.0+2.00)/2)*2.60	18.20	910.00	52.03	47347.30	395	2367.37
				TOTAL		11488.00		597720.64	4981	29886.03
	Nameof Village Harsundi									
1	348	**ECD-1**	80	((12+02)/2)*2.5	17.500	1400.00	52.03	72842.00	607	
2	346	**ECD-2**	90	((12+02)/2)*2.3	16.100	1449.00	52.03	75391.47	628	
3	675	**ECD-3**	80	((12+02)/2)*2	14.000	1120.00	52.03	58273.60	486	
4	333	**ECD-4**	70	((12+1.5)/2)*2.5	16.875	1181.25	52.03	61460.44	512	
5	352	**ECD-6**	80	((12+02)/2)*2.3	16.100	1288.00	52.03	67014.64	558	
6	346	**ECD-8**	90	((12+02)/2)*2	14.000	1260.00	52.03	65557.80	546	
7	356	**ECD-9**	80	((12+1.5)/2)*2.5	16.875	1350.00	52.03	70240.50	585	

			TOTAL		904825	470780.45	3923	

	Kadoura,	
	QTY	COST
CB	5084.70	214116.72
SB	1200.00	50532.00
	6284.70	**264648.72**
	Khandaut	
	QTY	COST
CB	12460.50	524711.66
MB	20249.18	1001726.69
PB	10977.20	543042.08
SB	14608.64	722689.42
WHB	3255.50	169383.67
ECD	6417.25	333889.52
CD	12753.30	663554.20
	80721.57	**3958997.23**
	Harsundi	
	QTY	COST
MB	9806.85	485144.87
PB	20542.60	1016242.42
WHB	11488.00	597720.64
ECD	9048.25	470780.45
	50885.70	**2569888.38**
GT	**137891.97**	**6793534.32**
	MWS	
	QTY	**COST**
CB	17545.20	738828.37
MB	30056.03	1486871.56
PB	31519.80	1559284.51

SB	15808.64	773221.42
WHB	14743.500	767104.305
ECD	15465.50	804669.97
CD	12753.30	663554.20
	137891.97	**6793534.32**

Name of MWS		Mamna			Name of Gram Panchayat			Mamna		
										Mahrajpur
S.No.	Khasara No	Name of Activity	Length (M)							
1	1564	CB-19	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
2	315	CB-20	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
3	314	CB-21	200	((2.85+0.45)/2)*0.80	1.32	264.00	42.11	11117.04	93	555.85
4	312	CB-22	300	((3.50+0.55)/2)*1	2.03	607.50	42.11	25581.83	213	1279.09
5	311	CB-23	400	((3.50+0.50)/2)*1	2.00	800.00	42.11	33688.00	281	1684.40
6	326	CB-24	320	((3.50+0.50)/2)*1	2.00	640.00	42.11	26950.40	225	1347.52
7	382	CB-26	260	((3.50+0.50)/2)*1	2.00	520.00	42.11	21897.20	182	1094.86
8	283	CB-27	240	((3.50+0.45)/2)*0.90	1.78	426.60	42.11	17964.13	150	898.21
9	298	CB-28	250	((3.50+0.55)/2)*1	2.03	506.25	42.11	21318.19	178	1065.91
10	396	CB-29	260	((3.50+0.50)/2)*1	2.00	520.00	42.11	21897.20	182	1094.86
11	284	CB-30	260	((3.50+0.50)/2)*1	2.00	520.00	42.11	21897.20	182	1094.86
12	134	CB-36	270	((3.50+0.45)/2)*0.90	1.78	479.93	42.11	20209.64	168	1010.48
						612428		257893.22	2149	12894.66
1	132	MB- 11	300	((4.75+0.80)/2)*1.55	4.30	129038	49.47	63834.85	532	3191.74
2	135	MB-16	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
3	134	MB-17	240	((4.75+0.80)/2)*1.55	4.30	103230	49.47	51067.88	426	2553.39
4	150	MB-18	240	((4.75+0.80)/2)*1.55	4.30	103230	49.47	51067.88	426	2553.39
5	149	MB-19	240	((4.75+0.80)/2)*1.55	4.30	103230	49.47	51067.88	426	2553.39
6	148	MB-20	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61

7	147	MB-21	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
8	159	MB-22	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
9	158	MB-23	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
10	157	MB-24	180	((4.75+0.80)/2)*1.45	4.02	724.28	49.47	35829.88	299	1791.49
11	156	MB-25	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
12	153	MB-26	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
13	154	MB-27	140	((4.75+0.80)/2)*1.55	4.30	602.18	49.47	29789.60	248	1489.48
14	278	MB- 31	190	((4.75+0.80)/2)*1.55	4.30	817.24	49.47	40428.74	337	2021.44
15	328	MB- 32	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
16	271	MB- 34	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
17	9	MB- 35	220	((4.75+0.80)/2)*1.48	4.11	903.54	49.47	44698.12	372	2234.91
						15143.45		749146.60	6243	37457.33
1	261	PB- 1	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
2	290	PB- 2	400	((4.70+0.50)/2)*1.40	3.64	1456.00	49.47	72028.32	600	3601.42
3	266/2	PB- 4	600	((4.70+0.50)/2)*1.30	3.38	2028.00	49.47	100325.16	836	5016.26
4	139	PB- 6	700	((4.70+0.53)/2)*1.40	3.66	2562.70	49.47	126776.77	1056	6338.84
5	141	PB- 7	800	((4.70+0.50)/2)*1.40	3.64	2912.00	49.47	144056.64	1200	7202.83
6	139	PB - 10	700	((4.70+0.50)/2)*1.35	3.51	2457.00	49.47	121547.79	1013	6077.39
7	146	PB - 12	800	((4.70+0.50)/2)*1.40	3.64	2912.00	49.47	144056.64	1200	7202.83
8	266/1	PB - 13	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
9	264	PB - 14	400	((4.70+0.50)/2)*1.38	3.59	1435.20	49.47	70999.34	592	3549.97
						19766.90		977868.54	8149	48893.43
1	1608	SB - 27	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
2	1581	SB - 29	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
3	1580	SB - 30	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
4	1574	SB - 31	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
5	1573	SB - 32	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
6	1572	SB - 33	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
						5494.40		271807.97	2265	27180.80
		Mahrajpur								
1	257	WHB- 1	100	((12.0+2.00)/2)*2.60	18.20	1820.00	52.03	94694.60	789	4734.73

2	3	WHB - 6	90	((12.0+1.50)/2)*2.50	16.88	1518.75	52.03	79020.56	659	3951.03
3	267	WHB - 7	80	((12.0+2.00)/2)*2.60	18.20	1456.00	52.03	75755.68	631	3787.78
4	166	WHB - 8	70	((12.0+1.50)/2)*2.50	16.88	1181.25	52.03	61460.44	512	3073.02
						5976.00		310931.28	2591	15546.56
1	294	ECD - 1	60	((12+02)/2)*2.5	17.500	1050.00	52.03	54631.50	455	
2	257	ECD - 3	70	((12+02)/2)*2.5	17.500	1225.00	52.03	63736.75	531	
3	260	ECD - 4	80	((12+1 .5)/2)*2.5	16.875	1350.00	52.03	70240.50	585	
4	258	ECD - 5	90	((12+1 .5)/2)*2.5	16.875	1518.75	52.03	79020.56	659	
						5143.750		267629.31	2230.24	
1	161	CD - 1	50	((15.50 +1.5)/2)*3.5	29.750	1487.50	52.03	77394.63	645	
2	266/2	CD - 2	90	((15.50 +1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	
3	290	CD - 3	80	((15.50 +1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
4	264	CD - 4	90	((15.50 +1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	
						9222.50		479846.68	3999	
		Village-Mamna								
1		CB - 1	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
2		CB - 2	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
3		CB - 4	250	((3.50+0.45)/2)*1	1.98	493.75 1373.75	42.11	20791.81 57848.61	173	1039.59
		Village-Bilpur								
1	1636	CB - 3	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
2	128	CB - 5	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
3	1625	CB - 6	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
4	1709	CB - 7	260	((3.50+0.50)/2)*0.9	1.80	468.00	42.11	19707.48	164	985.37
5	1733	CB - 8	280	((3.50+0.55)/2)*1	2.03	567.00	42.11	23876.37	199	1193.82
6	1744	CB - 10	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
7	1599	CB - 11	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
8	1614	CB - 12	240	((3.50+0.50)/2)*0.9	1.80	432.00	42.11	18191.52	152	909.58
9	59	CB - 13	240	((2.85+0.45)/2)*0.80	1.32	316.80	42.11	13340.45	111	667.02
10	1558	CB - 14	220	((3.50+0.50)/2)*0.90	1.80	396.00	42.11	16675.56	139	833.78

11	1557	CB - 15	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
12	1555	CB - 16	220	((3.50+0.50)/2)*0.9	1.80	396.00	42.11	16675.56	139	833.78
13	1554	CB - 17	240	((2.85+0.45)/2)*0.80	1.32	316.80	42.11	13340.45	111	667.02
14	1562	CB - 18	240	((3.50+0.50)/2)*0.90	1.80	432.00	42.11	18191.52	152	909.58
15	1548	CB - 20	260	((2.85+0.45)/2)*0.80	1.32	343.20	42.11	14452.15	120	722.61
16	1436	CB - 32	240	((3.50+0.50)/2)*0.90	1.80	432.00	42.11	18191.52	152	909.58
17	1410	CB - 33	260	((3.50+0.55)/2)*1	2.03	526.50	42.11	22170.92	185	1108.55
18	1409	CB - 34	260	((3.50+0.50)/2)*0.9	1.80	468.00	42.11	19707.48	164	985.37
19	1430	CB - 37	200	((2.85+0.45)/2)*0.80	1.32	264.00	42.11	11117.04	93	555.85
20	1432	CB - 38	220	((3.50+0.50)/2)*0.90	1.80	396.00	42.11	16675.56	139	833.78
21	130	CB - 39	240	((3.50+0.50)/2)*0.90	1.80	432.00	42.11	18191.52	152	909.58
						8928.30		375970.71	3133	18798.54
1	1635	MB - 1	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
2	1627	MB - 2	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
3	1634	MB - 3	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
4	1633	MB - 4	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
5	1629	MB - 5	**180**	((4.75+0.80)/2)*1.50	4.16	749.25	49.47	37065.40	309	1853.27
6	1620	MB - 6	160	((4.75+0.80)/2)*1.50	4.16	666.00	49.47	32947.02	275	1647.35
7	1532	MB - 7	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
8	1530	MB - 8	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
9	1404	MB - 9	290	((4.75+0.80)/2)*1.50	4.16	1207.13	49.47	59716.47	498	2985.82
10	1410	MB - 10	290	((4.75+0.80)/2)*1.50	4.16	1207.13	49.47	59716.47	498	2985.82
11	137	MB - 14	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
						10569.98		522896.66	4357	26144.83
1	424	PB - 8	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
2	1413	PB - 9	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
						3640.00		180070.80		
1	1751	SB - 1	400	((4.45+0.6)/2)*1.20	3.03	1212.00	49.47	59957.64	500	5995.76
2	49	SB - 2	300	((4.45+0.6)/2)*1.25	3.16	946.88	49.47	46841.91	390	4684.19
3	1747	SB - 3	400	((4.45+0.6)/2)*1.30	3.28	1313.00	49.47	64954.11	541	6495.41
4	1746	SB - 4	340	((4.45+0.6)/2)*1.28	3.23	1098.88	49.47	54361.59	453	5436.16

5	1745	SB - 5	340	((4.45+0.6)/2)*1.28	3.23	1098.88	49.47	54361.59	453	5436.16
6	1737	SB - 6	360	((4.45+0.6)/2)*1.28	3.23	1163.52	49.47	57559.33	480	5755.93
7	1735	SB - 7	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
8	1714	SB - 8	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
9	1713	SB - 9	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
10	1629	SB - 10	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
11	1623	SB - 11	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
12	1624	SB - 12	600	((4.45+0.6)/2)*1.28	3.23	1939.20	49.47	95932.22	799	9593.22
13	46	SB - 13	700	((4.45+0.6)/2)*1.28	3.23	2262.40	49.47	111920.93	933	11192.09
14	124	SB - 14	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
15	1513	SB - 15	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
16	87	SB - 16	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
17	1539	SB - 17	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
18	1536	SB - 18	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
19	1535	SB - 19	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
20	1537	SB - 20	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
21	1521	SB - 21	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
22	1542	SB - 22	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
23	1619	SB - 23	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
24	1615	SB - 24	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
25	1616	SB - 25	280	((4.45+0.6)/2)*1.28	3.23	904.96	49.47	44768.37	373	4476.84
26	1612	SB - 26	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
27	1610	SB - 28	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
28	1424	SB - 34	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
29	1528	SB - 35	280	((4.45+0.6)/2)*1.28	3.23	904.96	49.47	44768.37	373	4476.84
30	1493	SB - 36	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
31	1452	SB - 37	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
32	1439	SB - 38	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
33	1438	SB - 39	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
34	1407	SB - 40	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
						36502.92		1805799.2	15048	180579.92

								1		
			Village-Bilpur							
1	1115	WHB- -3	80	((12.0+1.50)/2)*2.50	16.88	1350.00	52.03	70240.50	585	3512.03
2	1730	WHB- -4	90	((12.0+2.00)/2)*2.80	19.60	1764.00	52.03	91780.92	765	4589.05
3	1717	WHB- -5	80	((12.0+2.00)/2)*2.60	18.20	1456.00	52.03	75755.68	631	3787.78
						4570.00		237777.10		
1	1627	ECD - 7	50	((12+02)/2)*2.5	17.500	875.00	52.03	45526.25	379	
2	1596	ECD - 8	60	((12+02)/2)*2.5	17.500	1050.00	52.03	54631.50	455	
						1925.00		100157.75		
1	141	CD - 7	90	((15.50+1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	
2	424	CD - 8	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
						5057.50		263141.73		

GP	**Mamna**	
Village	Mahrajpur	
CB	6124.28	257893.22
MB	15143.45	749146.60
PB	19766.90	977868.54
SB	5494.40	271807.97
WHB	5976.00	310931.28
ECD	5143.750	267629.31
CD	9222.50	479846.68
	66871.28	3315123.59
	Village-Mamna	
CB	1373.75	57848.61
Village-Bilpur		
CB	8928.30	375970.71
MB	10569.98	522896.66
PB	3640.00	180070.80
SB	36502.92	1805799.21

WHB	4570.00	237777.10
ECD	1925.00	100157.75
CD	5057.50	263141.73
	71193.69	**3485813.96**
GT	139438.72	6858786.16
	MWS	
CB	16426.33	691712.55
MB	25713.43	1272043.26
PB	23406.90	1157939.34
SB	41997.32	2077607.17
WHB	10546.00	548708.38
ECD	7068.750	367787.063
CD	14280.00	742988.40
	139438.72	**6858786.16**

Name of MWS		Gahuli			Name of Gram Panchayat			Gahuli		Bilpur
S.No.	Khasara No	Name of Activity	Length (M)							
1	66	CB - 19	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
2	64	CB - 20	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
3	68	CB - 21	250	((3.50+0.45)/2)*1	1.98	493.75	42.11	20791.81	173	1039.59
4	80	CB - 22	260	((3.50+0.55)/2)*1	2.03	526.50	42.11	22170.92	185	1108.55
5	210,215	CB - 23	250	((3.50+0.50)/2)*1	2.00	500.00	42.11	21055.00	175	1052.75
6	223	CB - 25	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
7	225,226	CB - 26	240	((3.50+0.50)/2)*.7	1.40	336.00	42.11	14148.96	118	707.45
8	88	CB - 27	240	((3.50+0.45)/2)*1	1.98	474.00	42.11	19960.14	166	998.01
9	135	CB - 31	260	((3.50+0.55)/2)*1	2.03	526.50	42.11	22170.92	185	1108.55
10	130	CB - 33	320	((3.50+0.50)/2)*1	2.00	640.00	42.11	26950.40	225	1347.52

11	22	CB - 34	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
12	21	CB - 35	220	((3.50+0.50)/2)*0.8	1.60	352.00	42.11	14822.72	124	741.14
13	75	CB - 36	220	((3.50+0.45)/2)*1	1.98	434.50	42.11	18296.80	152	914.84
14	20	CB - 37	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
15	19	CB - 38	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
16	76	CB - 39	240	((3.50+0.50)/2)*0.9	1.80	432.00	42.11	18191.52	152	909.58
17	79	CB - 40	250	((3.50+0.50)/2)*1	2.00	500.00	42.11	21055.00	175	1052.75
18	23	CB - 41	260	((3.50+0.50)/2)*0.9	1.80	468.00	42.11	19707.48	164	985.37
						8288.75		**349039.26**	2909	17451.96
1	1647	MB - 1	100	((4.75+0.80)/2)*1.55	4.30	430.13	49.47	21278.28	177	1063.91
2	1642	MB - 10	120	((4.75+0.80)/2)*1.50	4.16	499.50	49.47	24710.27	206	1235.51
3	1677	MB - 12	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
4	1672	MB - 13	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
5	1329	MB - 14	180	((4.75+0.80)/2)*1.50	4.16	749.25	49.47	37065.40	309	1853.27
6	1678	MB - 15	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
7	1681	MB - 16	210	((4.75+0.80)/2)*1.50	4.16	874.13	49.47	43242.96	360	2162.15
8	1684	MB - 17	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
9	1687	MB - 18	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
10	1676	MB - 19	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
11	1689	MB - 20	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
12	1691	MB - 21	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
13	1673	MB - 22	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
14	1692	MB - 23	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
15	29	MB - 24	210	((4.75+0.80)/2)*1.50	4.16	874.13	49.47	43242.96	360	2162.15
16	36	MB - 25	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
17	44	MB - 26	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
18	38	MB - 27	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
19	39	MB - 28	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
20	238	MB - 29	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
21	245	MB - 35	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19

22	51	MB - 36	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
23	52	MB - 37	180	((4.75+0.80)/2)*1.50	4.16	749.25	49.47	37065.40	309	1853.27
24	53	MB - 38	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
25	54	MB - 39	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
						20837.48		**1030829.89**	8590	51541.49
1	251	SB - 11	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
2	317	SB - 20	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
3	318	SB - 21	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
4	319	SB - 22	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
5	321	SB - 23	600	((4.45+0.6)/2)*1.28	3.23	1939.20	49.47	95932.22	799	9593.22
6	322	SB - 24	700	((4.45+0.6)/2)*1.28	3.23	2262.40	49.47	111920.93	933	11192.09
7	350	SB - 25	800	((4.45+0.6)/2)*1.28	3.23	2585.60	49.47	127909.63	1066	12790.96
8	13	SB - 41	600	((4.80+0.6)/2)*1.40	3.78	2268.00	49.47	112197.96	935	11219.80
9	14	SB - 42	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
10	15	SB - 43	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
11	194	SB - 44	600	((4.45+0.6)/2)*1.28	3.23	1939.20	49.47	95932.22	799	9593.22
12	200	SB - 45	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
13	180	SB - 46	320	((4.45+0.6)/2)*1.28	3.23	1034.24	49.47	51163.85	426	5116.39
14	178	SB - 47	340	((4.45+0.6)/2)*1.28	3.23	1098.88	49.47	54361.59	453	5436.16
15	179	SB - 48	440	((4.45+0.6)/2)*1.28	3.23	1422.08	49.47	70350.30	586	7035.03
						24245.60		**1199429.83**	9995	119942.98
1	30	WHB - 5	90	((12.0+1.50)/2)*2.50	16.88	1518.75	52.03	79020.56	659	3951.03
	Village - Tikaniparmar									
1	340	CB - 2	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
2	334	CB - 3	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
3	335	CB - 4	250	((3.50+0.45)/2)*1	1.98	493.75	42.11	20791.81	173	1039.59
4	50	CB - 5	260	((3.50+0.55)/2)*1	2.03	526.50	42.11	22170.92	185	1108.55
5	382	CB - 6	250	((3.50+0.50)/2)*1	2.00	500.00	42.11	21055.00	175	1052.75
6	395	CB - 7	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
7	399	CB - 8	240	((3.50+0.50)/2)*.7	1.40	336.00	42.11	14148.96	118	707.45

8	385	CB - 9	240	((3.50+0.45)/2)*1	1.98	474.00	42.11	19960.14	166	998.01
9	358	CB - 10	260	((3.50+0.55)/2)*1	2.03	526.50	42.11	22170.92	185	1108.55
10	366	CB - 11	320	((3.50+0.50)/2)*1	2.00	640.00	42.11	26950.40	225	1347.52
11	444	CB - 12	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
12	441	CB - 13	220	((3.50+0.50)/2)*0.8	1.60	352.00	42.11	14822.72	124	741.14
13	435	CB - 14	220	((3.50+0.45)/2)*1	1.98	434.50	42.11	18296.80	152	914.84
14	435/1389	CB - 15	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
15	404-409	CB - 16	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
16	401,402	CB - 17	240	((3.50+0.50)/2)*0.9	1.80	432.00	42.11	18191.52	152	909.58
17	400	CB - 18	250	((3.50+0.50)/2)*0.8	1.60	400.00	42.11	16844.00	140	842.20
18	259	CB - 24	260	((3.50+0.45)/2)*1	1.98	513.50	42.11	21623.49	180	1081.17
19	245,247	CB - 28	260	((3.50+0.55)/2)*1	2.03	526.50	42.11	22170.92	185	1108.55
20	243	CB - 29	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
21	240	CB - 30	200	((3.50+0.50)/2)*0.9	1.80	360.00	42.11	15159.60	126	757.98
22	134	CB - 32	240	((3.50+0.50)/2)*0.9	1.80	432.00	42.11	18191.52	152	909.58
						9952.75		**419110.30**	3493	20955.52
1	352	SB - 27	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
1	367	WHB - 1	100	((12.0+1.50)/2)*2.50	16.88	1687.50	52.03	87800.63	732	4390.03
2	343	WHB - 2	90	((12.0+1.50)/2)*2.50	16.88	1518.75	52.03	79020.56	659	3951.03
						3206.25		**166821.19**		
	Village - Bhikhampura									
1	341	MB-1	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
1	1650	MB - 2	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
2	143	MB - 4	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
3	1661	MB - 5	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
4	1662	MB - 6	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
5	203	MB - 7	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
6	209	MB - 8	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
7	1667	MB - 9	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05

8	1669	MB - 11	190	((4.75+0.80)/2)*1.55	4.30	817.24	49.47	40428.74	337	2021.44
9	239	MB - 30	260	((4.75+0.80)/2)*1.50	4.16	1082.25	49.47	53538.91	446	2676.95
10	222	MB - 31	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
11	220	MB - 32	250	((4.75+0.80)/2)*1.55	4.30	1075.31	49.47	53195.71	443	2659.79
12	242	MB - 33	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
13	240	MB - 34	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
14	342,345	MB - 40	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
15	36	MB - 41	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
16	66	MB - 42	210	((4.75+0.80)/2)*1.50	4.16	874.13	49.47	43242.96	360	2162.15
17	62	MB - 43	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
18	61	MB - 44	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
19	58	MB - 45	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
						18467.63		**913593.41**	7613	45679.67
1	198	SB - 1	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
2	270	SB - 2	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
3	329	SB - 3	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
4	329	SB - 4	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
5	324	SB - 5	600	((4.45+0.6)/2)*1.28	3.23	1939.20	49.47	95932.22	799	9593.22
6	327	SB - 6	700	((4.45+0.6)/2)*1.28	3.23	2262.40	49.47	111920.93	933	11192.09
7	319	SB - 7	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
8	258	SB - 8	600	((4.80+0.6)/2)*1.40	3.78	2268.00	49.47	112197.96	935	11219.80
9	259	SB - 9	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
10	253	SB - 10	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
11	424	SB - 12	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
12	264	SB - 13	280	((4.45+0.6)/2)*1.28	3.23	904.96	49.47	44768.37	373	4476.84
13	297	SB - 14	290	((4.45+0.6)/2)*1.28	3.23	937.28	49.47	46367.24	386	4636.72
14	300	SB - 15	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
15	301	SB - 16	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
16	302	SB - 17	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
17	19	SB - 18	600	((4.45+0.6)/2)*1.28	3.23	1939.20	49.47	95932.22	799	9593.22
18	2	SB - 19	700	((4.45+0.6)/2)*1.28	3.23	2262.40	49.47	111920.93	933	11192.09

19	20	SB - 28	600	((4.45+0.6)/2)*1.28	3.23	1939.20	49.47	95932.22	799	9593.22
20	21	SB - 29	500	((4.80+0.6)/2)*1.40	3.78	1890.00	49.47	93498.30	779	9349.83
21	313	SB - 30	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
22	308	SB - 31	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
23	80	SB - 32	600	((4.45+0.6)/2)*1.28	3.23	1939.20	49.47	95932.22	799	9593.22
24	35	SB - 33	700	((4.45+0.6)/2)*1.28	3.23	2262.40	49.47	111920.93	933	11192.09
25	11	SB - 34	800	((4.45+0.6)/2)*1.28	3.23	2585.60	49.47	127909.63	1066	12790.96
26	30	SB - 35	600	((4.80+0.6)/2)*1.40	3.78	2268.00	49.47	112197.96	935	11219.80
27	86	SB - 36	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
28	69	SB - 37	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
29	31	SB - 38	600	((4.45+0.6)/2)*1.28	3.23	1939.20	49.47	95932.22	799	9593.22
30	32	SB - 39	700	((4.45+0.6)/2)*1.28	3.23	2262.40	49.47	111920.93	933	11192.09
31	74	SB - 40	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
						50284.24		**2487561.35**	20730	248756.14
1	328	WHB- 3	90	((12.0+1.50)/2)*2.50	16.88	1518.75	52.03	79020.56	659	3951.03
2	200	WHB- 4	80	((12.0+1.50)/2)*2.50	16.88	1350.00	52.03	70240.50	585	3512.03
						2868.75		**149261.06**		

	Bilpur	
CB	8288.75	**349039.26**
MB	20837.48	**1030829.89**
SB	24245.60	**1199429.83**
WHB	1518.75	79020.56
	54890.58	**2658319.55**
	Village - Tikariparmar	
CB	9952.75	**419110.30**
SB	1616.00	79943.52
WHB	3206.25	**166821.19**
	14775.00	**665875.01**

	Village - Bhikhampura	
MB	18467.63	**913593.41**
SB	50284.24	**2487561.35**
WHB	2868.75	**149261.06**
	71620.62	**3550415.82**
GT	141286.19	6874610.38
	MWS	
CB	18241.50	768149.57
MB	39305.10	1944423.30
SB	76145.84	3766934.70
WHB	7593.75	395102.81
	141286.19	**6874610.38**

	Name of MWS	**Puraini**			**Name of Gram Panchayat**			**PURENI**	**Bangra**	**Tikri Parmal**
	Name of Gram Panchayat		**Bangra**							
1	527	CB-20	300	((3.50+0.50)/2)*1	2.00	600.00	42.11	25266.00	211	1263.30
2	528	CB-19	280	((3.50+0.50)/2)*1	2.00	560.00	42.11	23581.60	197	1179.08
3	563	CB-17	150	((2.85+0.45)/2)*0.80	1.32	198.00	42.11	8337.78	69	416.89
						1358.00		57185.38		
	Name of Gram Panchayat		Bangra							
S.No.	Khasara No	Name of Activity	Length (M)							
1	18	MB-23	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
2	503	MB-22	270	((4.75+0.80)/2)*1.55	4.30	1161.34	49.47	57451.37	479	2872.57
3	149	MB-24	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
4	144	MB-25	320	((4.75+0.80)/2)*1.55	4.30	1376.40	49.47	68090.51	567	3404.53

5	507	MB-21	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
6	508	MB-20	280	((4.75+0.80)/2)*1.55	4.30	1204.35	49.47	59579.19	496	2978.96
7	523	MB-19	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
8	552	MB-18	350	((4.75+0.80)/2)*1.55	4.30	1505.44	49.47	74473.99	621	3723.70
						10409.03		514934.47	4291	25746.72
	Name of Gram Panchayat		Bangra							
1	521	ECD-7	100	((12+02)/2)*2.5	17.500	1750.00	52.03	91052.50	759	
	Name of Gram Panchayat		Tikri Parmal							
1	243	CB-29	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
2	241	CB-30	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
3	268	CB-26	300	((3.50+0.45)/2)*1	1.98	592.50	42.11	24950.18	208	1247.51
4	272	CB-27	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
5	281	CB-28	300	((3.50+0.50)/2)*1	2.00	600.00	42.11	25266.00	211	1263.30
6	631	CB-12	400	((3.50+0.50)/2)*1	2.00	800.00	42.11	33688.00	281	1684.40
7	644	CB-11	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
8	599	CB-14	200	((3.50+0.45)/2)*1	1.98	395.00	42.11	16633.45	139	831.67
9	593	CB-15	350	((3.50+0.55)/2)*1	2.03	708.75	42.11	29845.46	249	1492.27
10	634	CB-4	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
11	622	CB-3	220	((3.50+0.55)/2)*1	2.03	445.50	42.11	18760.01	156	938.00
12	738	CB-5	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
13	636	CB-10	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
14	740	CB-07	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
15	647	CB-08	100	((3.50+0.55)/2)*1	2.03	202.50	42.11	8527.28	71	426.36
16	648	CB-02	120	((3.50+0.50)/2)*1	2.00	240.00	42.11	10106.40	84	505.32
17	586	CB-01	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
						7715.25		324889.18	2707	16244.46
	Name of Gram Panchayat		Tikri Parmal							
1	664	MB-17	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
2	224	MB-9	140	((4.75+0.80)/2)*1.50	4.16	582.75	49.47	28828.64	240	1441.43

3	654	MB-15	400	((4.75+0.80)/2)*1.55	4.30	1720.50	49.47	85113.14	709	4255.66
4	65	MB-14	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
5	627	MB-12	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
6	627	MB-13	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
						7006.88		346630.11	2889	17331.51
	Name of Gram Panchayat		Tikri Parmal							
1	706	SB-17	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
2	248	SB-20	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
3	716	SB-18	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
4	417	SB-25	140	((4.45+0.6)/2)*1.28	3.23	452.48	49.47	22384.19	187	2238.42
5	259	SB-24	140	((4.45+0.6)/2)*1.28	3.23	452.48	49.47	22384.19	187	2238.42
6	256	SB-23	160	((4.45+0.6)/2)*1.28	3.23	517.12	49.47	25581.93	213	2558.19
7	721	SB-19	400	((4.45+0.6)/2)*1.28	3.23	1292.80	49.47	63954.82	533	6395.48
8	724	SB-13	380	((4.80+0.6)/2)*1.40	3.78	1436.40	49.47	71058.71	592	7105.87
9	452	SB-12	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
10	256	SB-26	150	((4.45+0.6)/2)*1.28	3.23	484.80	49.47	23983.06	200	2398.31
11	252	SB-22	100	((4.45+0.6)/2)*1.28	3.23	323.20	49.47	15988.70	133	1598.87
12	250	SB-21	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
						8449.84		418013.58	3483	41801.36
	Name of Gram Panchayat		Tikri Parmal							
1	702	ECD-6	300	((12+02)/2)*2.5	17.500	5250.00	52.03	273157.50	2276	
2	663	ECD-5	180	((12+02)/2)*2.5	17.500	3150.00	52.03	163894.50	1366	
3	639	ECD-4	120	((12+02)/2)*2.5	17.500	2100.00	52.03	109263.00	911	
4	734	ECD-3	100	((12+1 .5)/2)*2.5	16.875	1687.50	52.03	87800.63	732	
						12187.50		634115.63	5284	
	Name of Gram Panchayat		Chhedi Beni							
1	103	MB-4	300	((4.75+0.80)/2)*1.50	4.16	1248.75	49.47	61775.66	515	3088.78
2	19	MB-5	280	((4.75+0.80)/2)*1.50	4.16	1165.50	49.47	57657.29	480	2882.86

3	12	MB-6	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
4	33	MB-7	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
5	32	MB-8	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
6	117	MB-9	160	((4.75+0.80)/2)*1.55	4.30	688.20	49.47	34045.25	284	1702.26
7	48	MB-11	340	((4.75+0.80)/2)*1.55	4.30	1462.43	49.47	72346.16	603	3617.31
						6801.53		336471.44	2804	16823.57
	Name of Gram Panchayat		Chhedi Beni							
1	160	PB-1	400	((4.70+0.50)/2)*1.40	3.64	1456.00	49.47	72028.32	600	3601.42
2	678	PB-2	300	((4.70+0.50)/2)*1.40	3.64	1092.00	49.47	54021.24	450	2701.06
3	681	PB-3	300	((4.70+0.50)/2)*1.40	3.64	1092.00	49.47	54021.24	450	2701.06
4	697	PB-4	400	((4.70+0.50)/2)*1.40	3.64	1456.00	49.47	72028.32	600	3601.42
5	685	PB-5	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
6	677	PB-6	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
7	7	PB-7	300	((4.70+0.50)/2)*1.40	3.64	1092.00	49.47	54021.24	450	2701.06
8	307	PB-8	250	((4.70+0.50)/2)*1.40	3.64	910.00	49.47	45017.70	375	2250.89
9	674	PB-9	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
10	679	PB-10	200	((4.70+0.50)/2)*1.40	3.64	728.00	49.47	36014.16	300	1800.71
	Name of Gram Panchayat		Chhedi Beni					657258.42	5477	32862.92
1	301	WHB-1	100	((12.0+2.00)/2)*2.60	18.20	1820.00	52.03	94694.60	789	4734.73
2	686	WHB-2	90	((12.0+1.50)/2)*2.50	16.88	1518.75	52.03	79020.56	659	3951.03
3	141	WHB-3	80	((12.0+2.00)/2)*2.60	18.20	1456.00	52.03	75755.68	631	3787.78
4	151	WHB-4	90	((12.0+1.50)/2)*2.50	16.88	1518.75	52.03	79020.56	659	3951.03
						6313.50		328491.41	2737	16424.57
	Name of Gram Panchayat		Chhedi Beni							
1	678	CD-1	80	((12.45 +1.25)/2)*2.8	19.180	1534.40	52.03	79834.83	665	
2	676	CD-2	90	((15.50 +1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	
3	307	CD-3	80	((15.50 +1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
4	697	CD-4	90	((15.50 +1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	

5	41	CD-5	90	((15.50+1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	
6	19	CD-6	100	((15.50+1.5)/2)*3.5	29.750	2975.00	52.03	154789.25	1290	
7	25	CD-7	100	((15.50+1.5)/2)*3.5	29.750	2975.00	52.03	154789.25	1290	
						178969.0		931175.71	7760	
	Name of Gram Panchayat		Bill Gaon							
1	776	CB-21	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
2	513	CB-22	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
3	506	CB-23	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
4	500	CB-24	280	((3.50+0.50)/2)*1	2.00	560.00	42.11	23581.60	197	1179.08
5	395	CB-25	220	((3.50+0.50)/2)*1	2.00	440.00 2200.00	42.11	18528.40 92642.00	154 772	926.42 4632.10
	Name of Gram Panchayat		Bill Gaon							
1	822	SB-1	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
2	816	SB-2	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
3	807	SB-3	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
4	798	SB-4	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
5	781	SB-5	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
6	517	SB-6	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
7	373	SB-27	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
8	379	SB-28	200	((4.80+0.6)/2)*1.40	3.78	756.00	49.47	37399.32	312	3739.93
						7026.08		347580.18	2897	34758.02

Village	Bangra	
CB	1358.00	57185.38
MB	10409.03	514934.47
ECD	1750.00	91052.50
	13517.03	**663172.35**

	Tikri Parmal	
CB	7715.25	324889.18
MB	7006.88	346630.11
SB	8449.84	418013.58
ECD	12187.50	634115.63
	35359.47	**1723648.49**
	Chhedi Beni	
CB	6801.53	336471.44
WHB	6313.50	328491.41
ECD	17896.90	931175.71
	31011.93	**1596138.55**
	Bill Gaon	
SB	7026.08	347580.18
CB	2200.00	92642.00
	9226.08	**440222.18**
GT	**89114.50**	**4423181.57**
	MWS	
CB	18074.78	811188.00
MB	17415.90	861564.57
SB	15475.92	765593.76
WHB	6313.50	328491.41
ECD	31834.40	1656343.83
	89114.50	**4423181.57**

Name of MWS		Kathari			Name of Gram Panchayat			Kathari		
			Area of work			Work measurement	Rate	Total Cost (Rs.)	Manday	
S.No.	Khasara No	Name of Activity	Length	Width * Height	C.S. (Area)					
1	887	MB-1	380	((4.75+0.80)/2)*1.50	4.16	1581.75	49.47	78249.17	652	3912.46
2	815	MB-2	250	((4.75+0.80)/2)*1.50	4.16	1040.63	49.47	51479.72	429	2573.99
3	881	MB-3	300	((4.75+0.80)/2)*1.55	4.30	1290.38	49.47	63834.85	532	3191.74
4	883	MB-4	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
5	872	MB-5	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
6	552	MB-6	150	((4.75+0.80)/2)*1.50	4.16	624.38	49.47	30887.83	257	1544.39
7	556	MB-7	250	((4.75+0.80)/2)*1.55	4.30	1075.31	49.47	53195.71	443	2659.79
8	875	MB-8	180	((4.75+0.80)/2)*1.50	4.16	749.25	49.47	37065.40	309	1853.27
9	840	MB-9	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
10	842	MB-10	160	((4.75+0.80)/2)*1.50	4.16	666.00	49.47	32947.02	275	1647.35
11	843	MB-11	150	((4.75+0.80)/2)*1.55	4.30	645.19	49.47	31917.43	266	1595.87
12	844	MB-12	210	((4.75+0.80)/2)*1.50	4.16	874.13	49.47	43242.96	360	2162.15
13	849	MB-13	140	((4.75+0.80)/2)*1.55	4.30	602.18	49.47	29789.60	248	1489.48
14	563	MB-14	120	((4.75+0.80)/2)*1.55	4.30	516.15	49.47	25533.94	213	1276.70
15	501	MB-15	140	((4.75+0.80)/2)*1.55	4.30	602.18	49.47	29789.60	248	1489.48
16	570	MB-16	140	((4.75+0.80)/2)*1.50	4.16	582.75	49.47	28828.64	240	1441.43
17	564	MB-17	120	((4.75+0.80)/2)*1.50	4.16	499.50	49.47	24710.27	206	1235.51
18	560	MB-18	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
19	503	MB-19	250	((4.75+0.80)/2)*1.55	4.30	1075.31	49.47	53195.71	443	2659.79
20	590	MB-20	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
21	595	MB-21	210	((4.75+0.80)/2)*1.50	4.16	874.13	49.47	43242.96	360	2162.15
22	583	MB-22	210	((4.75+0.80)/2)*1.55	4.30	903.26	49.47	44684.40	372	2234.22
23	585	MB-23	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
24	528	MB-24	150	((4.75+0.80)/2)*1.50	4.16	624.38	49.47	30887.83	257	1544.39
25	918	MB-25	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39

26	268	MB-26	260	((4.75+0.80)/2)*1.50	4.16	1082.25	49.47	53538.91	446	2676.95
27	267	MB-27	150	((4.75+0.80)/2)*1.55	4.30	645.19	49.47	31917.43	266	1595.87
28	515	MB-28	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
29	2268	MB-29	210	((4.75+0.80)/2)*1.50	4.16	874.13	49.47	43242.96	360	2162.15
30	2269	MB-30	210	((4.75+0.80)/2)*1.55	4.30	903.26	49.47	44684.40	372	2234.22
				TOTAL-		25557.75		1264341.89	10536	63217.09
31	876	PB-1	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
32	593	PB-2	600	((4.70+0.50)/2)*1.35	3.51	2106.00	49.47	104183.82	868	5209.19
33	854	PB-3	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
34	856	PB-4	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
35	897	PB-5	400	((4.70+0.50)/2)*1.35	3.51	1404.00	49.47	69455.88	579	3472.79
36	556	PB-6	400	((4.70+0.50)/2)*1.40	3.64	1456.00	49.47	72028.32	600	3601.42
37	2294	PB-7	500	((4.70+0.50)/2)*1.35	3.51	1755.00	49.47	86819.85	723	4340.99
38	560	PB-8	850	((4.70+0.50)/2)*1.40	3.64	3094.00	49.47	153060.18	1276	7653.01
39	289	PB-9	920	((4.70+0.50)/2)*1.40	3.64	3348.80	49.47	165665.14	1381	8283.26
40	402	PB-10	350	((4.70+0.50)/2)*1.35	3.51	1228.50	49.47	60773.90	506	3038.69
41	698	PB-11	430	((4.70+0.50)/2)*1.40	3.64	1565.20	49.47	77430.44	645	3871.52
42	695	PB-12	300	((4.70+0.50)/2)*1.35	3.51	1053.00	49.47	52091.91	434	2604.60
43	701	PB-13	420	((4.70+0.50)/2)*1.40	3.64	1528.80	49.47	75629.74	630	3781.49
44	740	PB-14	240	((4.70+0.50)/2)*1.35	3.51	842.40	49.47	41673.53	347	2083.68
				TOTAL-		25569.70		1264933.06	10541	63246.65
45	776	SB-1	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
46	778	SB-2	350	((4.45+0.6)/2)*1.28	3.23	1131.20	49.47	55960.46	466	5596.05
47	738	SB-3	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
48	739	SB-4	280	((4.45+0.6)/2)*1.32	3.33	933.24	49.47	46167.38	385	4616.74
49	788	SB-5	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
50	789	SB-6	320	((4.45+0.6)/2)*1.32	3.33	1066.56	49.47	52762.72	440	5276.27
51	775	SB-7	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
52	770	SB-8	100	((4.45+0.6)/2)*1.28	3.23	323.20	49.47	15988.70	133	1598.87
53	805	SB-9	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
54	784	SB-10	200	((4.45+0.6)/2)*1.32	3.33	666.60	49.47	32976.70	275	3297.67

55	780	SB-11	150	((4.45+0.6)/2)*1.28	3.23	484.80	49.47	23983.06	200	2398.31
56	783	SB-12	230	((4.45+0.6)/2)*1.28	3.23	743.36	49.47	36774.02	306	3677.40
57	785	SB-13	250	((4.45+0.6)/2)*1.25	3.16	789.06	49.47	39034.92	325	3903.49
58	814	SB-14	150	((4.45+0.6)/2)*1.28	3.23	484.80	49.47	23983.06	200	2398.31
59	802	SB-15	200	((4.45+0.6)/2)*1.32	3.33	666.60	49.47	32976.70	275	3297.67
60	898	SB-16	250	((4.45+0.6)/2)*1.25	3.16	789.06	49.47	39034.92	325	3903.49
61	879	SB-17	450	((4.45+0.6)/2)*1.28	3.23	1454.40	49.47	71949.17	600	7194.92
62	870	SB-18	420	((4.45+0.6)/2)*1.28	3.23	1357.44	49.47	67152.56	560	6715.26
63	904	SB-19	260	((4.45+0.6)/2)*1.25	3.16	820.63	49.47	40596.32	338	4059.63
64	903	SB-20	190	((4.45+0.6)/2)*1.28	3.23	614.08	49.47	30378.54	253	3037.85
65	832	SB-21	190	((4.45+0.6)/2)*1.25	3.16	599.69	49.47	29666.54	247	2966.65
66	2266	SB-22	150	((4.45+0.6)/2)*1.32	3.33	499.95	49.47	24732.53	206	2473.25
67	2269	SB-23	150	((4.45+0.6)/2)*1.28	3.23	484.80	49.47	23983.06	200	2398.31
68	2246	SB-24	250	((4.45+0.6)/2)*1.28	3.23	808.00	49.47	39971.76	333	3997.18
69	2257	SB-25	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
70	2294	SB-26	160	((4.45+0.6)/2)*1.28	3.23	517.12	49.47	25581.93	213	2558.19
71	2296	SB-27	150	((4.45+0.6)/2)*1.28	3.23	484.80	49.47	23983.06	200	2398.31
72	667	SB-28	170	((4.45+0.6)/2)*1.32	3.33	566.61	49.47	28030.20	234	2803.02
73	832	SB-29	200	((4.45+0.6)/2)*1.32	3.33	666.60	49.47	32976.70	275	3297.67
74	869	SB-30	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
				TOTAL-		21800.60		1078475.56	8987	107847.56
75	854	WHB-1	200	((12.0+2.00)/2)*2.50	1750	3500.00	52.03	182105.00	1518	9105.25
76	559	WHB-2	200	((12.0+2.00)/2)*2.50	1750	3500.00	52.03	182105.00	1518	9105.25
77	553	WHB-3	200	((12.0+2.00)/2)*2.50	1750	3500.00	52.03	182105.00	1518	9105.25
78	816	WHB-4	200	((12.0+2.00)/2)*2.50	1750	3500.00	52.03	182105.00	1518	9105.25
79	507	WHB-5	200	((12.0+2.00)/2)*2.50	1750	3500.00	52.03	182105.00	1518	9105.25
80	279	WHB-6	200	((12.0+2.00)/2)*2.50	1750	3500.00	52.03	182105.00	1518	9105.25
81	270	WHB-7	200	((12.0+2.00)/2)*2.50	1750	3500.00	52.03	182105.00	1518	9105.25
				TOTAL-		24500.00		1274735.00	10623	63736.75
82	904	ECD-1	100	((12+02)/2)*2.5	17.500	1750.00	52.03	91052.50	759	
83	573	ECD-2	100	((12+02)/2)*2.5	17.500	1750.00	52.03	91052.50	759	

				TOTAL-		3500.000		182105.00		
84	683	CD-1	110	((12.45+1.25)/2)*2.8	19.180	2109.80	52.03	109772.89	915	
85	873	CD-2	120	((15.50+1.5)/2)*3.5	29.750	3570.00	52.03	185747.10	1548	
86	703	CD-3	120	((15.50+1.5)/2)*3.5	29.750	3570.00	52.03	185747.10	1548	
87	2248	CD-4	120	((15.50+1.5)/2)*3.5	29.750	3570.00	52.03	185747.10	1548	
88	2294	CD-5	110	((15.50+1.5)/2)*3.5	29.750	3272.50	52.03	170268.18	1419	
89	2289	CD-6	100	((15.50+1.5)/2)*3.5	29.750	2975.00	52.03	154789.25	1290	
90	2297	CD-7	100	((15.50+1.5)/2)*3.5	29.750	2975.00	52.03	154789.25	1290	
				TOTAL-		22042.30		1146860.87	9557	

MSW		
	Kathari	
	QTY	COST
CB		
MB	25557.75	1264341.89
PB	25569.70	1264933.06
SB	21800.60	1078475.56
WHB	24500.00	1274735.00
ECD	3500.000	182105.00
CD	22042.30	1146860.87
	122970.35	6211451.38

	Nameof MWS	Bilgoun			Name of Gram Panchayat			Bilgoun		
		Nameof Village	Kathahari							
1	254	CB-1	300	((2.85+0.45)/2)*0.80	1.32	396.00	42.11	16675.56	139	833.78
2	248	CB-2	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
				TOTAL		796.00		33519.56		
		Nameof Village	Kathahari							
1	249	WHB-7	80	((12.0+2.00)/2)*2.50	17.50	1400.00	52.03	72842.00	607	3642.10
2	256	WHB-8	100	((12.0+2.00)/2)*2.50	17.50	1750.00	52.03	91052.50	759	4552.63
				TOTAL		3150.00		163894.50		
		Nameof Village	Bilgoun							
1	2102	CB-3	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
2	262	CB-4	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
3	2250	CB-5	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
4	2094	CB-6	260	((3.50+0.50)/2)*0.9	1.80	468.00	42.11	19707.48	164	985.37
5	2092	CB-7	240	((2.85+0.45)/2)*0.80	1.32	316.80	42.11	13340.45	111	667.02
6	2115	CB-8	300	((3.50+0.50)/2)*1	2.00	600.00	42.11	25266.00	211	1263.30
7	2117	CB-9	120	((2.85+0.45)/2)*0.80	1.32	158.40	42.11	6670.22	56	333.51
8	2202	CB-10	160	((3.50+0.50)/2)*0.90	1.80	288.00	42.11	12127.68	101	606.38
9	2201	CB-11	180	((3.50+0.55)/2)*1	2.03	364.50	42.11	15349.10	128	767.45
10	2142	CB-12	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
11	2718	CB-13	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
12	2702	CB-14	240	((3.50+0.55)/2)*1	2.03	486.00	42.11	20465.46	171	1023.27
13	2482	CB-15	260	((3.50+0.50)/2)*1	2.00	520.00	42.11	21897.20	182	1094.86
14	2179	CB-16	280	((2.85+0.45)/2)*0.80	1.32	369.60	42.11	15563.86	130	778.19
15	2730	CB-17	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
16	2689	CB-18	220	((2.85+0.45)/2)*0.80	1.32	290.40	42.11	12228.74	102	611.44
17	2709	CB-19	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
18	2684	CB-20	300	((3.50+0.55)/2)*1	2.03	607.50	42.11	25581.83	213	1279.09

19	2478	CB-21	200	((3.50+0.55)/2)*1	2.03	405.00	42.11	17054.55	142	852.73
20	2376	CB-22	220	((3.50+0.50)/2)*1	2.00	440.00	42.11	18528.40	154	926.42
21	2458	CB-23	180	((3.50+0.55)/2)*1	2.03	364.50	42.11	15349.10	128	767.45
22	2459	CB-24	180	((3.50+0.50)/2)*1	2.00	360.00	42.11	15159.60	126	757.98
23	2491	CB-25	160	((2.85+0.45)/2)*0.80	1.32	211.20	42.11	8893.63	74	444.68
24	2494	CB-26	240	((3.50+0.50)/2)*1	2.00	480.00	42.11	20212.80	168	1010.64
25	2691	CB-27	300	((2.85+0.45)/2)*0.80	1.32	396.00	42.11	16675.56	139	833.78
26	2681	CB-28	200	((3.50+0.50)/2)*1	2.00	400.00	42.11	16844.00	140	842.20
				TOTAL		10541.90		443919.41	3699	22195.97
		Name of Village	**Bilgoun**							
1	1981	MB-1	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
2	1982	MB-2	200	((4.75+0.80)/2)*1.50	4.16	832.50	49.47	41183.78	343	2059.19
3	1983	MB-3	220	((4.75+0.80)/2)*1.55	4.30	946.28	49.47	46812.22	390	2340.61
4	1984	MB-4	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
5	1985	MB-5	180	((4.75+0.80)/2)*1.55	4.30	774.23	49.47	38300.91	319	1915.05
6	1986	MB-6	260	((4.75+0.80)/2)*1.55	4.30	1118.33	49.47	55323.54	461	2766.18
7	1962	MB-7	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
8	2240	MB-12	240	((4.75+0.80)/2)*1.55	4.30	1032.30	49.47	51067.88	426	2553.39
9	2237	MB-13	220	((4.75+0.80)/2)*1.50	4.16	915.75	49.47	45302.15	378	2265.11
10	2226	MB-14	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
11	2223	MB-15	200	((4.75+0.80)/2)*1.48	4.11	821.40	49.47	40634.66	339	2031.73
12	2222	MB-16	260	((4.75+0.80)/2)*1.45	4.02	1046.18	49.47	51754.28	431	2587.71
13	2214	MB-17	280	((4.75+0.80)/2)*1.55	4.30	1204.35	49.47	59579.19	496	2978.96
14	2212	MB-18	230	((4.75+0.80)/2)*1.50	4.16	957.38	49.47	47361.34	395	2368.07
15	2364	MB-19	240	((4.75+0.80)/2)*1.50	4.16	999.00	49.47	49420.53	412	2471.03
16	2426	MB-20	220	((4.75+0.80)/2)*1.48	4.11	903.54	49.47	44698.12	372	2234.91
17	2423	MB-21	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
18	2416	MB-22	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
19	2396	MB-23	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83
20	2418	MB-24	200	((4.75+0.80)/2)*1.55	4.30	860.25	49.47	42556.57	355	2127.83

21	2285	MB-25	180	((4.75+0.80)/2)*1.48	4.11	739.26	49.47	36571.19	305	1828.56
22	2340	MB-9	160	((4.75+0.80)/2)*1.50	4.16	666.00	49.47	32947.02	275	1647.35
23	2724	MB-10	120	((4.75+0.80)/2)*1.55	4.30	516.15	49.47	25533.94	213	1276.70
24	2723	MB-11	140	((4.75+0.80)/2)*1.48	4.11	574.98	49.47	28444.26	237	1422.21
25				TOTAL		21245.96		1051037.39	8759	52551.87
		Name of Village	**Bilgoun**							
1	1940	PB-1	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
2	1941	PB-2	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
3	1954	PB-3	400	((4.70+0.50)/2)*1.40	3.64	1456.00	49.47	72028.32	600	3601.42
4	1911	PB-4	500	((4.70+0.50)/2)*1.35	3.51	1755.00	49.47	86819.85	723	4340.99
5	1914	PB-5	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
6	1938	PB-6	600	((4.70+0.50)/2)*1.40	3.64	2184.00	49.47	108042.48	900	5402.12
7	2373	PB-7	500	((4.70+0.50)/2)*1.30	3.38	1690.00	49.47	83604.30	697	4180.22
8	2466	PB-8	400	((4.70+0.50)/2)*1.40	3.64	1456.00	49.47	72028.32	600	3601.42
9	2455	PB-9	300	((4.70+0.50)/2)*1.35	3.51	1053.00	49.47	52091.91	434	2604.60
10	2442	PB-10	280	((4.70+0.50)/2)*1.30	3.38	946.40	49.47	46818.41	390	2340.92
11	2383	PB-11	400	((4.70+0.50)/2)*1.35	3.51	1404.00	49.47	69455.88	579	3472.79
12	2433	PB-12	500	((4.70+0.50)/2)*1.40	3.64	1820.00	49.47	90035.40	750	4501.77
13	2204	PB-13	600	((4.70+0.50)/2)*1.30	3.38	2028.00	49.47	100325.16	836	5016.26
				TOTAL		21616.40		1069363.31	8911	53468.17
		Name of Village	**Bilgoun**							
1	716	SB-1	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
2	752	SB-2	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
3	751	SB-3	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
4	750	SB-4	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
5	749	SB-5	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
6	1934	SB-6	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
7	1930	SB-7	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
8	1929	SB-8	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
9	1928	SB-9	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97

10	1927	SB-10	140	((4.45+0.6)/2)*1.28	3.23	452.48	49.47	22384.19	187	2238.42
11	2132	SB-11	170	((4.45+0.6)/2)*1.28	3.23	549.44	49.47	27180.80	227	2718.08
12	2135	SB-12	150	((4.45+0.6)/2)*1.28	3.23	484.80	49.47	23983.06	200	2398.31
13	2725	SB-13	160	((4.45+0.6)/2)*1.28	3.23	517.12	49.47	25581.93	213	2558.19
14	2726	SB-14	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
15	2728	SB-15	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
16	932	SB-16	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
17	958	SB-17	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
18	944	SB-18	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
19	943	SB-19	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
20	918	SB-20	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
21	919	SB-21	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
22	911	SB-22	230	((4.45+0.6)/2)*1.28	3.23	743.36	49.47	36774.02	306	3677.40
23	920	SB-23	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
24	921	SB-24	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
25	922	SB-25	190	((4.45+0.6)/2)*1.28	3.23	614.08	49.47	30378.54	253	3037.85
26	1987	SB-26	160	((4.45+0.6)/2)*1.28	3.23	517.12	49.47	25581.93	213	2558.19
27	1994	SB-27	180	((4.45+0.6)/2)*1.28	3.23	581.76	49.47	28779.67	240	2877.97
28	1973	SB-28	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
29	1946	SB-29	300	((4.45+0.6)/2)*1.28	3.23	969.60	49.47	47966.11	400	4796.61
30	1961	SB-30	500	((4.45+0.6)/2)*1.28	3.23	1616.00	49.47	79943.52	666	7994.35
31	2127	SB-31	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
32	1959	SB-32	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
33	1960	SB-33	200	((4.45+0.6)/2)*1.28	3.23	646.40	49.47	31977.41	266	3197.74
34	1958	SB-34	220	((4.45+0.6)/2)*1.28	3.23	711.04	49.47	35175.15	293	3517.51
35	2032	SB-35	240	((4.45+0.6)/2)*1.28	3.23	775.68	49.47	38372.89	320	3837.29
36	2027	SB-36	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
37	2028	SB-37	280	((4.45+0.6)/2)*1.28	3.23	904.96	49.47	44768.37	373	4476.84
38	2029	SB-38	260	((4.45+0.6)/2)*1.28	3.23	840.32	49.47	41570.63	346	4157.06
39	2040	SB-39	280	((4.45+0.6)/2)*1.28	3.23	904.96	49.47	44768.37	373	4476.84
				TOTAL		28183.04		1394214.99	11618	139421.50

		Village	**Bilgoun**							
1	2687	WHB-1	80	((12.0+1.50)/2)*2.50	16.88	1350.00	52.03	70240.50	585	3512.03
2	1963	WHB-2	90	((12.0+2.00)/2)*2.80	19.60	1764.00	52.03	91780.92	765	4589.05
3	1983	WHB-3	100	((12.0+2.00)/2)*2.60	18.20	1820.00	52.03	94694.60	789	4734.73
4	2027	WHB-4	100	((12.0+1.50)/2)*2.50	16.88	1687.50	52.03	87800.63	732	4390.03
5	2039	WHB-5	80	((12.0+1.50)/2)*2.50	16.88	1350.00	52.03	70240.50	585	3512.03
6	2104	WHB-6	60	((12.0+2.00)/2)*2.80	19.60	1176.00	52.03	61187.28	510	3059.36
7	2118	WHB-9	90	((12.0+2.00)/2)*2.60	18.20	1638.00	52.03	85225.14	710	4261.26
8	2122	WHB-10	100	((12.0+1.50)/2)*2.50	16.88	1687.50	52.03	87800.63	732	4390.03
				TOTAL		12473.00		648970.19	5408	32448.51
		Village	**Bilgoun**							
1	2149	ECD-1	100	((12+02)/2)*2.5	17.500	1750.00	52.03	91052.50	759	
2	2108	ECD-2	80	((12+02)/2)*2.3	16.100	1288.00	52.03	67014.64	558	
3	2172	ECD-3	90	((12+02)/2)*2	14.000	1260.00	52.03	65557.80	546	
4	2142	ECD-4	100	((12+1.5)/2)*2.5	16.875	1687.50	52.03	87800.63	732	
5	2202	ECD-5	90	((12+02)/2)*2.3	16.100	1449.00	52.03	75391.47	628	
6	2200	ECD-6	80	((12+02)/2)*2	14.000	1120.00	52.03	58273.60	486	
7	2371	ECD-7	80	((12+1.5)/2)*2.5	16.875	1350.00	52.03	70240.50	585	
				TOTAL		9904.500		515331.14	4294.43	
		Village	**Bilgoun**							
1	1940	CD-1	100	((12.45+1.25)/2)*2.8	19.180	1918.00	52.03	99793.54	832	
2	1944	CD-2	120	((15.50+1.5)/2)*3.5	29.750	3570.00	52.03	185747.10	1548	
3	2720	CD-3	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
4	2483	CD-4	80	((15.50+1.5)/2)*3	25.500	2040.00	52.03	106141.20	885	
5	2372	CD-5	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
6	2491	CD-6	90	((15.50+1.5)/2)*3.5	29.750	2677.50	52.03	139310.33	1161	
7	2475	CD-7	100	((15.50+1.5)/2)*3	25.500	2550.00	52.03	132676.50	1106	
8	2212	CD-8	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
9	2237	CD-9	90	((15.50+1.5)/2)*3	25.500	2295.00	52.03	119408.85	995	
10	2444	CD-10	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	

11	2384	CD-11	80	((15.50+1.5)/2)*3	25.500	2040.00	52.03	106141.20	885	
12	2434	CD-12	80	((15.50+1.5)/2)*3.5	29.750	2380.00	52.03	123831.40	1032	
13	2432	CD-13	80	((15.50+1.5)/2)*3	25.500	2040.00	52.03	106141.20	885	
				TOTAL		31030.50		1614516.92	13454	

	Kathahari	
	QTY	COST
CB	796.00	33519.56
WHB	3150.00	163894.50
	3946.00	**197414.06**
	Bilgoun	
	QTY	COST
CB	10541.90	443919.41
MB	21245.96	1051037.39
PB	21616.40	1069363.31
SB	28183.04	1394214.99
WHB	12473.00	648970.19
ECD	9904.500	515331.14
CD	31030.50	1614516.92
	134995.30	**6737353.34**
GT	**138941.30**	**6934767.40**
	MWS	
CB	11337.90	477438.97
MB	21245.96	1051037.39
PB	21616.40	1069363.31
SB	28183.04	1394214.99
WHB	15623.00	812864.69
ECD	9904.500	515331.135
CD	31030.50	1614516.92
	138941.30	**6934767.40**

ANNEXURE-II

LIVELIHOOD ACTION PLAN

Annual Action Plan for Livelihood (Physical & Financial)

Activities of SHGs	unit	First Year 2010-11		Second Year 2011-12		Third Year 2012-13		Fourth Year 2013-14		Total Project	
		Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial
(1) Activity Goatary											
(a) No. of SHG's	No.	12	3.172	25	6.34	25	6.34	0	0	62	15.860
(b) No. of members	No.	180		400		400		0	0	980	
(c) Estimated income per year	Rs.	14.88		29.8		29.8		0	0	74.4	
(2) Activity- Back Yard Poultry								0	0		
(a) No. of SHG's	No.	3	0.820	6	1.64	6	1.64	0	0	15	4.100
(b) No. of members	No.	90		750		750		0	0	1890	
(c) Estimated income per year	Rs.	1.704		3.408		3.408		0	0	8.520	
(3) Activity- Poultry , Broiler								0	0		
(a) No. of SHG's	No.	8	1.900	15	3.80	15	3.80	0	0	38	9.500
(b) No. of members	No.	50		370		370		0	0	790	
(c) Estimated income per year	Rs.	7.144		14.288		14.288		0	0	35.720	
(4) Black Smithy								0	0		
(a) No. of SHG's	No.	2	0.606	5	1.21	5	1.21	0	0	12	3.030
(b) No. of members	No.	10	0	40	0	40	0	0	0	90	
(c) Estimated income per year	Rs.	2.352	0	4.704	0	4.704	0	0	0	11.76	
(5) Rope making								0	0		
(a) No. of SHG's	No.	2	0.576	5	1.15	5	1.15	0	0	12	2.880
(b) No. of members	No.	10	0	40	0	40	0	0	0	90	0

(c) Estimated income per year	Rs.	2.352	0	4.704	0	4.704	0	0	0	11.76	
(6) Tailoring								0	0		
(a) No. of SHG's	No.	2	0.598	5	1.20	5	1.20	0	0	12	2.990
(b) No. of members	No.	10	0	40	0	40	0	0	0	100	
(c) Estimated income per year	Rs.	2.352	0	4.704	0	4.704	0	0	0	11.76	
(7) Implements repair								0	0		
(a) No. of SHG's	No.	2	0.366	5	0.73	5	0.73	0	0	12	1.830
(b) No. of members	No.	10	0	40	0	40	0	0	0	100	
(c) Estimated income per year	Rs.	2.352	0	4.704	0	4.704	0	0	0	11.76	
(8) Vermi Composting								0	0		
(a) No. of SHG's	No.	6	1.433	12	2.87	12	2.87	0	0	30	7.165
(b) No. of members	No.	20		170		170		0	0	360	
(c) Estimated income per year	Rs.	5.880	0.000	11.760	0.000	11.760	0.000	0	0	29.400	
(9) Food processing								0	0		
(a) No. of SHG's	No.	2	0.588	5	1.18	5	1.18	0	0	12	2.940
(b) No. of members	No.	10	0	40	0	40	0	0	0	100	
(c) Estimated income per year	Rs.	2.352	0	4.704	0	4.704	0	0	0	11.76	
(10) Mini Dal Mill								0	0		
(a) No. of SHG's	No.	2	0.588	5	1.18	5	1.18	0	0	12	2.940
(b) No. of members	No.	10	0	40	0	40	0	0	0	100	
(c) Estimated income per year	Rs.	2.352	0	4.704	0	4.704	0	0	0	11.76	
(11) Mini Flour Mill								0	0		
(a) No. of SHG's	No.	2	0.564	5	1.13	5	1.13	0	0	12	2.820
(b) No. of members	No.	10	0	40	0	40	0	0	0	100	
(c) Estimated income per year	Rs.	2.352	0	4.704	0	4.704	0	0	0	11.76	
(12) Mini Oil Expeller								0	0		
(a) No. of SHG's	No.	2	0.588	5	1.18	5	1.18	0	0	12	2.940

(b) No. of members	No.	10	0	40	0	0	0	0	0	0	
(c) Estimated income per year	Rs.	2.352	0	4.704	0	4.704	0	0	0	0	
(13) Carpentry											
(a) No. of SHG's	No.	2	1.139	5	2.28	5	2.28	0 0	0 0	12	5.695
(b) No. of members	No.	10	0	40	0	40	0	0	0	100	
(c) Estimated income per year	Rs.	2.352	0	4.704	0	4.704	0	0	0	11.76	
Total								0	0		64.690

1. 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 *(Eisinia fetida)* *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 Adult	10 Nos 01	3000 3000	1 (10 FF)	30000.00 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 12	Back yard Poultry Linseed rope making	Chicks Rope making machine	2000 01	18 35000	2 (20 FF) 1 (10 FF)	36000.00 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

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

Physical & Financial Outlay/ Target	Financial	2010-11		2011-12		2012-13		2013-14		Total	
		Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial
(1) Agriculture											
(a) Crop demonstration											
(1) No. of dem.	No.	270	4.056	540	8.112	540	8.112			1350	20.280
(2) Area	Ha.	135		270		211.2					
(b) Seed Production											
(1) No. of dem.	No.	110	2.800	220	5.600	220	5.600			550	14.000
(2) Area	Ha.	55		110		110				184	
(2) Agro-forestry / Agri-Horticulture											
(a) Area	Ha.	8	1.100	16	2.200	16	2.200			40	5.500
(b) No. of Plants	No.										
(3) Afforestation		3000	0.700	6000	1.400	6000	1.400			15000	3.500
(a) Scattered Plantation	No	3000	0.700	6000	1.400	6000	1.400			15000	3.500
(4) Animal husbandry											
(a) Green fodder	Ha./no. farmer	8/16	0.3	16/32	0.6	16/32	0.6	10/20	0	35/70	1.689
(b) Rearing of milch cattle											
(i) Cow	No. of unit/ farmer no.	250	0.020	650	0.030	650	0.030	250	0.020	1800	0.100
(ii) Buffalows	No. of unit/ farmer no.	350	0.300	700	0.450	700	0.450	350	0.300	2100	1.500
(c) Goatary	„	250	0.300	550	0.450	550	0.450	250	0.300	1600	1.500

(d) Poultry	„	4	0.262	15	0.393	15	0.393	4	0.262	38/38	1.310
(e) Fisheries		0	0.400	3	0.600	6	0.600	6	0.400	15/30	2.000
(f) Dairy		10	0.400	38	0.600	38	0.600	10	0.400	95	2.000
(g) Health camps	No.	1256	0.400	3769	0.600	3769	0.600	3769	0.400	12562	2.000
(h) Artificial insemination	No. of animals	377	0.600	880	0.900	880	0.900	377	0.600	2513	3.000
(i) Natural service bull	No.	-	1.200	8	1.800	880	1.800	-	1.200	8	6.000
(5) Micro Interprises									0.000		0.000
(a) No. of units	No.	0	0	2	4	0	0	0	0.000	2	4.000
(b) No. of beneficiaries	No.			25							
(c) Income per year	Rs.			2.5							71.88

Estimates of different Participatory crop trials

Pulses	**Rabi**	**ICM**	**Lentil**	
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Narendra Masoor-1, DPL-15, L-4076, Pusa Vaibhav	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
	Late- IPL-81, K-75			
2. Sowing Time	IInd week of October			
		Rate(Rs/kg/ Pkt)	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	50 kg / ha (F1,F2, Certified)	80	4000	2000.00
7. Use Weedicide	Pendimethalin 3.3 li/ha	465	1535	767.25
	(Pre emergence)			
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00

12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**4743.25**
Integrated Crop Management	**Chickpea**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	KGD-1168, KWR-108, Pusa-256, Pusa-367	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
	Late- Udai			
2. Sowing Time	1st week of October			
		Rate(Rs/kg/ Pkt)	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	80 kg / ha (F1,F2, Certified)	65	5200	2600.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1535	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			

ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
NPV	250 LE/ha at the time pod formation	200	200	100.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**5443.25**
Integrated Crop Management	**Field Pea**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	KMPR-400, KPMR-522, Rachna, Shikha	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	IInd week of October			
		Rate(Rs/kg/ Pkt)	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	100 kg / ha (F1,F2, Certified)	60	6000	3000.00
7. Use Weedicide	Pendimethalin 3.3 li/ha	465	1535	767.25

	(Pre emergence)			
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**5743.25**
Integrated Crop Management	**Urd**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Shekhar-2, Azad-1, PU-35, Narendra Urd-1	C. S. A. Unversity 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	1600	800.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1535	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**3543.25**
Integrated Crop Management	**Moong**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		

1. Name of Varieties	T.M-9937, Meha, Pant Moong-1,2 Late- Type-44, Samrat	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Last week of June			
		Rate(Rs/kg/ Pkt)	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	16 kg / ha (F1,F2, Certified)	100	1600	800.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1535	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
NPV	250 LE/ha at the time pod formation	200	200	100.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder 25 kg / ha	25	625	312.50
	Total (Less SSP)			**3643.25**

Integrated Crop Management **Area of Demonstration - 0.50 ha**	**Arhar**			
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Paras, UPAS-120, Type-21, Pusa-992 (Wilt rest.) Late- Bahar, Narendra Arhar-1, Azad	C. S. A. Unversity 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	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	20 kg / ha (F1,F2, Certified)	120	2400	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	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
15:45:20 NPK				
i) DAP*	100 kg	15	1500	750.00
ii) SSP*	250 kg	8	2000	1000.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50

	Total			**2951.00**
Integrated Crop Management	**Linseed**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Sweta, Subhra, Garima, Shekhar, Parwati Late- Laxmi-27, Padmini	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Mid October	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	30 kg / ha (F1,F2, Certified)	75	2250	1125.00
7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
50:40:40 NPK				
i) DAP* ii) SSP*	125 kg 275 kg	15 8	1875 2200	937.50 1100.00
iii) Urea	50 kg	6	300	150.00
iv) MOP	50 kg	7	350	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00

Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**2949.50**
Integrated Crop Management	**Mustard**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Varuna, Kranti, Rohini, Vaibhav, Pusa Bold Late-Ashirvad, Vardan	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	October first week	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	6 kg / ha (F1,F2, Certified)	150	900	450.00
7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
60:50:30 NPK				
i) DAP*	180 kg	15	2700	1350.00
ii) SSP*	275 kg	8	2200	1100.00
iii) Urea	75 kg	6	450	225.00
iv) MOP	50 kg	7	350	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				

Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha **Total (Less SSP)**	25	625	312.50 **2762.00**
Integrated Crop Management	**Toriya**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Type-9, PT-303, PT-30 Late-Bhawani	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of 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	800	400.00
7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
50:30:30 NPK				
i) DAP*	125 kg	15	1875	937.50
ii) SSP*	275 kg	8	2200	1100.00
iii) Urea	50 kg	6	300	150.00
iv) MOP	50 kg	7	350	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				

Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha **Total (Less SSP)**	25	625	312.50 **2224.50**
Integrated Crop Management Til (Sesamum)				
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Type-4,12,13,78, Shekhar Late- Pragati, Tarun	C. S. A. Unversity 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	600	300.00
7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
30:15:25 NPK				
i) DAP*	80 kg	15	1200	600.00
ii) SSP*	225 kg	8	1800	900.00
iii) Urea	30 kg	6	180	90.00
iv) MOP	40 kg	7	280	140.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				

Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha **Total (Less SSP)**	25	625	312.50 **1692.00**
Integrated Crop Management	**Wheat**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	UP-2338,WH-542,PBW-343,502,550, K-9006,307	C. S. A. Unversity 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	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	100 kg / ha (F1,F2, Certified)	25	2500	1250.00
7. Use Weedicide	Total - at 28 to 32 at after sowing	950	950	475.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
120:60:40 NPK				
i) DAP*	325 kg	15	4875	2437.50
ii) SSP*	-	-	-	0.00
iii) Urea	100 kg	6	600	300.00
iv) MOP	80 kg	7	560	280.00
v) Zinc	30 kg /ha	25	750	375.00
13. IPM				

Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha **Total (Less SSP)**	25	625	312.50 **5781.50**
Integrated Crop Management	**Maize**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Hyb. Duccan-103, 105, Sankul - Dhawal, Shakti-1, Popcorn- Amber, V.L. Amber, Perl popcorn	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	15 Oct. to 15 Nov.	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	22 kg / ha (F1,F2, Certified)	60	1320	660.00
4. Seed Treatement	Thirum & 25 ml Chloropiryphose	60	60	30.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
100:60:40 NPK				
i) DAP*	265 kg	15	3975	1987.50
ii) SSP*	-	-	-	0.00
iii) Urea	80 kg	6	480	240.00
iv) MOP	50 kg	7	350	175.00
v) Zinc	-	-	-	0.00

13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder 25 kg / ha	25	625	312.50
	Total (Less SSP)			**3756.50**
Integrated Crop Management	**Maize**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Hybrid- Ganga-11, Sartaj, Prakash, Pusa Hybrid Maize5, Composite-Prabhat, Navjyoti, Pusa Composite-2, Naveen	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Mid June	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	20 kg / ha (F1,F2, Certified)	40	800	400.00
4. Seed Treatement	Thirum & 25 ml Chloropiryphose	60	60	30.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
100:60:40 NPK				
i) DAP*	265 kg	15	3975	1987.50
ii) SSP*	-	-	-	0.00
iii) Urea	80 kg	6	480	240.00
iv) MOP	50 kg	7	350	175.00
v) Zinc	-	-	-	0.00

13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder 25 kg / ha	25	625	312.50
	Total (Less SSP)			**3496.50**
Integrated Crop Management	**Sorghum**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	CSV-13, 15, 1616, Bundela CSH-16	C. S. A. Unversity 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	480	240.00
4. Seed Treatement	Thirum & 25 ml Chloropiryphose	60	60	30.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
80:40:20 NPK				
i) DAP*	280 kg	15	4200	2100.00
ii) SSP*	-	-	-	0.00
iii) Urea	100 kg	6	600	300.00
iv) MOP	80 kg	7	560	280.00
v) Zinc	-	-	-	0.00

13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder 25 kg / ha	25	625	312.50
	Total (Less SSP)			**3614.00**

CROP DEMONSTRATION

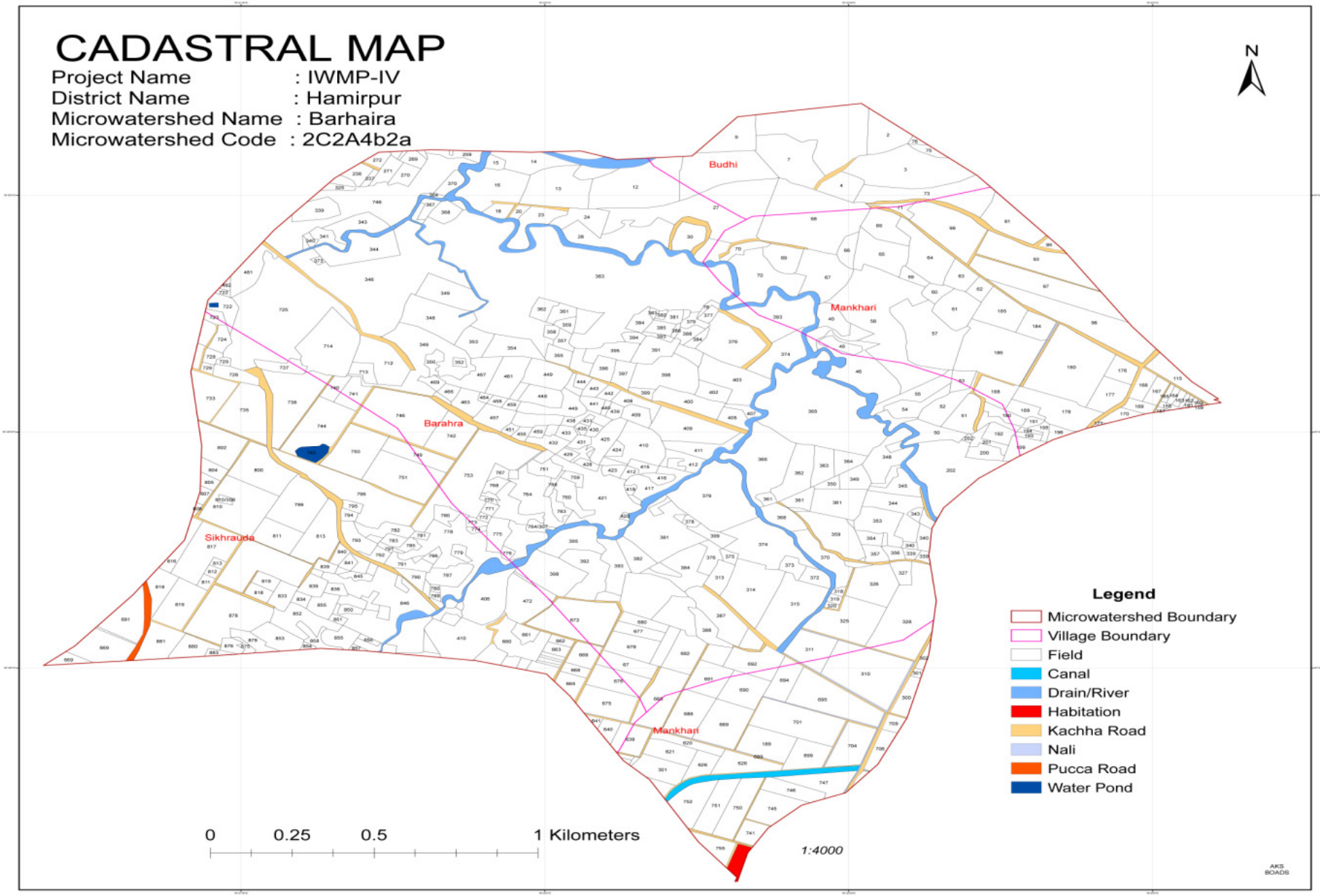
S.No	Name Of Micro watershed With Code	Cost Of Production System	No Of Demonstration
1	Chheriha Khurd (2C7E2d2c)	7.98	240
2	Chheriha Bujurg (2A7E2d2b)	6.96	220
3	Jaromafi-I (2A7E2d2k)	8.58	260
4	Jaromafi-II (2A7E2d2a)	8.76	270
5	Chulhi (2A7E2c2f)	8.08	250
6	Barahmafi (2A7E2d1c)	10.26	285
7	Jhari (2A7E2c2e)	12.00	300
	Total	**62.62**	**1825**

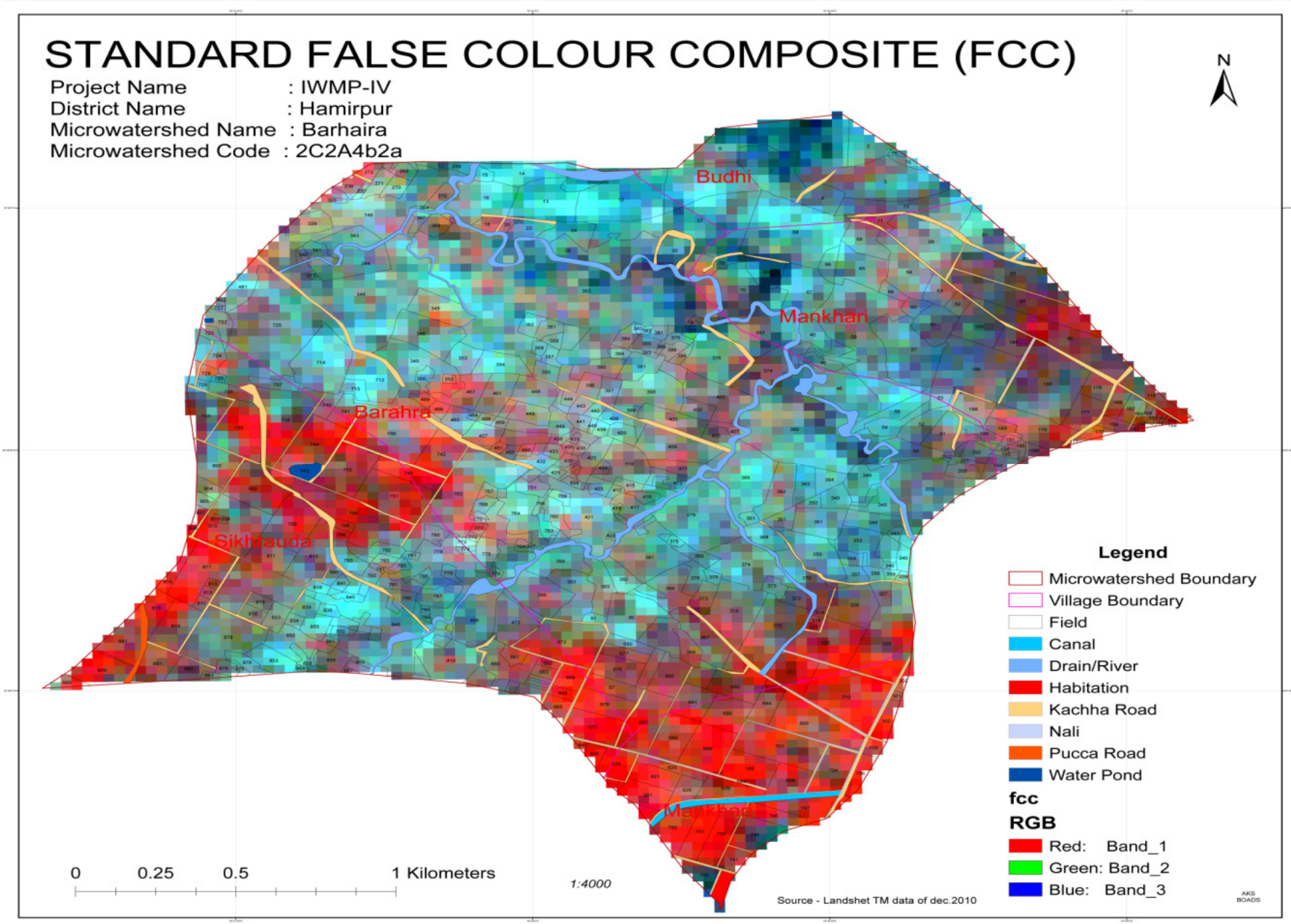
A	KHARIF	Urd		Moong		Arhar		Sorghum		Til		TOTAL	
		No	Amt	No	Amt	No	Amt	No	Amt	No	Amt	No	Amt
S.No	Name Of Micro watershed With Code												
1	Chheriha Khurd (2C7E2d2c)	14	0.48	16	0.543	30	0.990	19	0.638	16	0.543	96	3.19
2	Chheriha Bujurg (2A7E2d2b)	13	0.42	15	0.473	27	0.863	18	0.557	15	0.473	88	2.78
3	Jaromafi-I (2A7E2d2k)	16	0.51	18	0.583	32	1.064	21	0.686	18	0.583	104	3.43
4	Jaromafi-II (2A7E2d2a)	16	0.53	18	0.596	33	1.086	22	0.701	18	0.596	108	3.50

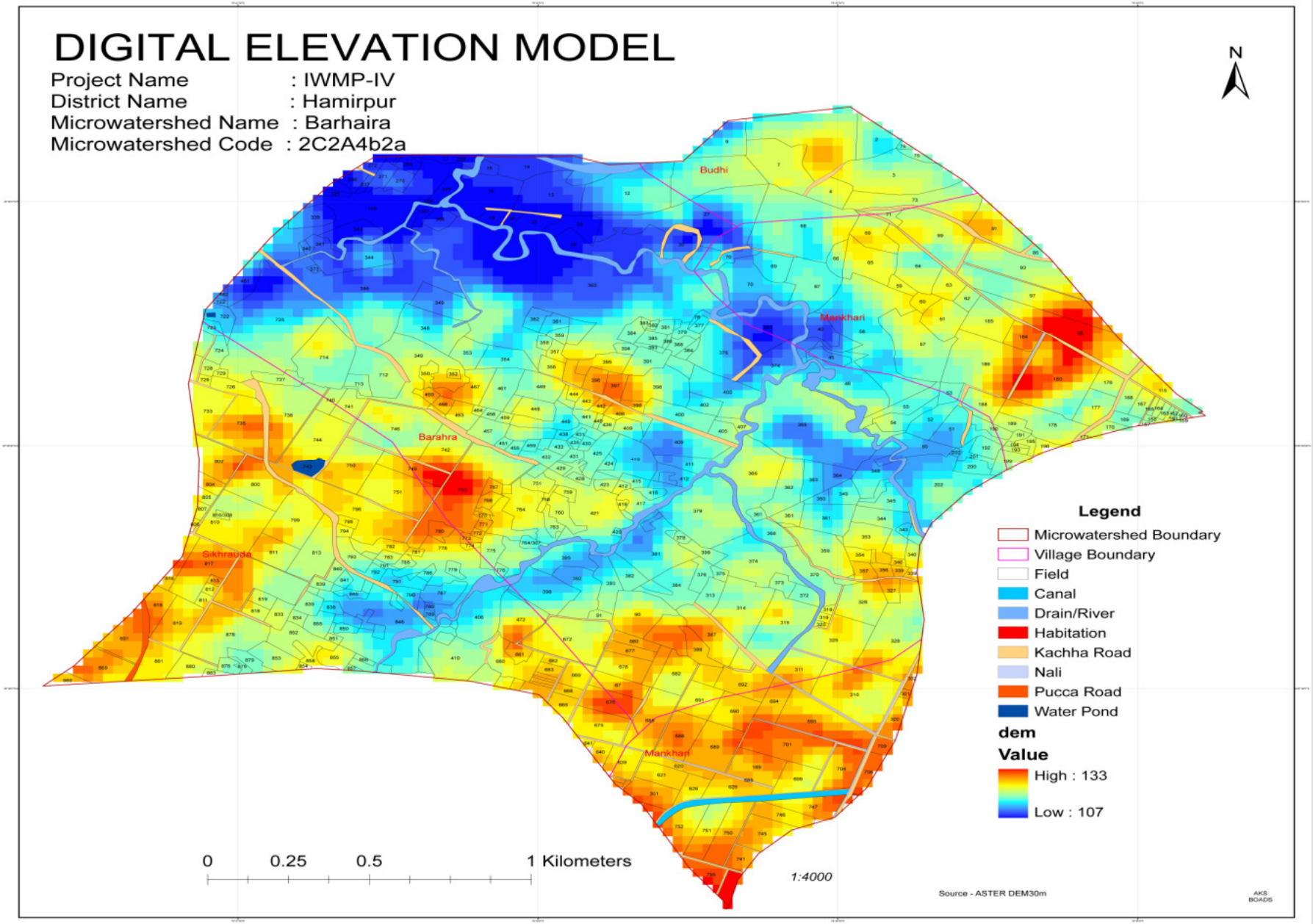
5	Chulhi (2A7E2c2f)	15	0.48	17	0.549	31	1.001	20	0.646	17	0.549	100	3.23
6	Barahmafi (2A7E2d1c)	17	0.62	19	0.698	35	1.272	23	0.821	19	0.698	114	4.10
7	Jhari (2A7E2c2e)	18	0.72	20	0.816	37	1.488	24	0.960	20	0.816	120	4.80
	Total	**110**	**3.757**	**124**	**4.258**	**226**	**7.764**	**146**	**5.009**	**124**	**4.258**	**730**	**25.05**

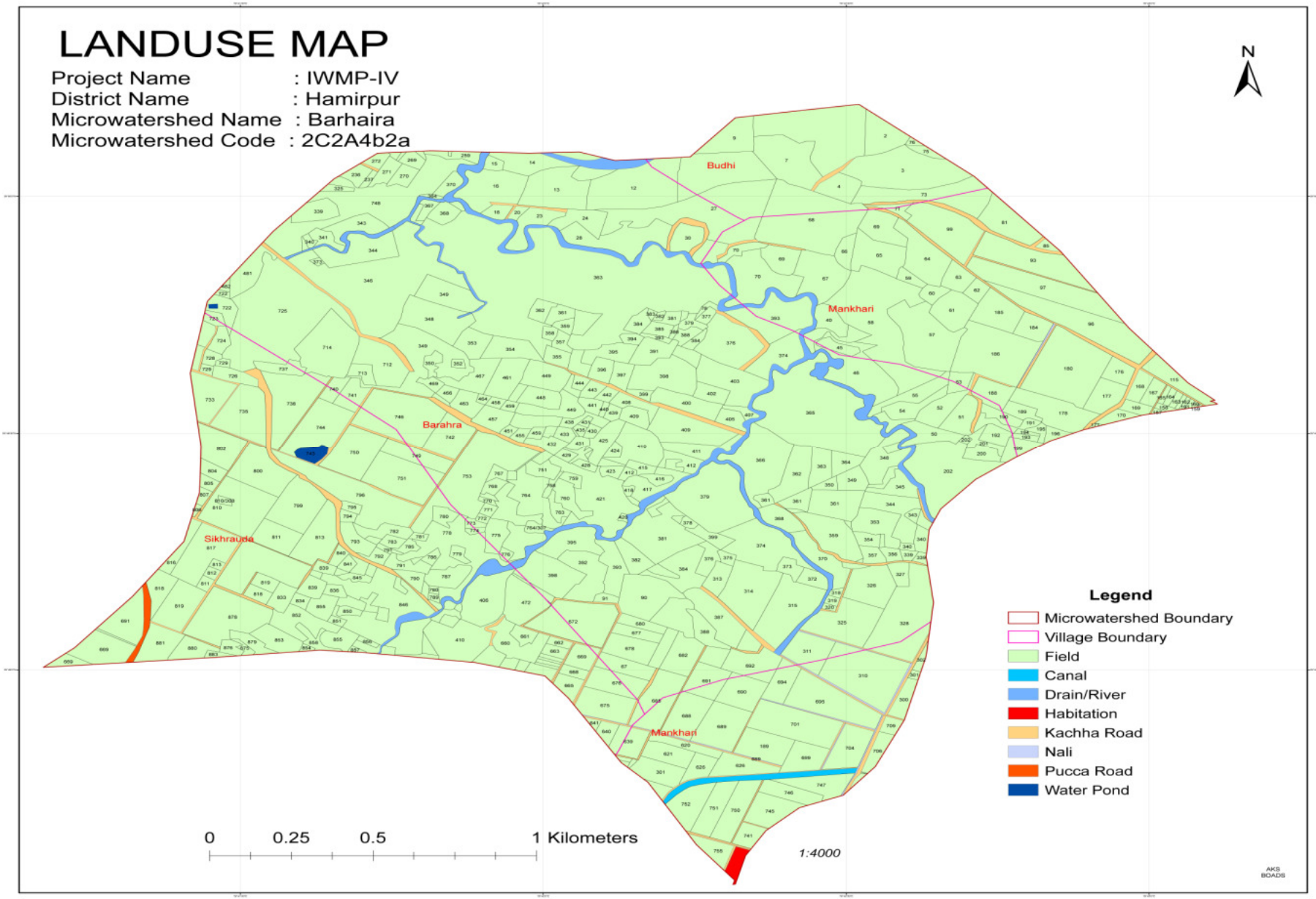
RABI	**Wheat**		**Barley**		**Lentil**		**Gram**		**Mustard**		**Linseed**		**Total**	
	No	**Amt**	**No**	**Amt**	**No**	**Amt**	**No**	**Amt**	**No**	**Amt**	**No**	**Amt**	**No**	**Amt**
Name Of Micro watershed With Code														
Chheriha Khurd (2C7E2d2c)	35	1.6758	17	0.43	22	0.53	32	1.053	27	0.622	12	0.48	144	4.79
Chheriha Bujurg (2A7E2d2b)	32	1.4616	16	0.38	20	0.46	29	0.919	25	0.543	11	0.42	132	4.18
Jaromafi-I (2A7E2d2k)	37	1.8018	19	0.46	23	0.57	34	1.133	30	0.669	12	0.51	156	5.15
Jaromafi-II (2A7E2d2a)	39	1.8396	19	0.47	24	0.58	36	1.156	31	0.683	13	0.53	162	5.26
Chulhi (2A7E2c2f)	36	1.69596	18	0.44	23	0.53	33	1.066	29	0.630	12	0.48	150	4.85
Barahmafi (2A7E2d1c)	41	2.1546	21	0.55	26	0.68	38	1.354	32	0.800	14	0.62	171	6.16
Jhari (2A7E2c2e)	43	2.52	22	0.65	27	0.79	40	1.584	34	0.936	14	0.72	180	7.20
	263	**13.149**	**131**	**3.38**	**164**	**4.13**	**241**	**8.265**	**208**	**4.884**	**88**	**3.76**	**1095**	**37.57**

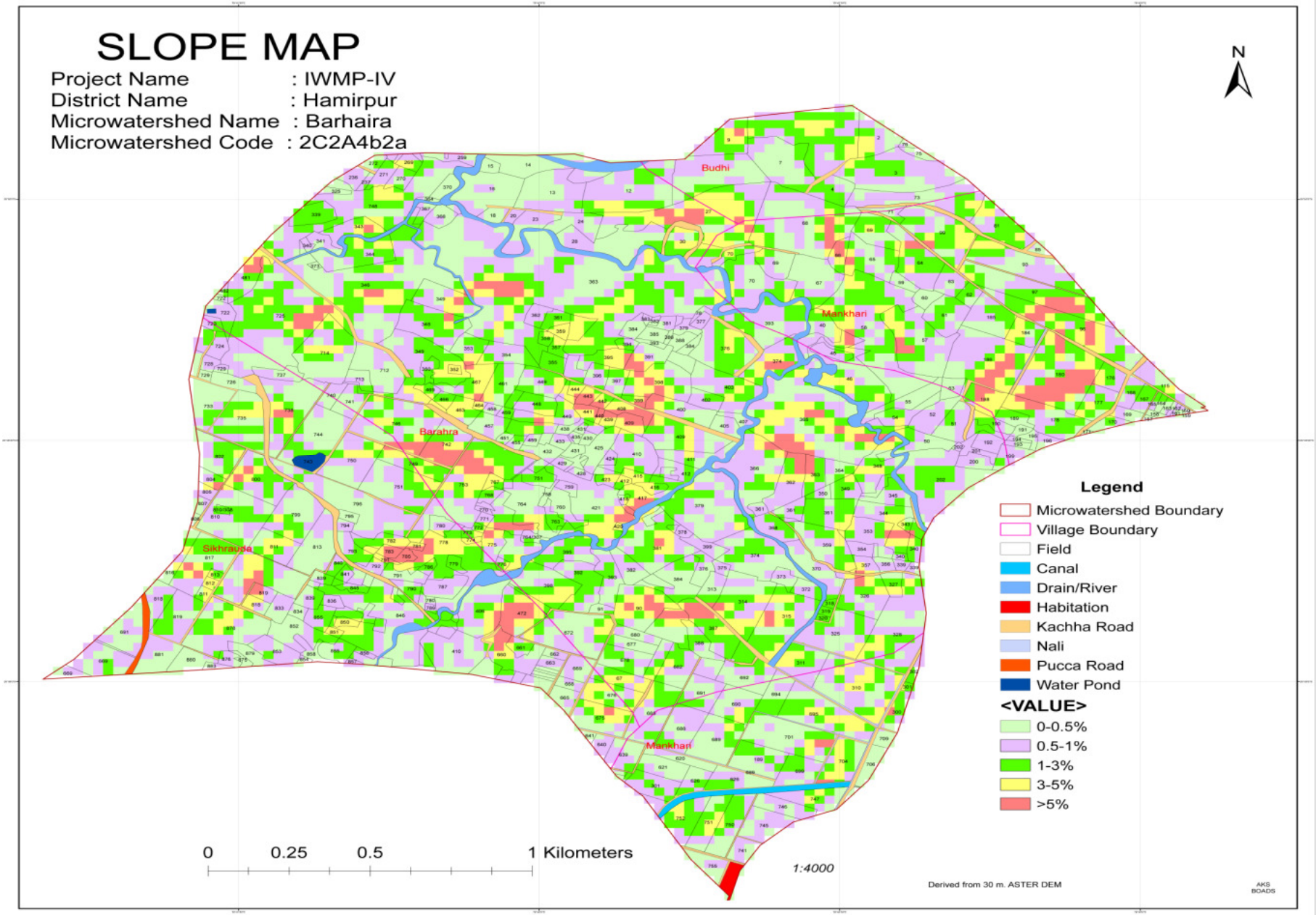
MAPS

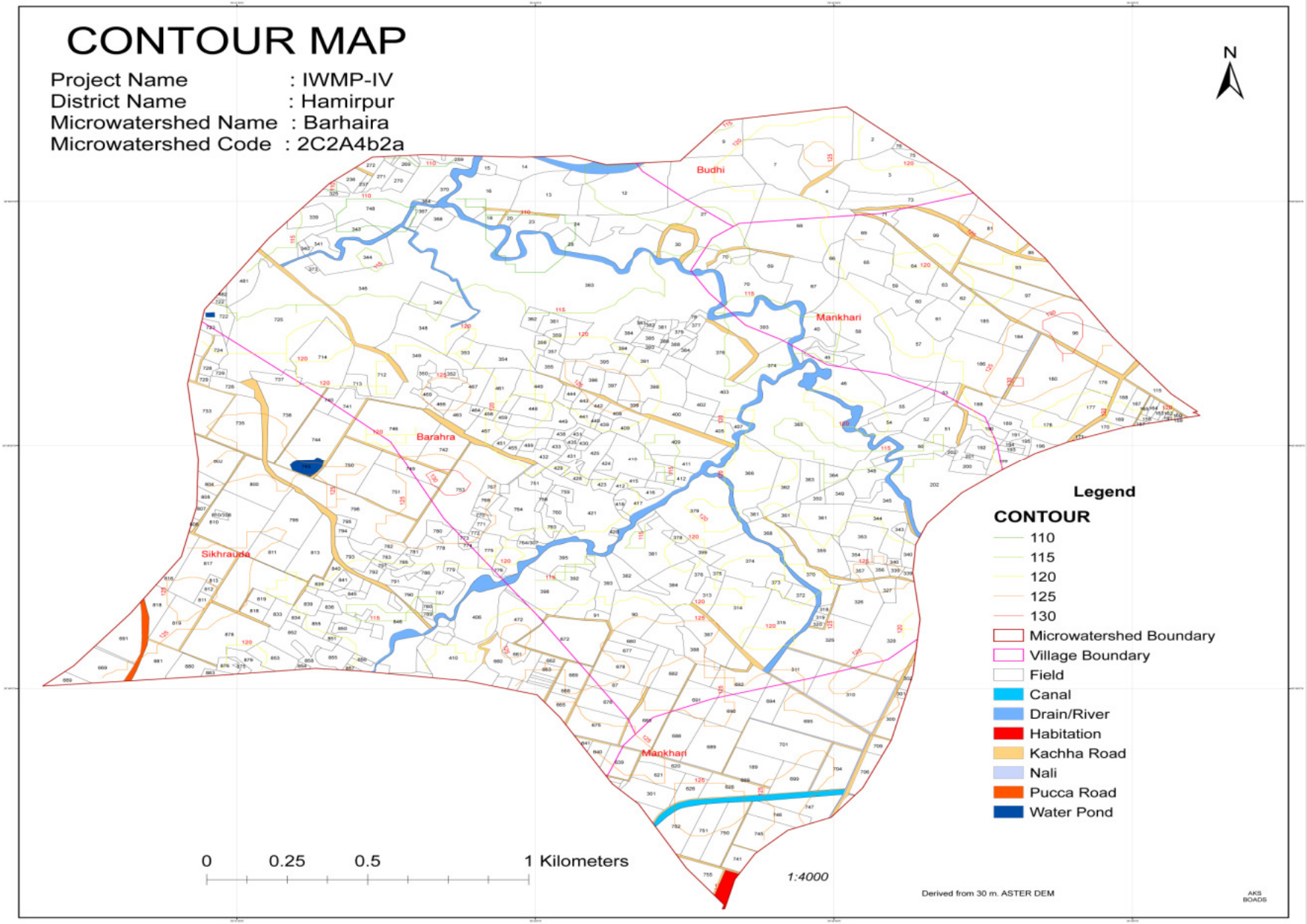

CADASTRAL MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Barhaira
Microwatershed Code : 2C2A4b2a
N
Budhi
Mankhari
Barahra
Sikhrauda
Mankhari
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain/River
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
0 0.25 0.5 1 Kilometers
1:4000
AKS BOADS

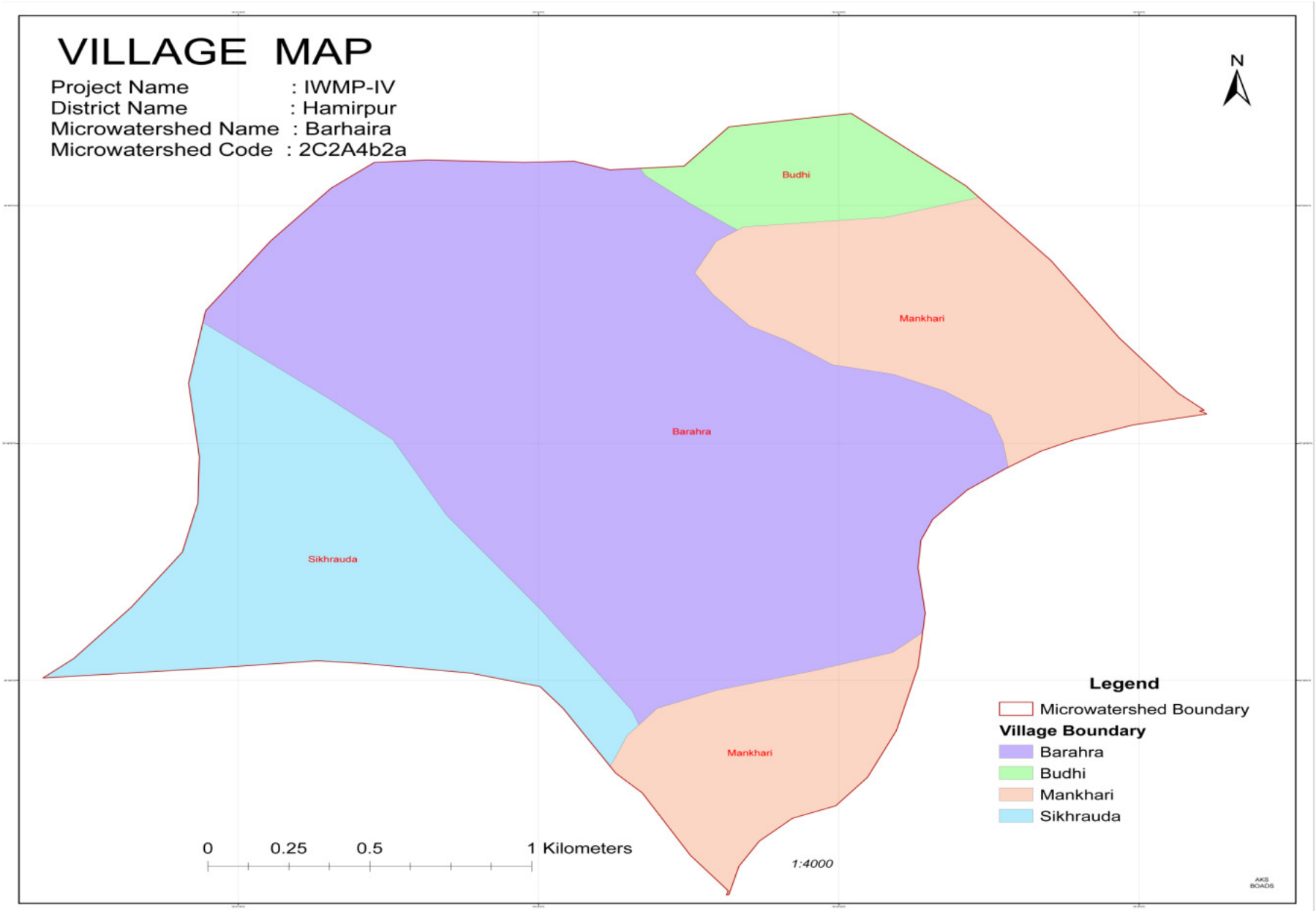

STANDARD FALSE COLOUR COMPOSITE (FCC)
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Barhaira
Microwatershed Code : 2C2A4b2a
N
Budhi
Mankhari
Barahra
Sikhrauda
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain/River
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
fcc
RGB
Red: Band_1
Green: Band_2
Blue: Band_3
0 0.25 0.5 1 Kilometers
1:4000
Source - Landshet TM data of dec.2010


DIGITAL ELEVATION MODEL
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Barhaira
Microwatershed Code : 2C2A4b2a
N
Budhi
Mankhari
Barahra
Sikhrauda
Mankhari
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain/River
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
dem
Value
High : 133
Low : 107
0 0.25 0.5 1 Kilometers
1:4000
Source - ASTER DEM30m
AKS BOADS


LANDUSE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Barhaira
Microwatershed Code : 2C2A4b2a
N
Budhi
Mankhari
Barahra
Sikhrauda
Mankhari
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain/River
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
0 0.25 0.5 1 Kilometers
1:4000
AKS BOADS

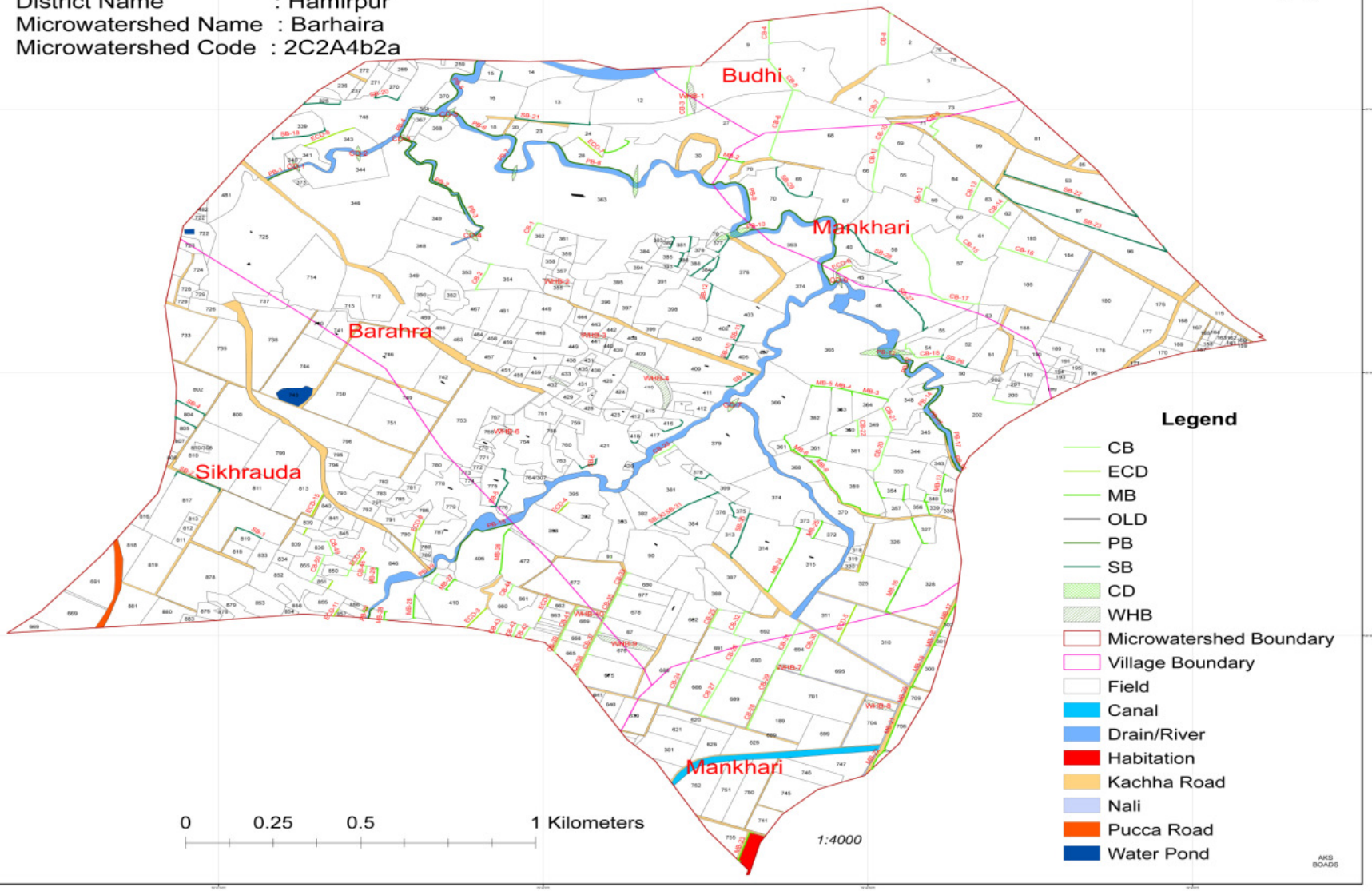

SLOPE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Barhaira
Microwatershed Code : 2C2A4b2a
N
Budhi
Mankhari
Barahra
Sikhrauna
Mankhari
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain/River
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
0 0.25 0.5 1 Kilometers
1:4000
Derived from 30 m. ASTER DEM
AKS BOADS

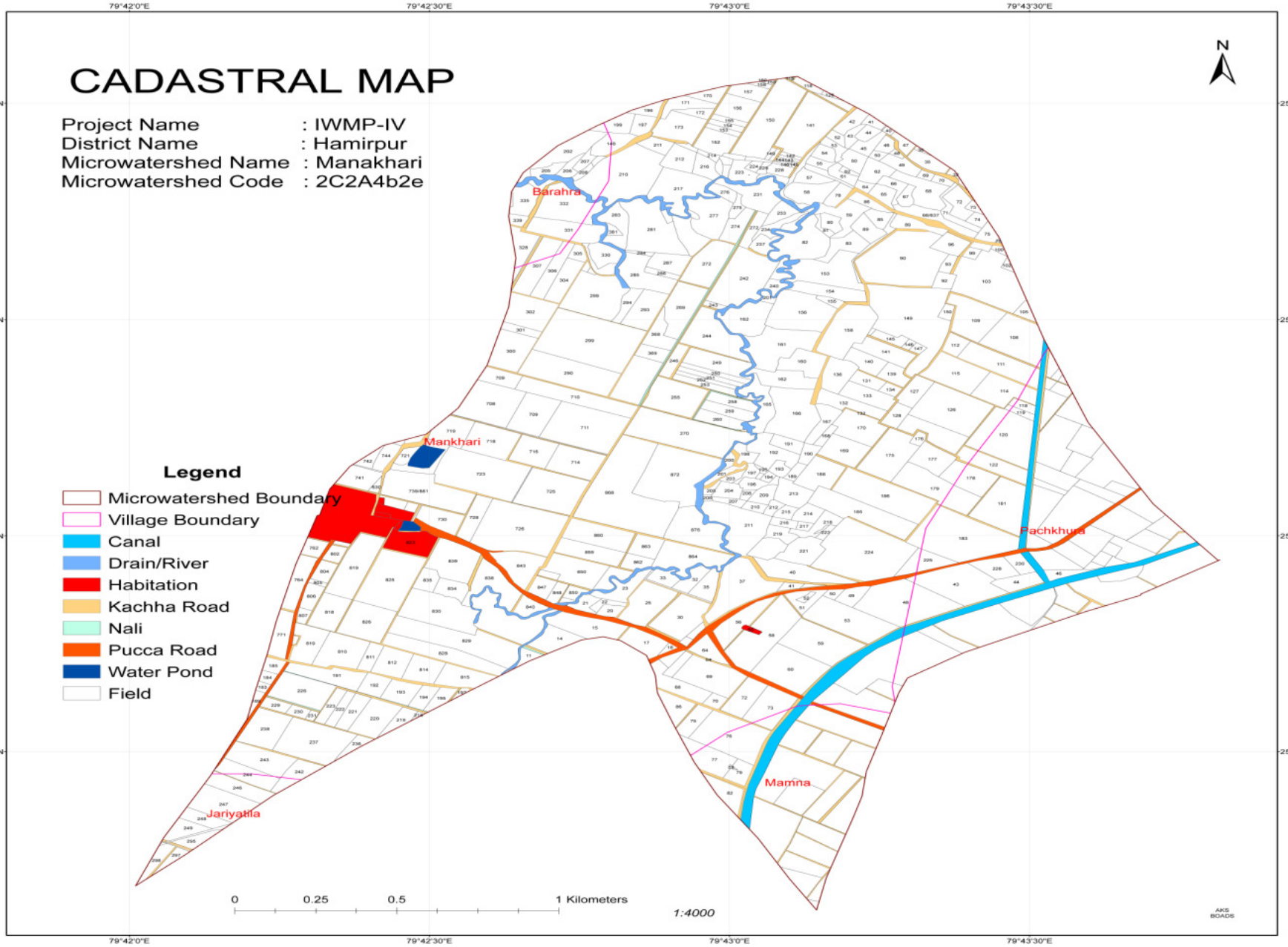

CONTOUR MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Barhaira
Microwatershed Code : 2C2A4b2a
N
Budhi
Mankhari
Barahra
Sikhrauda
Mankhari
Legend
CONTOUR
110
115
120
125
130
Microwatershed Boundary
Village Boundary
Field
Canal
Drain/River
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
0 0.25 0.5 1 Kilometers
1:4000
Derived from 30 m. ASTER DEM
AKS BOADS

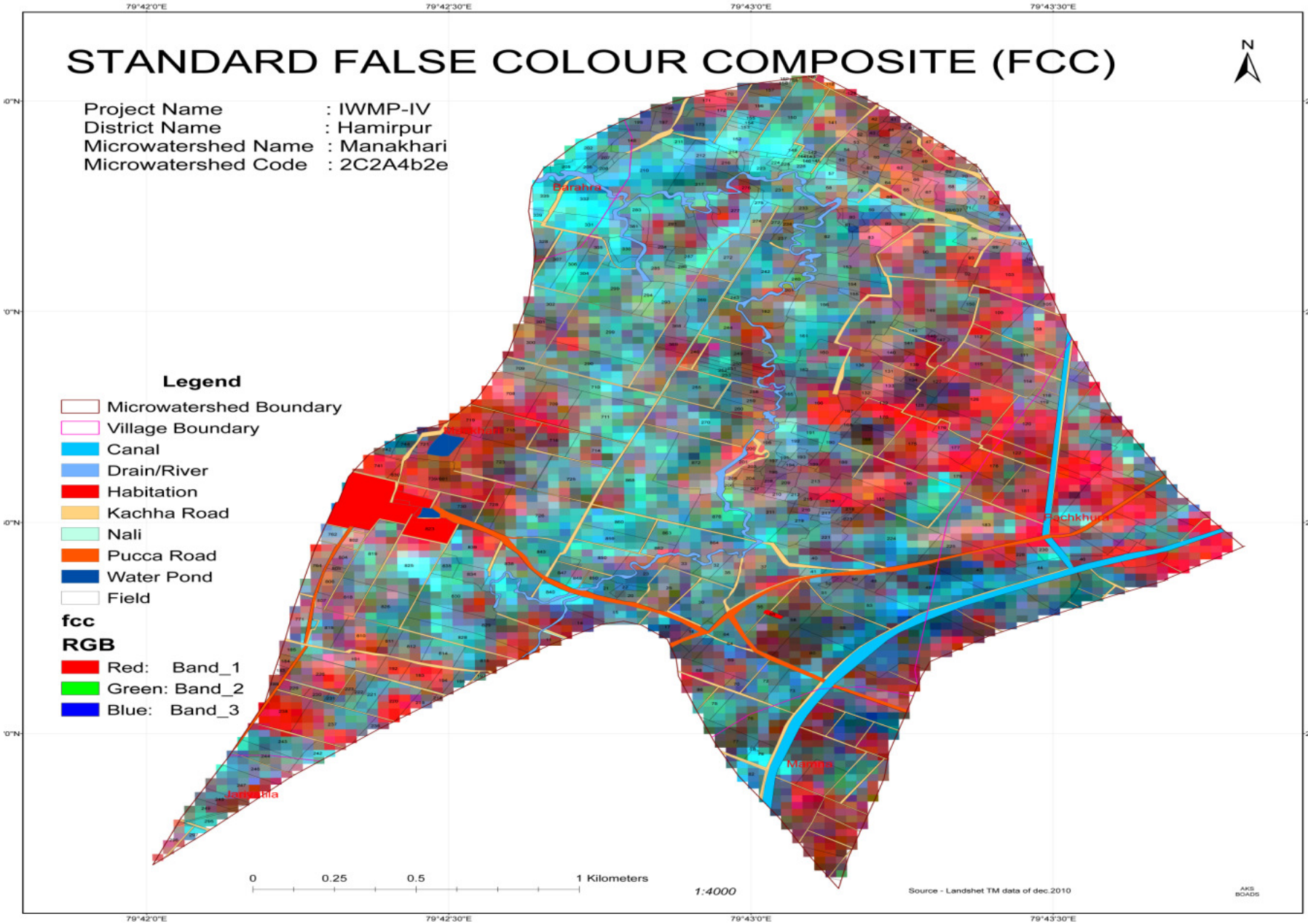

VILLAGE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Barhaira
Microwatershed Code : 2C2A4b2a
N
Budhi
Mankhari
Barahra
Sikhrauda
Mankhari
Legend
Microwatershed Boundary
Village Boundary
Barahra
Budhi
Mankhari
Sikhrauda
0 0.25 0.5 1 Kilometers
1:4000
AKS BOADS

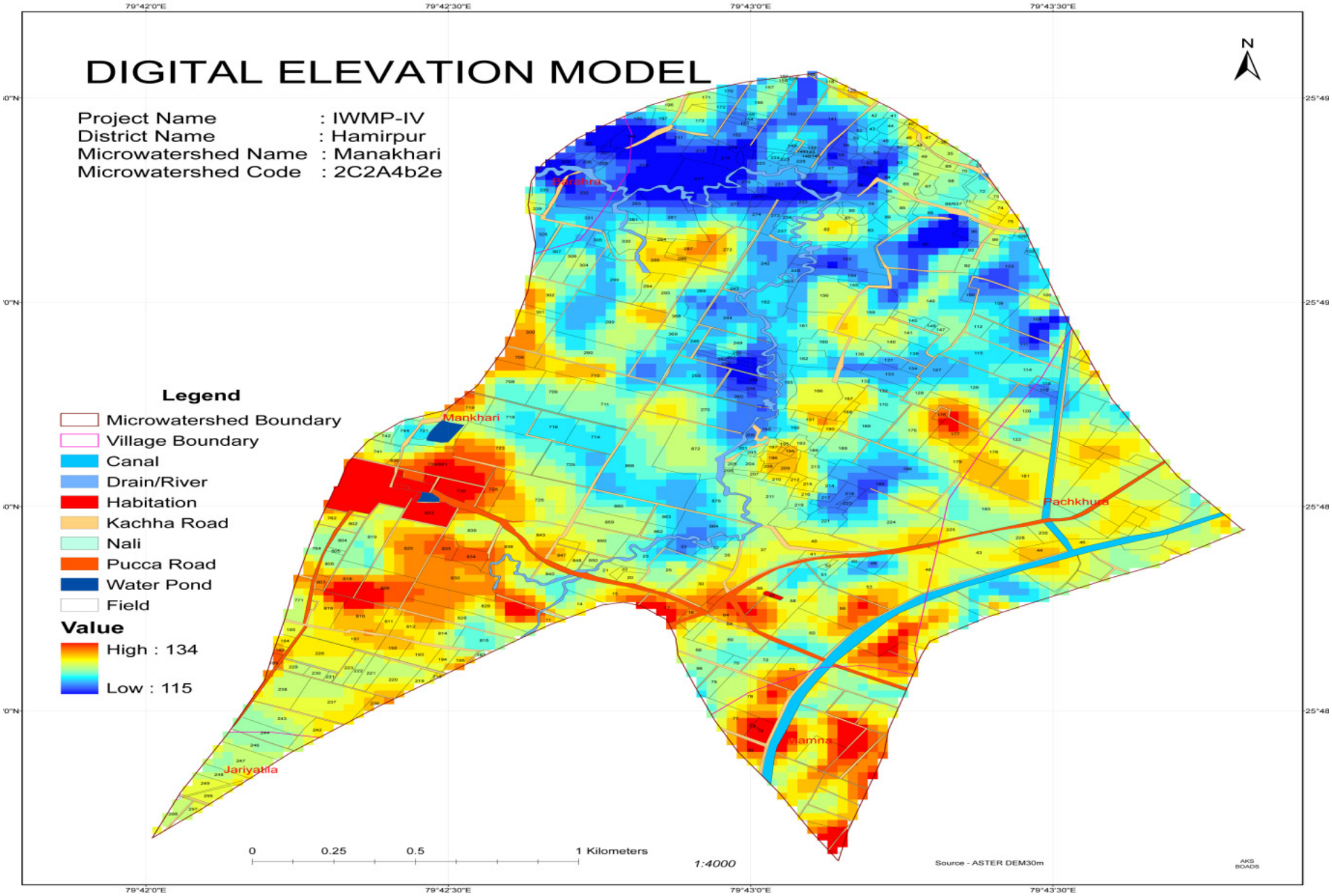
PROPOSED PLAN MAP

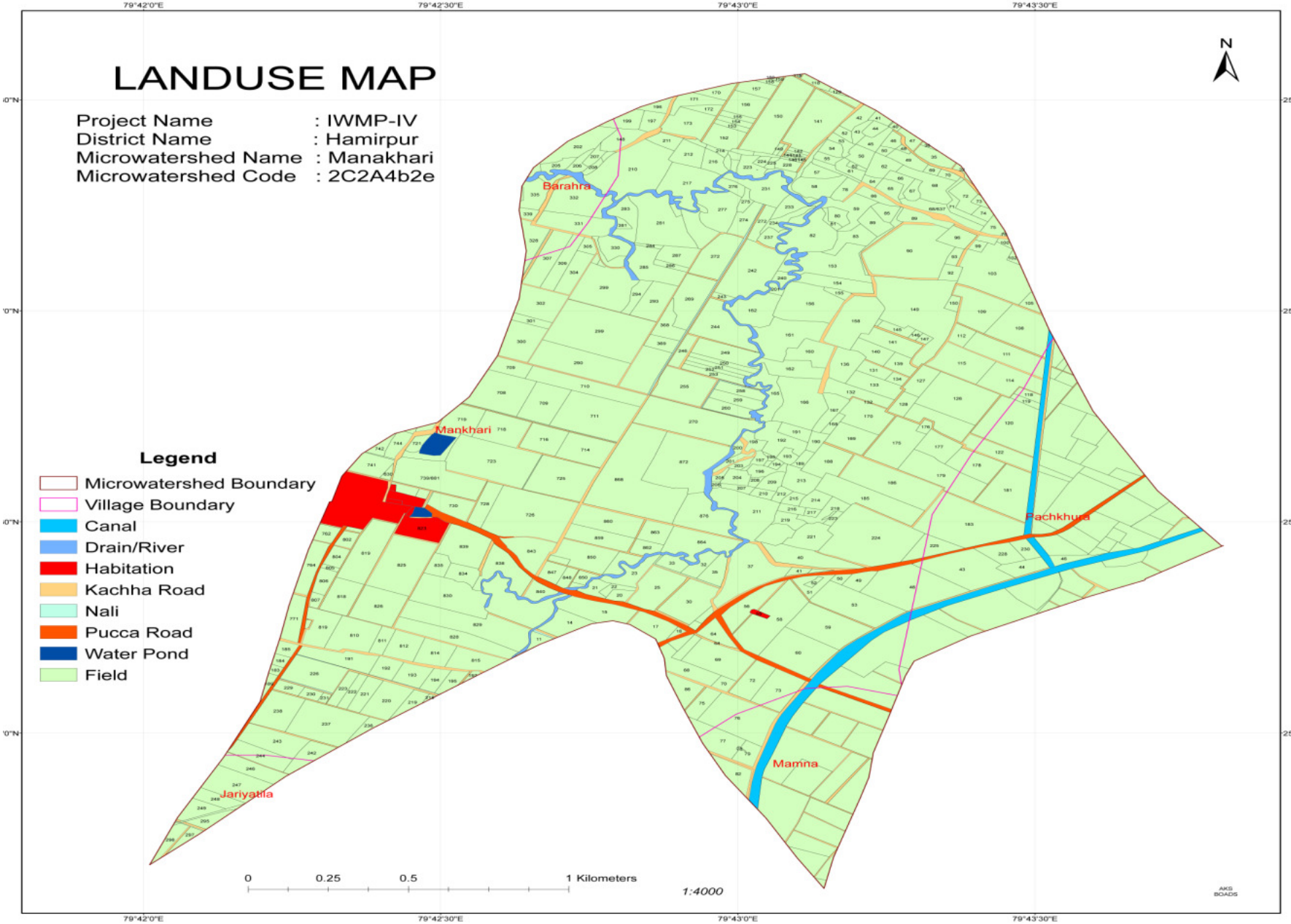
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Barhaira
Microwatershed Code : 2C2A4b2a

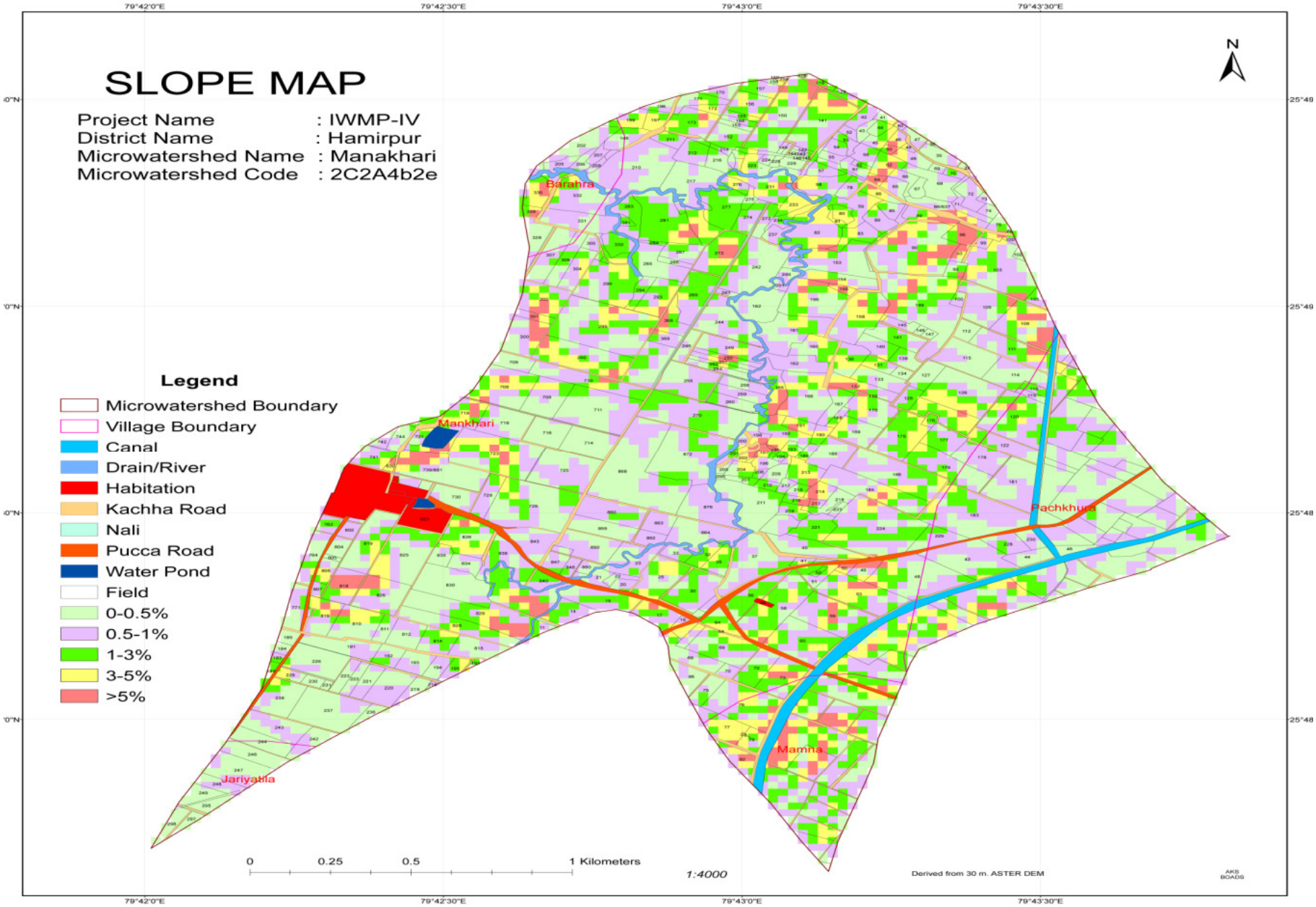


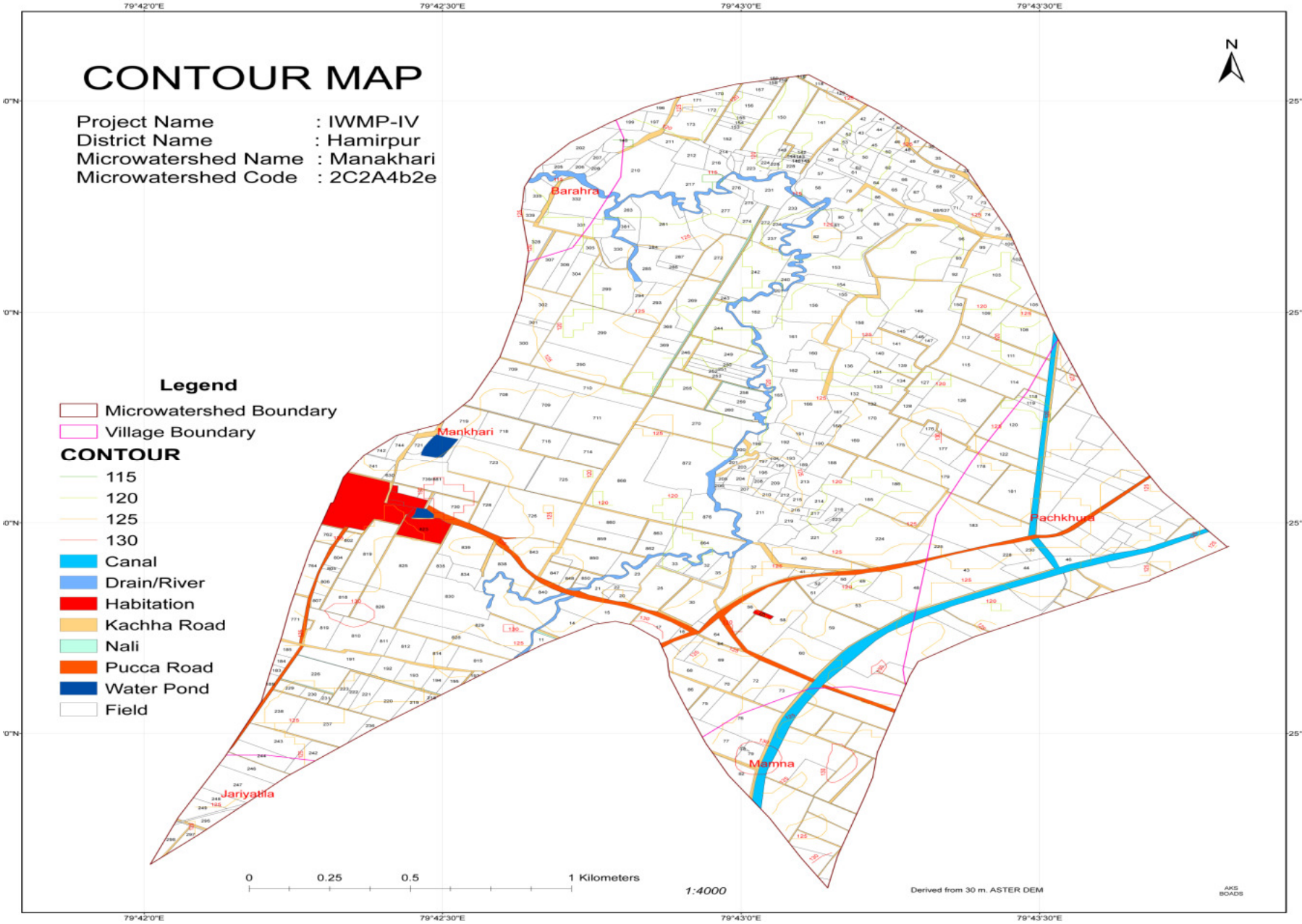

CADASTRAL MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Manakhari
Microwatershed Code : 2C2A4b2e
N
Legend
Microwatershed Boundary
Village Boundary
Canal
Drain/River
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
Field
Barahra
Mankhari
Pachkhura
Mamna
Jariyalla
0 0.25 0.5 1 Kilometers
1:4000
79°42'0"E
79°42'30"E
79°43'0"E
79°43'30"E
25°49
25°48

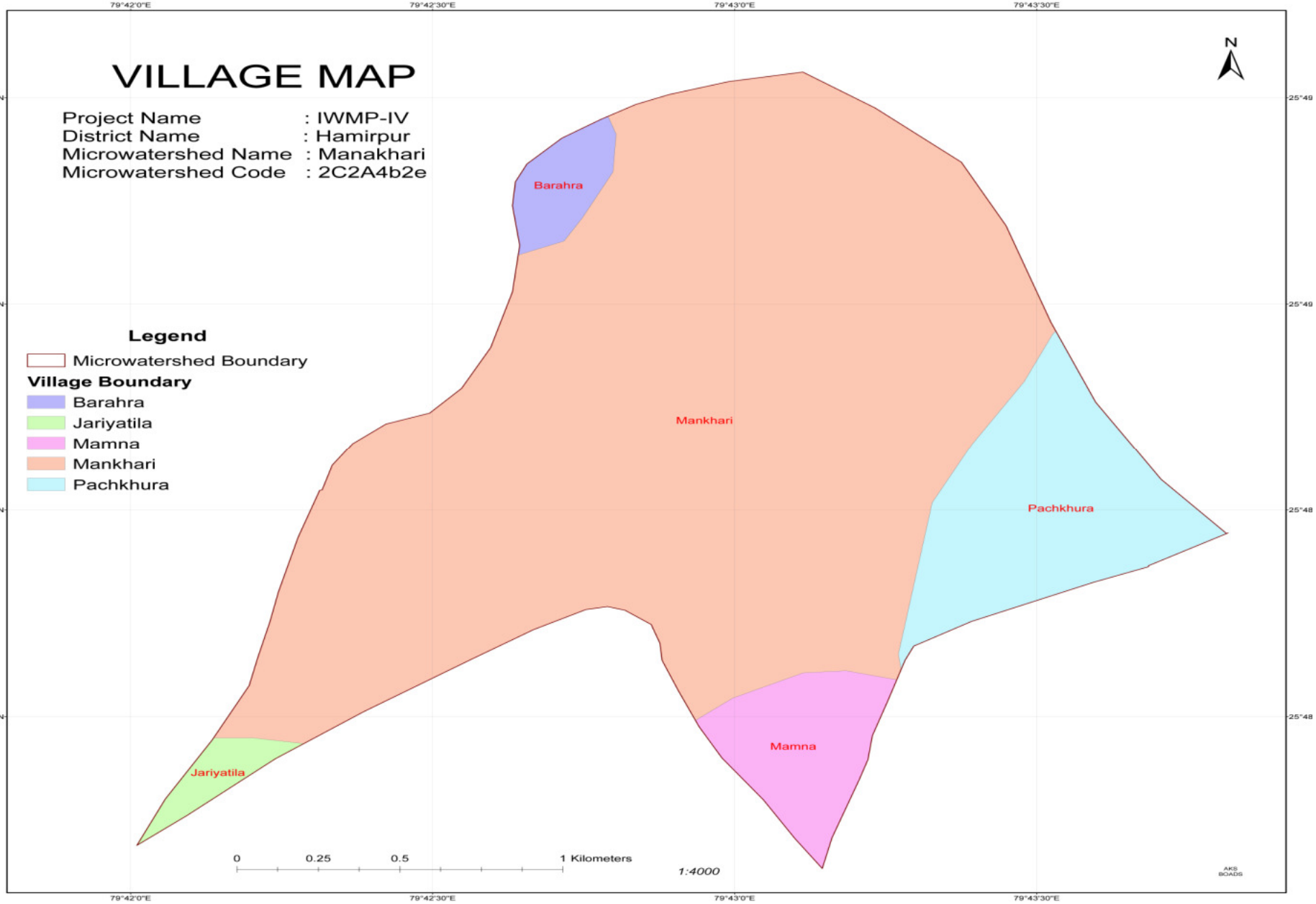

STANDARD FALSE COLOUR COMPOSITE (FCC)
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Manakhari
Microwatershed Code : 2C2A4b2e
Legend
Microwatershed Boundary
Village Boundary
Canal
Drain/River
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
Field
fcc
RGB
Red: Band_1
Green: Band_2
Blue: Band_3
Barahra
Pachkhura
Mamu
Janwalia
0 0.25 0.5 1 Kilometers
1:4000
Source - Landshet TM data of dec.2010
79°42'0"E
79°42'30"E
79°43'0"E
79°43'30"E
25°49
25°48
N

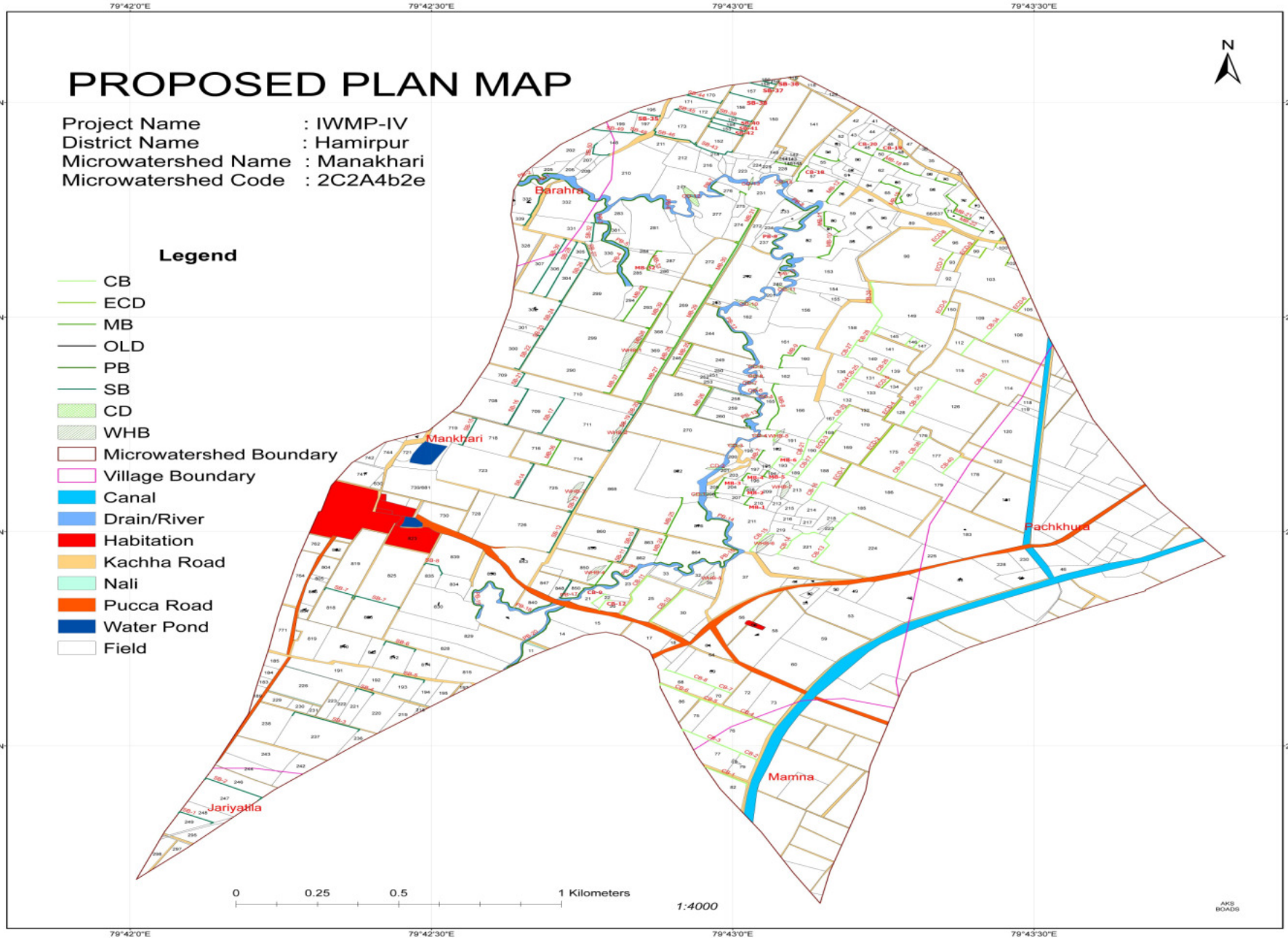

DIGITAL ELEVATION MODEL
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Manakhari
Microwatershed Code : 2C2A4b2e
N
Legend
Microwatershed Boundary
Village Boundary
Canal
Drain/River
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
Field
Value
High : 134
Low : 115
Mankhari
Pachkhura
Jariyalla
0 0.25 0.5 1 Kilometers
1:4000
Source - ASTER DEM30m
79°42'0"E
79°42'30"E
79°43'0"E
79°43'30"E
25°49
25°48

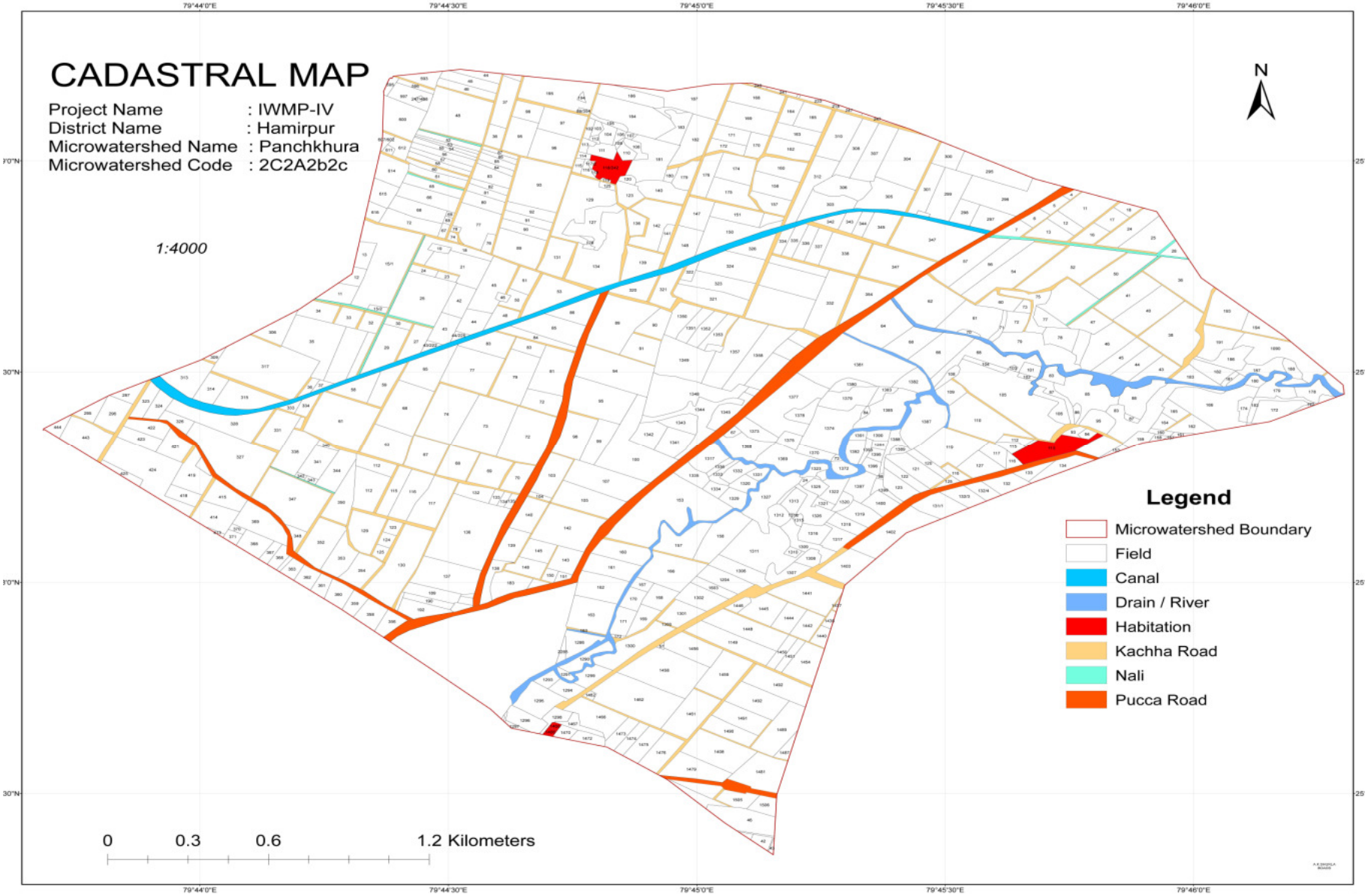

LANDUSE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Manakhari
Microwatershed Code : 2C2A4b2e
N
Legend
Microwatershed Boundary
Village Boundary
Canal
Drain/River
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
Field
Barahra
Mankhari
Pachkhura
Mamna
Jariyatla
0
0.25
0.5
1 Kilometers
1:4000
79°42'0"E
79°42'30"E
79°43'0"E
79°43'30"E

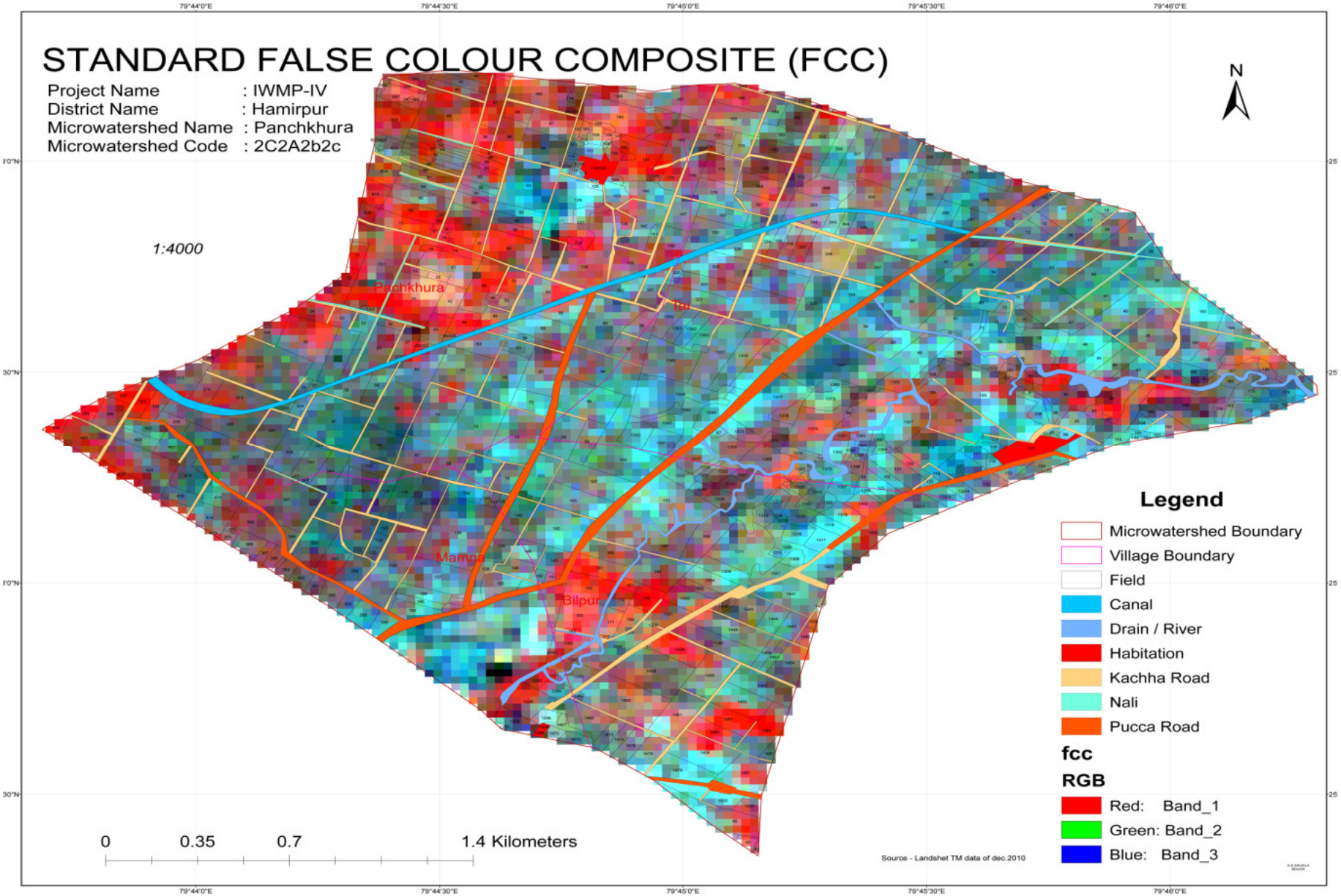

SLOPE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Manakhari
Microwatershed Code : 2C2A4b2e
Legend
Microwatershed Boundary
Village Boundary
Canal
Drain/River
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
Field
0-0.5%
0.5-1%
1-3%
3-5%
>5%
Barahra
Mankhari
Pachkhura
Mamna
Jariyalila
0 0.25 0.5 1 Kilometers
1:4000
Derived from 30 m. ASTER DEM
N
79°42'0"E
79°42'30"E
79°43'0"E
79°43'30"E

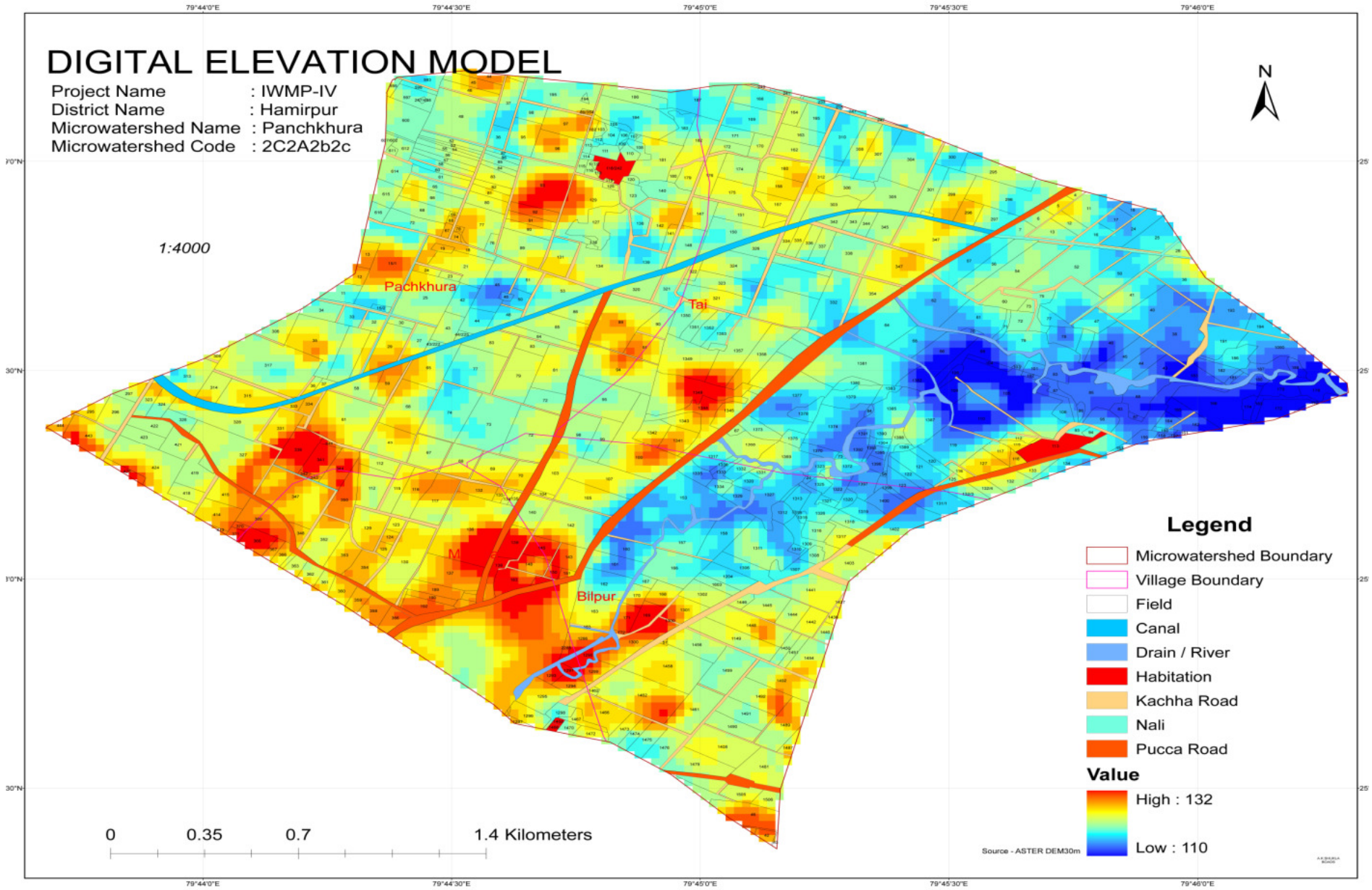

CONTOUR MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Manakhari
Microwatershed Code : 2C2A4b2e
Legend
Microwatershed Boundary
Village Boundary
CONTOUR
115
120
125
130
Canal
Drain/River
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
Field
N
Barahra
Mankhari
Pachkhura
Mamna
Jariyalla
0 0.25 0.5 1 Kilometers
1:4000
Derived from 30 m. ASTER DEM
79°42'0"E
79°42'30"E
79°43'0"E
79°43'30"E

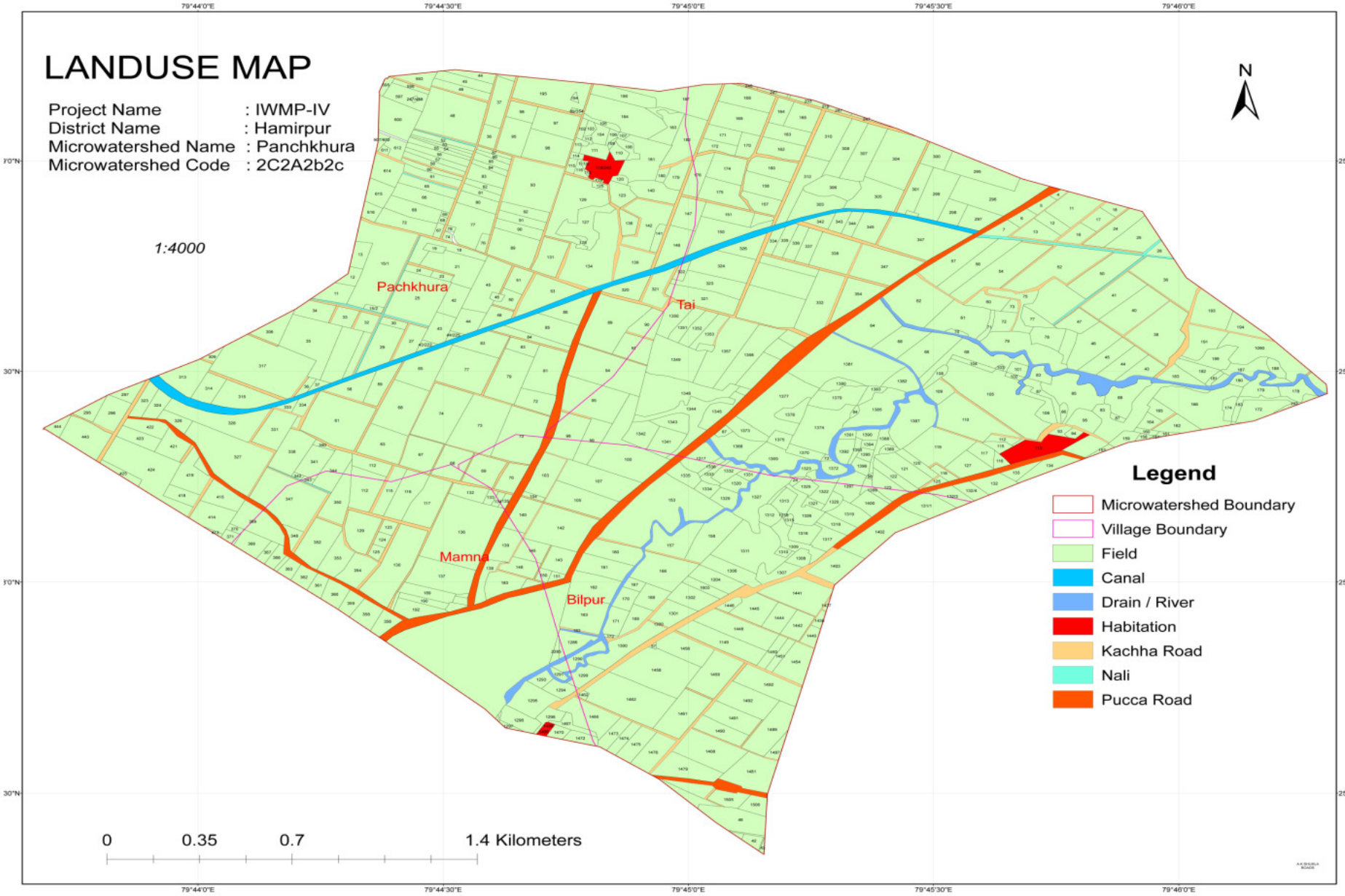

VILLAGE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Manakhari
Microwatershed Code : 2C2A4b2e
Legend
Microwatershed Boundary
Village Boundary
Barahra
Jariyatila
Mamna
Mankhari
Pachkhura
Barahra
Mankhari
Pachkhura
Mamna
Jariyatila
0 0.25 0.5 1 Kilometers
1:4000
N
79°42'0"E
79°42'30"E
79°43'0"E
79°43'30"E

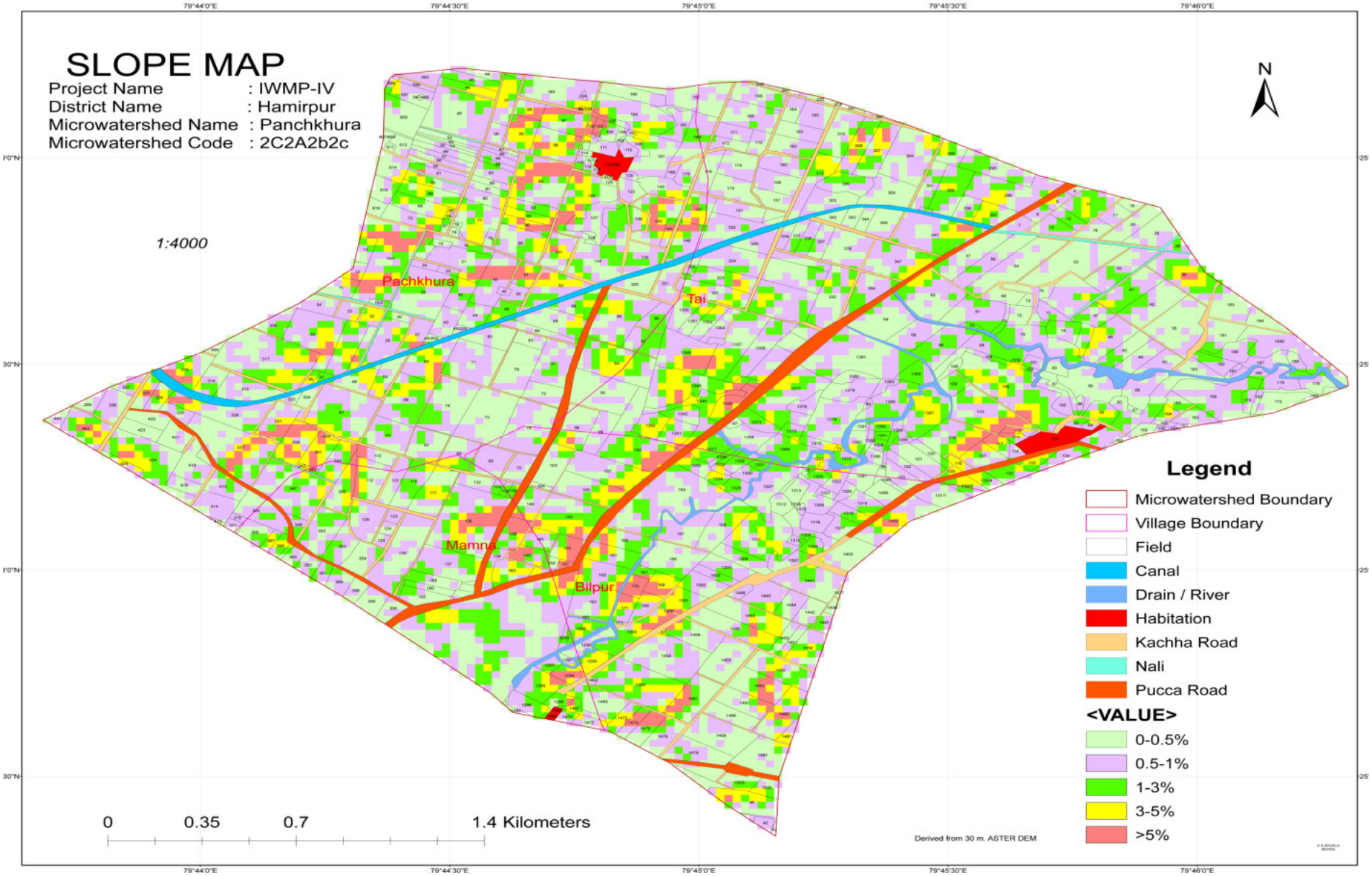

PROPOSED PLAN MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Manakhari
Microwatershed Code : 2C2A4b2e
Legend
CB
ECD
MB
OLD
PB
SB
CD
WHB
Microwatershed Boundary
Village Boundary
Canal
Drain/River
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
Field
Barahra
Mankhari
Pachkhura
Mamna
Jariyalla
0 0.25 0.5 1 Kilometers
1:4000
N
79°42'0"E
79°42'30"E
79°43'0"E
79°43'30"E
25°49
25°48

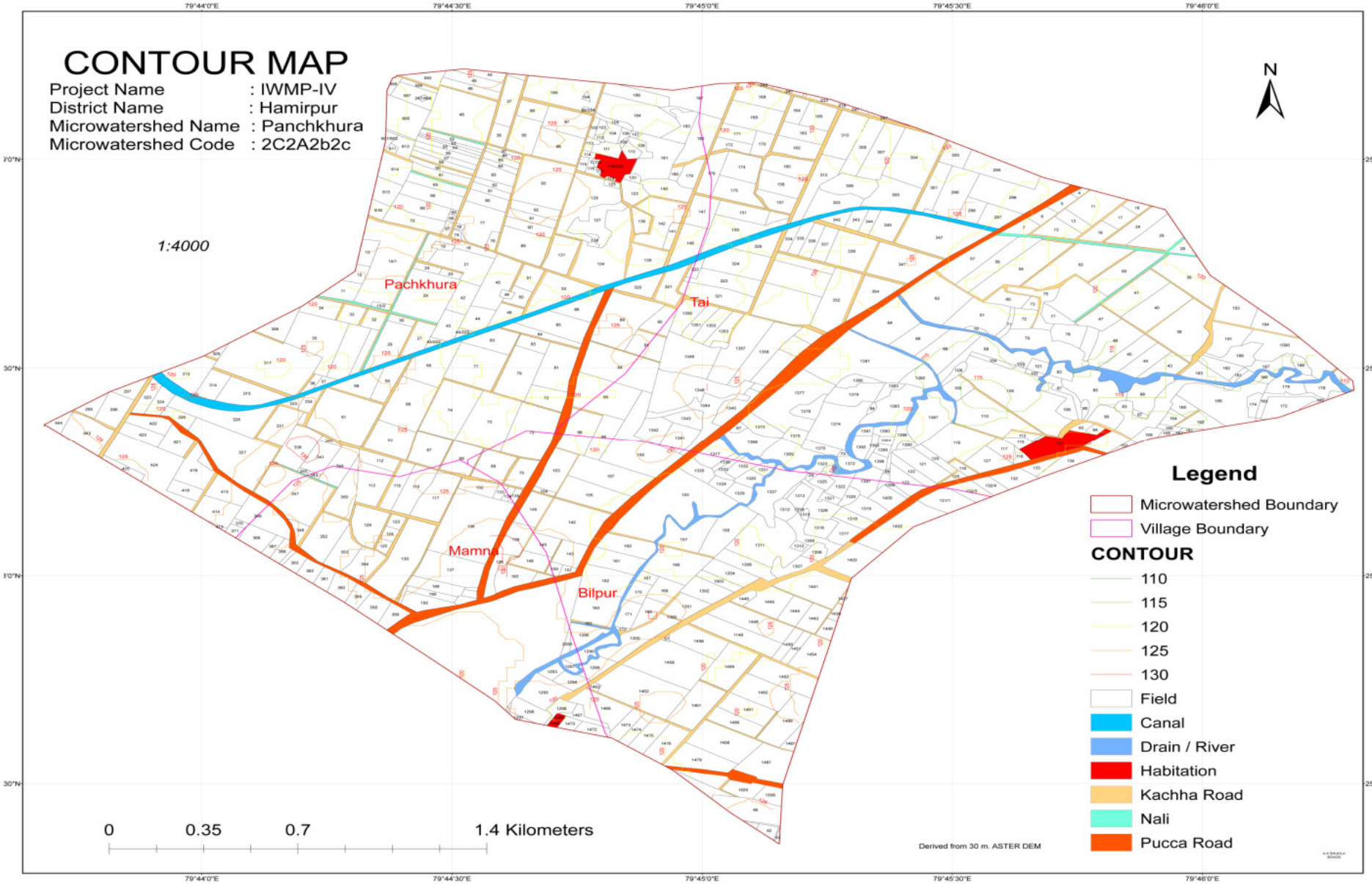

CADASTRAL MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Panchkhura
Microwatershed Code : 2C2A2b2c
1:4000
N
Legend
Microwatershed Boundary
Field
Canal
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
0 0.3 0.6 1.2 Kilometers
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E

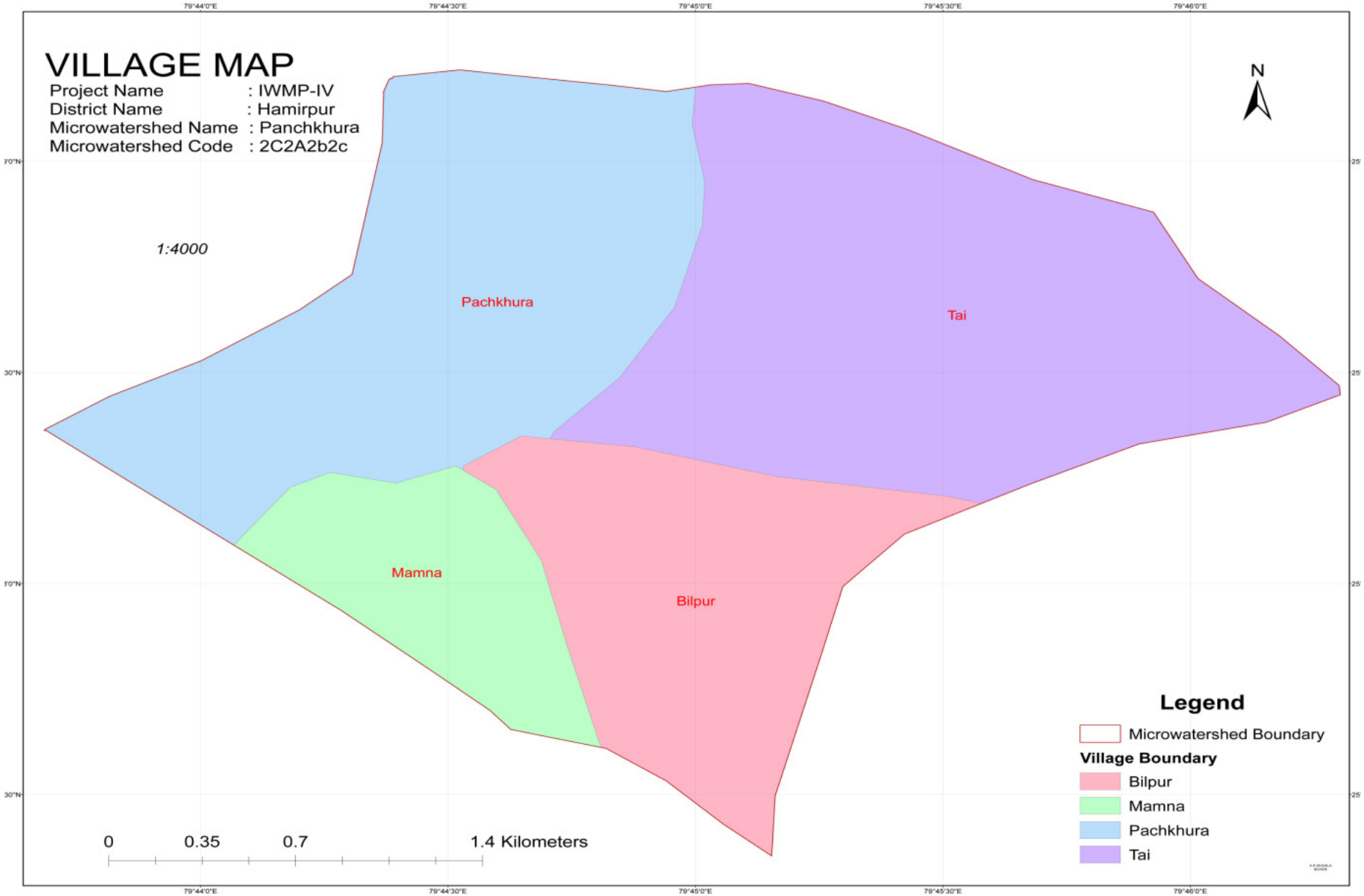

STANDARD FALSE COLOUR COMPOSITE (FCC)
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Panchkhura
Microwatershed Code : 2C2A2b2c
1:4000
N
Panchkhura
Tal
Mamna
Bilpura
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
fcc
RGB
Red: Band_1
Green: Band_2
Blue: Band_3
0 0.35 0.7 1.4 Kilometers
Source - Landshet TM data of dec.2010
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E

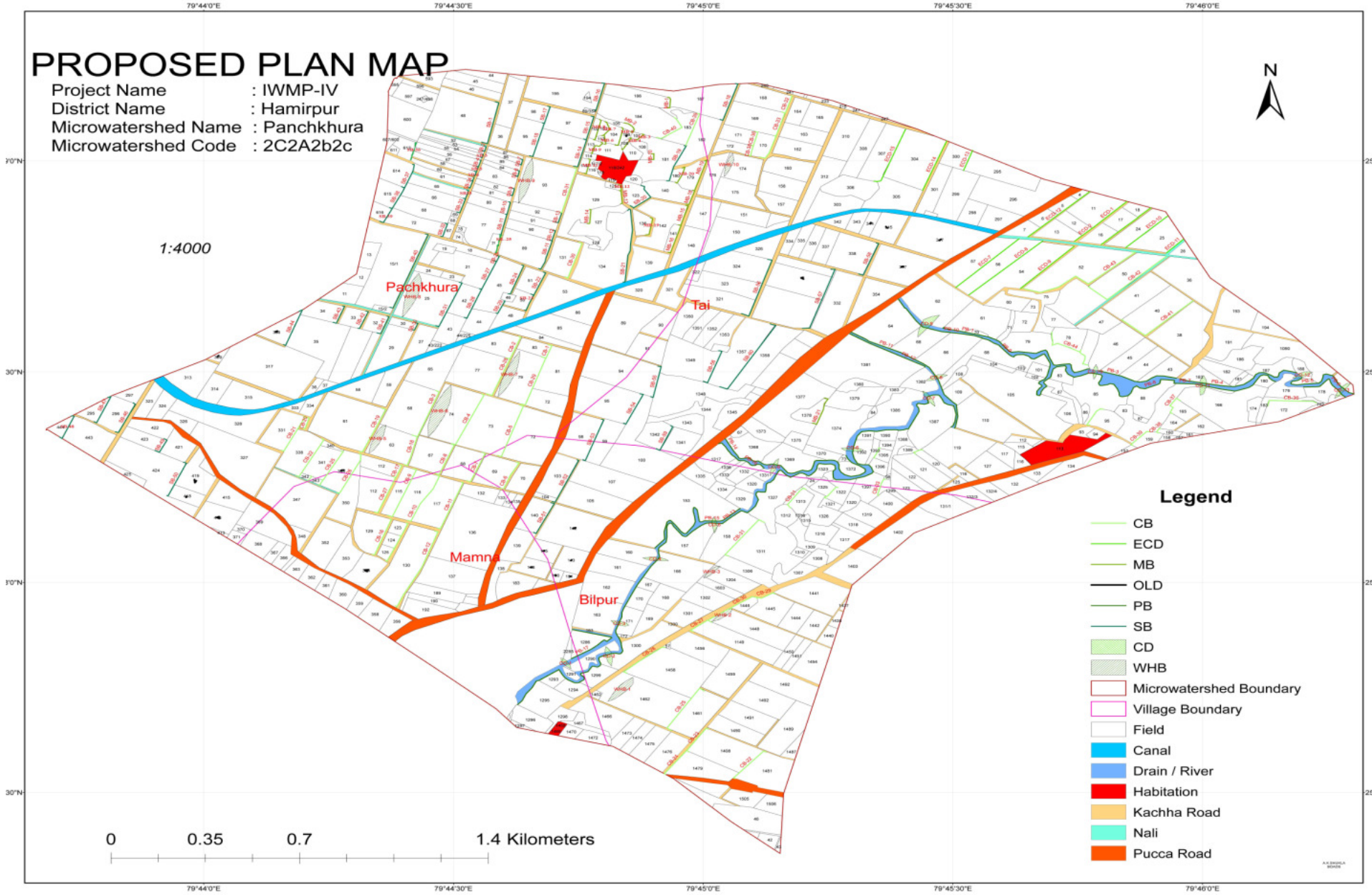

DIGITAL ELEVATION MODEL
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Panchkhura
Microwatershed Code : 2C2A2b2c
1:4000
N
Pachkhura
Tai
Bilpur
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
Value
High : 132
Low : 110
0 0.35 0.7 1.4 Kilometers
Source - ASTER DEM30m
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E

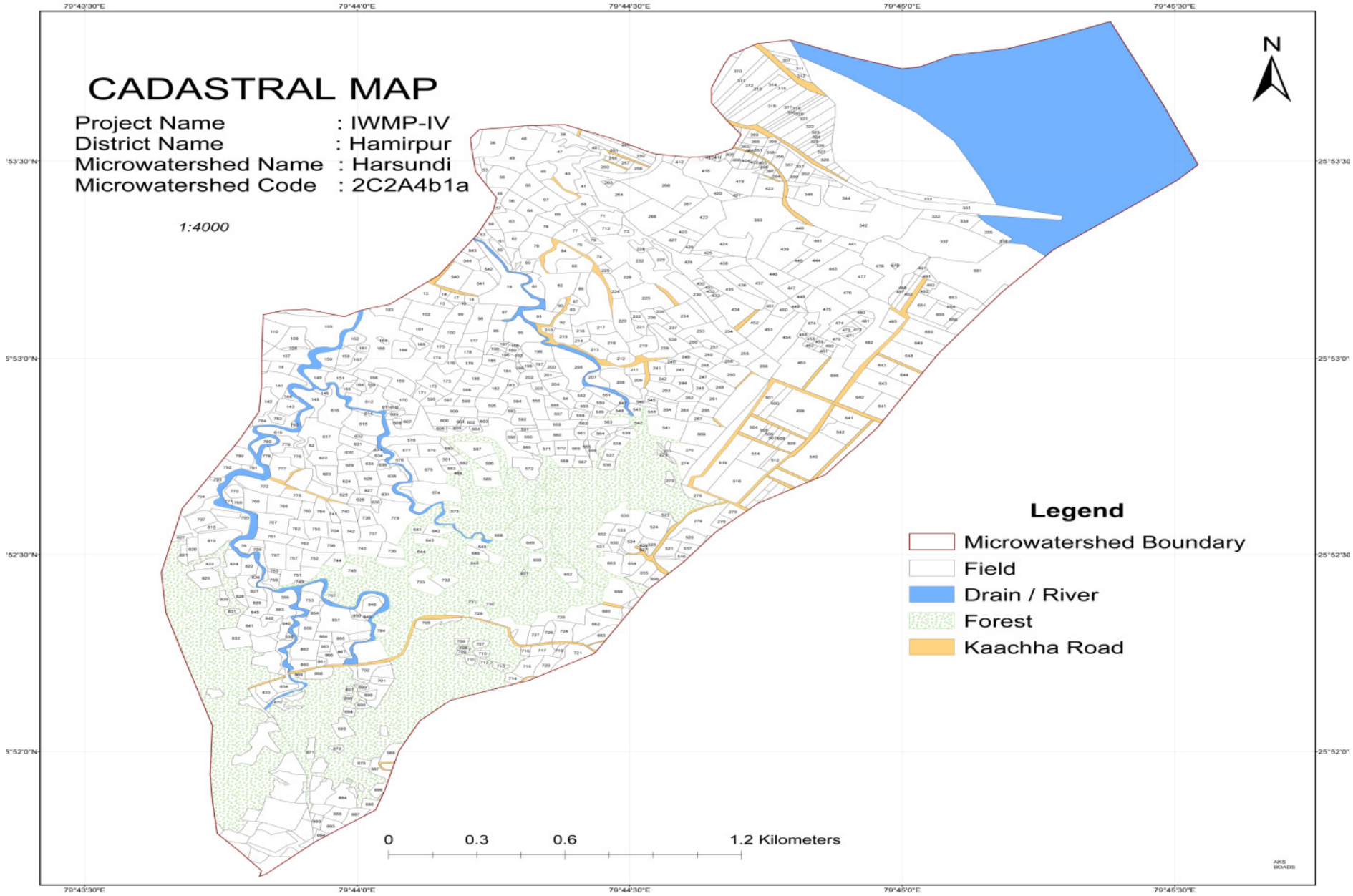

LANDUSE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Panchkhura
Microwatershed Code : 2C2A2b2c
1:4000
N
Pachkhura
Tai
Mamna
Bilpur
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
0
0.35
0.7
1.4 Kilometers
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E

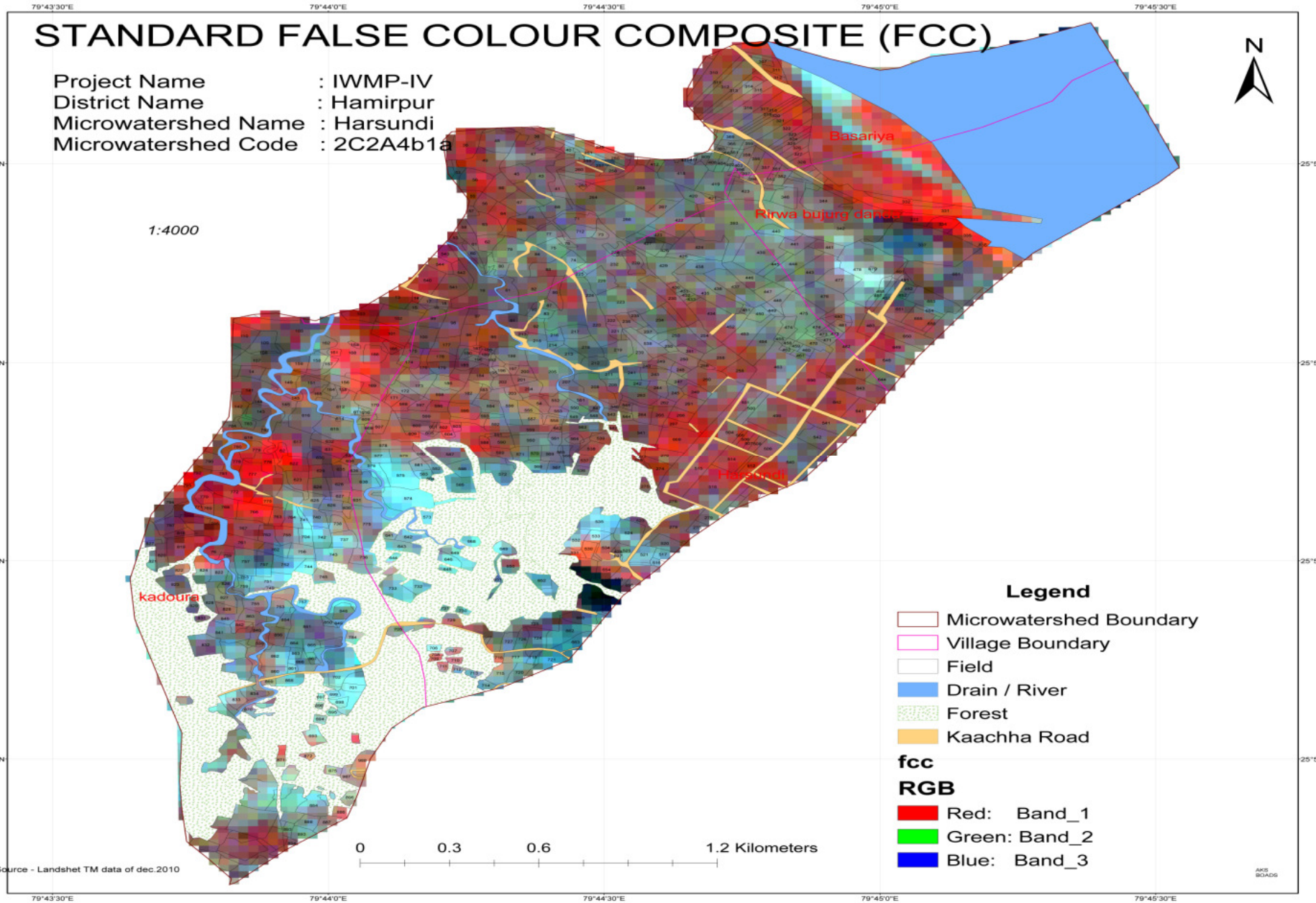

SLOPE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Panchkhura
Microwatershed Code : 2C2A2b2c
1:4000
N
Pachkhura
Tal
Mamna
Bilpur
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
0
0.35
0.7
1.4 Kilometers
Derived from 30 m. ASTER DEM
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E

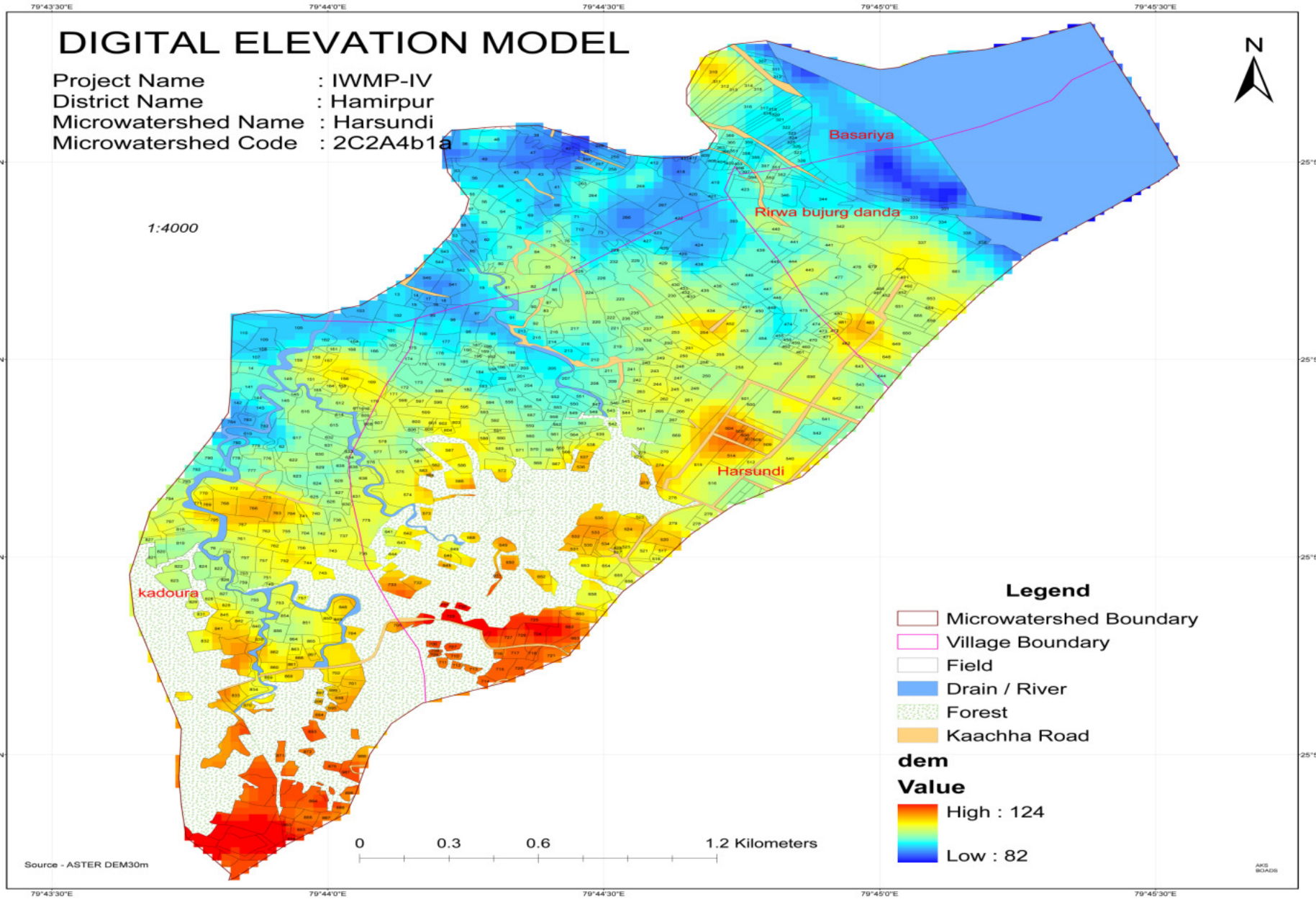

CONTOUR MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Panchkhura
Microwatershed Code : 2C2A2b2c
1:4000
N
Pachkhura
Tai
Mamna
Bilpur
Legend
Microwatershed Boundary
Village Boundary
CONTOUR
110
115
120
125
130
Field
Canal
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
0
0.35
0.7
1.4 Kilometers
Derived from 30 m. ASTER DEM
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E

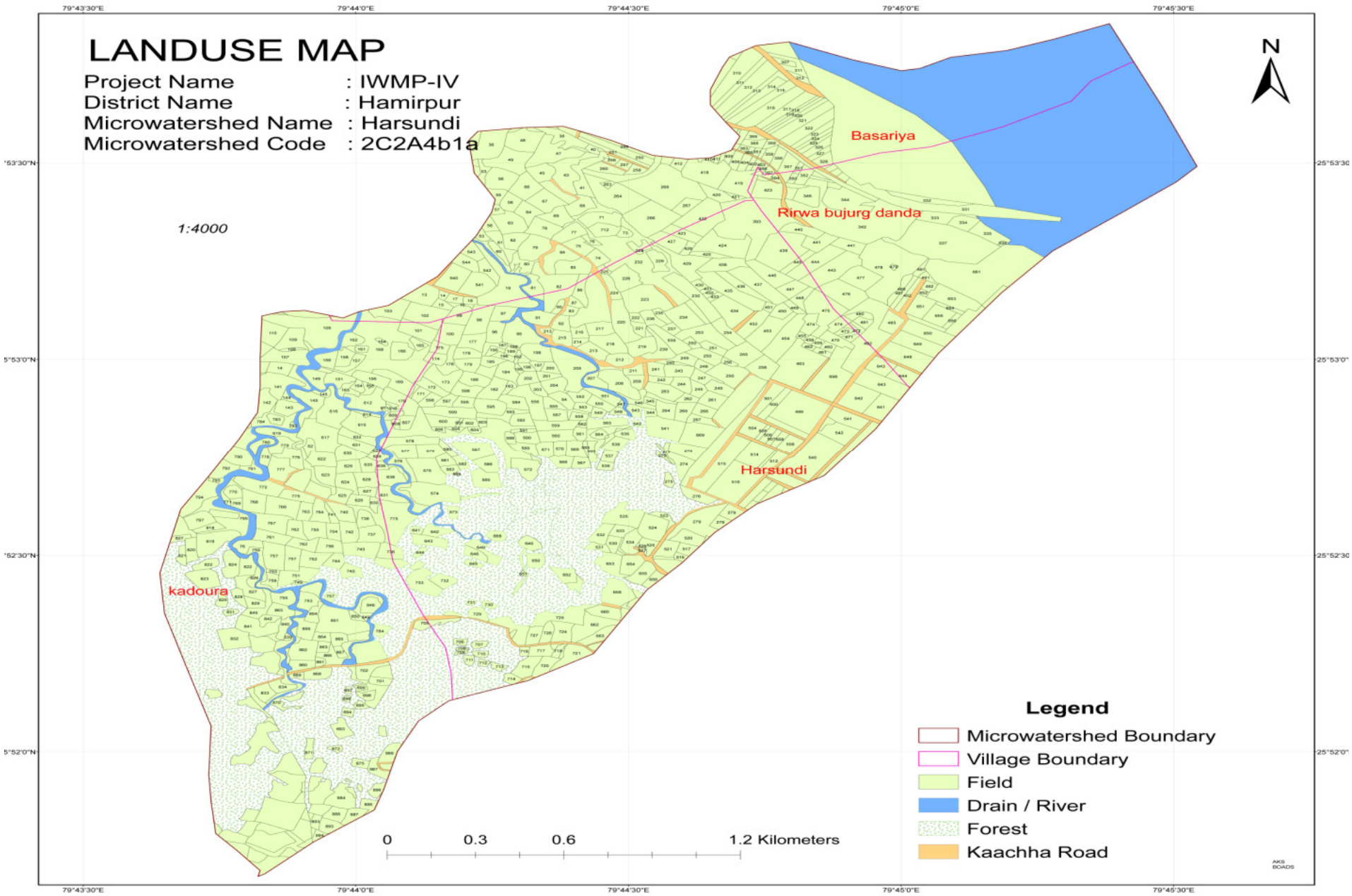

VILLAGE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Panchkhura
Microwatershed Code : 2C2A2b2c
1:4000
N
Pachkhura
Tai
Mamna
Bilpur
Legend
Microwatershed Boundary
Village Boundary
Bilpur
Mamna
Pachkhura
Tai
0 0.35 0.7 1.4 Kilometers
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E

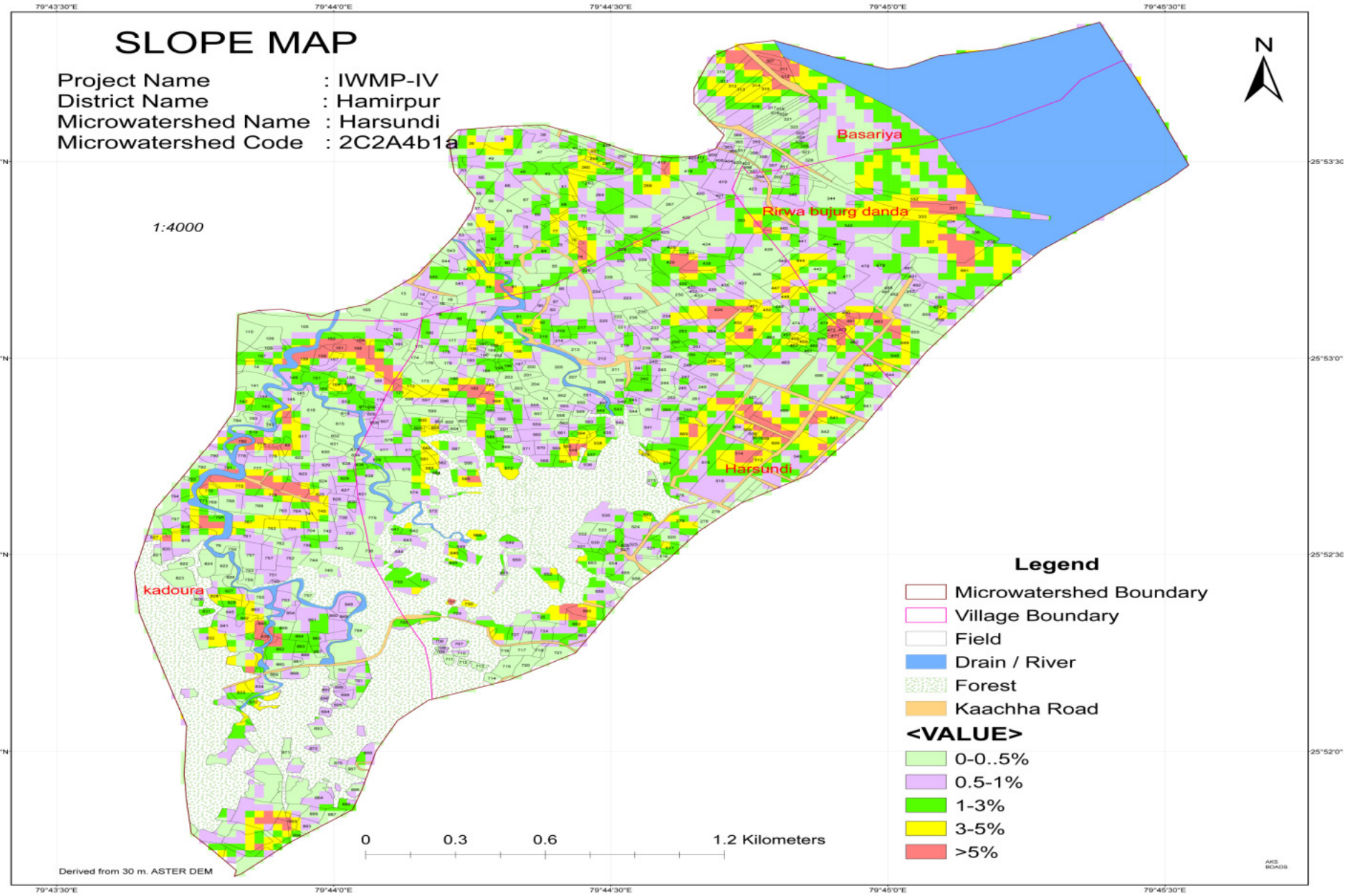

PROPOSED PLAN MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Panchkhura
Microwatershed Code : 2C2A2b2c
1:4000
N
Pachkhura
Tai
Mamna
Bilpur
Legend
CB
ECD
MB
OLD
PB
SB
CD
WHB
Microwatershed Boundary
Village Boundary
Field
Canal
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
0
0.35
0.7
1.4 Kilometers
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E

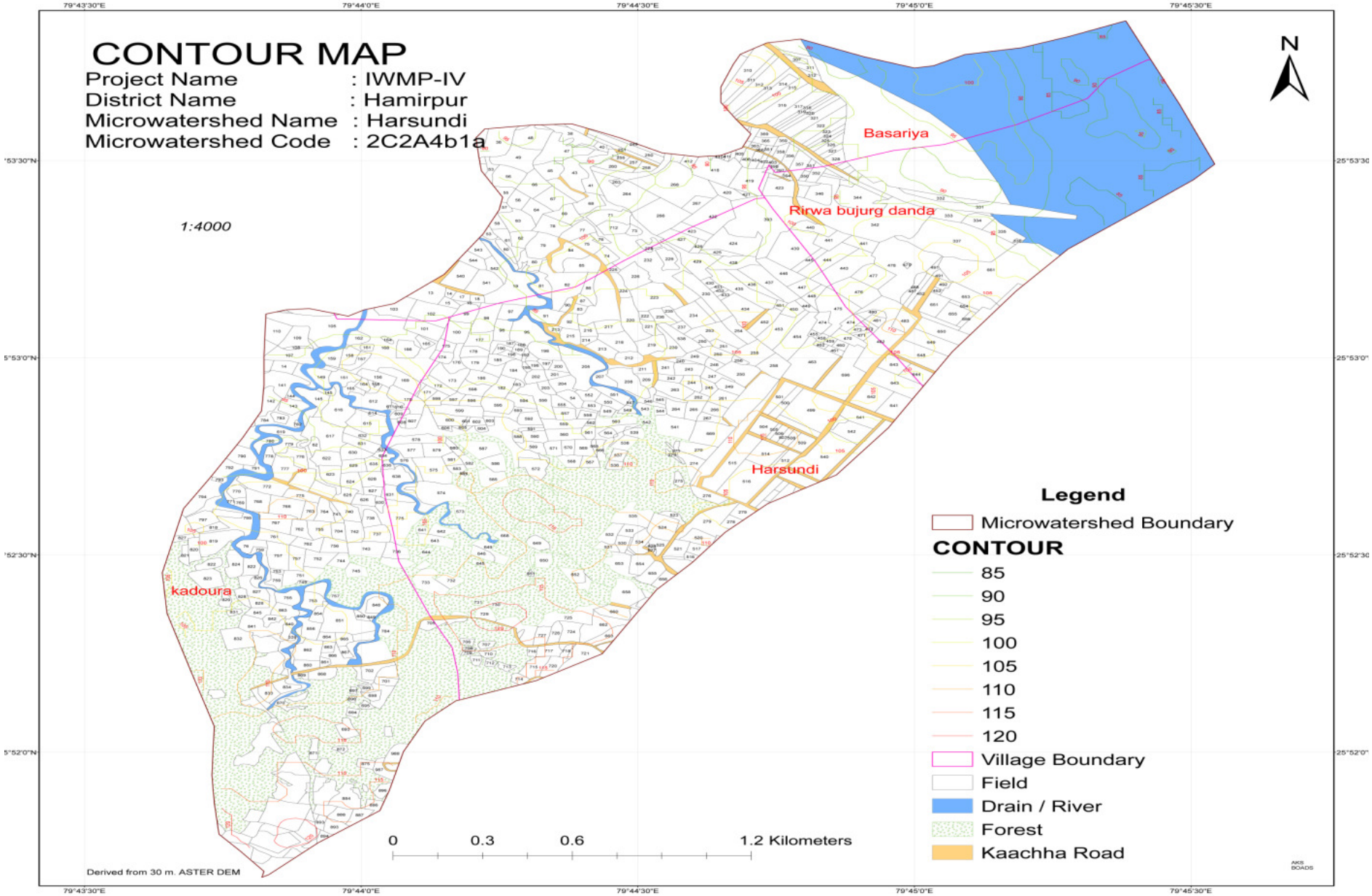

CADASTRAL MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Harsundi
Microwatershed Code : 2C2A4b1a
1:4000
N
Legend
Microwatershed Boundary
Field
Drain / River
Forest
Kaachha Road
0
0.3
0.6
1.2 Kilometers
79°43'30"E
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E

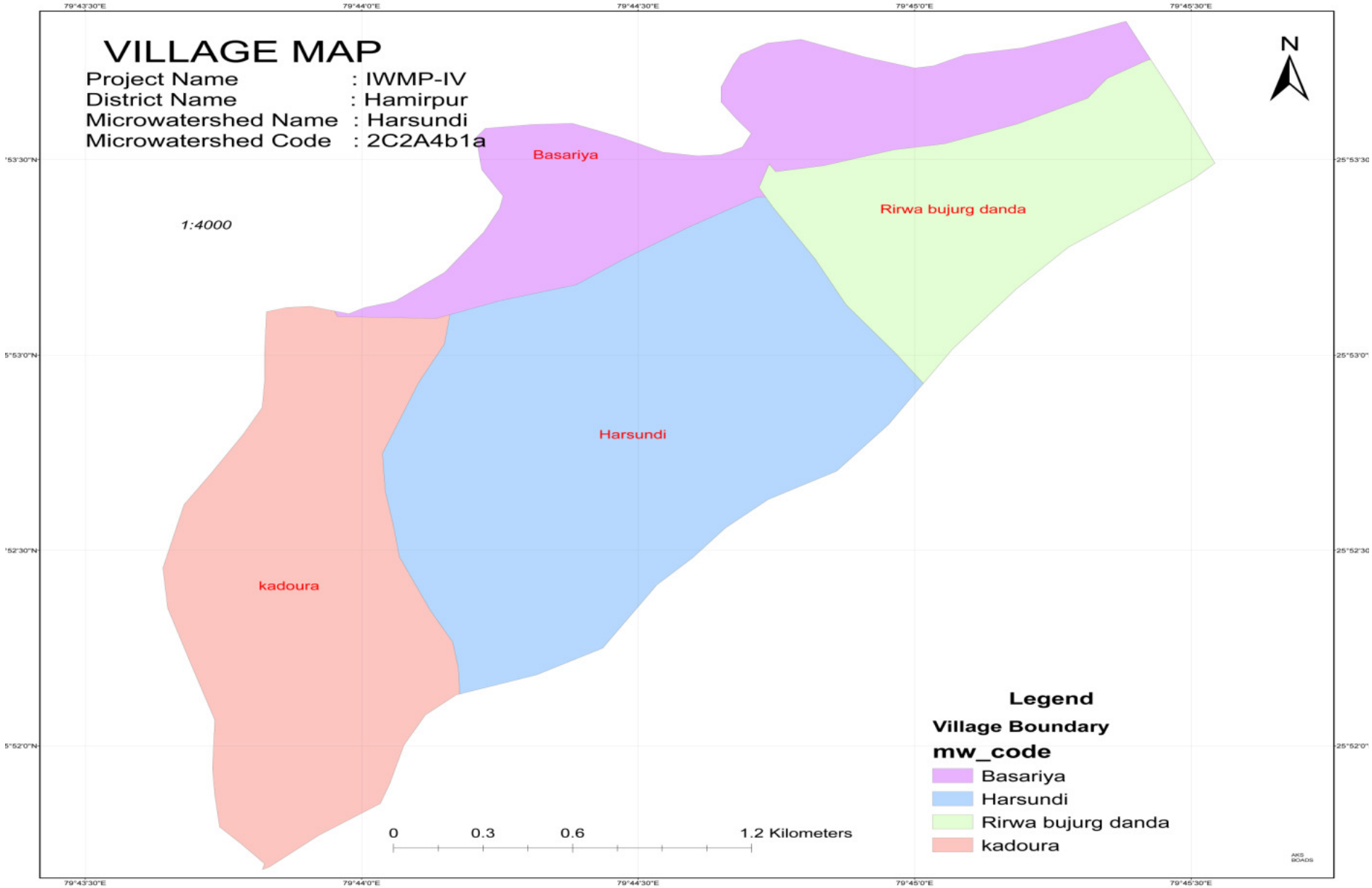

STANDARD FALSE COLOUR COMPOSITE (FCC)
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Harsundi
Microwatershed Code : 2C2A4b1a
1:4000
N
Basariya
Rinwa bujurg dakera
Harsundi
kadoura
Legend
Microwatershed Boundary
Village Boundary
Field
Drain / River
Forest
Kaachha Road
fcc
RGB
Red: Band_1
Green: Band_2
Blue: Band_3
0 0.3 0.6 1.2 Kilometers
Source - Landshet TM data of dec.2010
79°43'30"E
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E

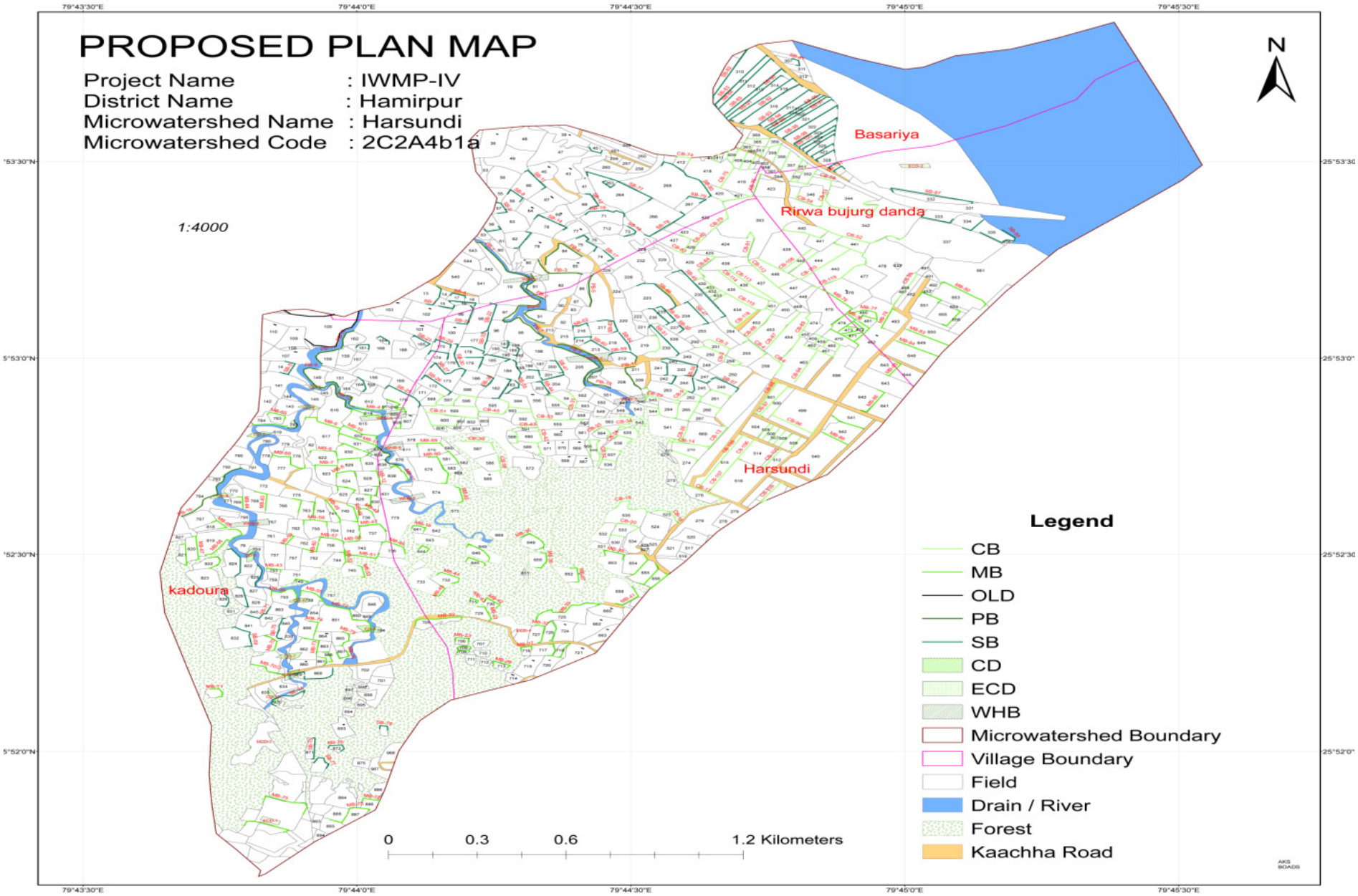

DIGITAL ELEVATION MODEL
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Harsundi
Microwatershed Code : 2C2A4b1a
1:4000
N
Basariya
Rirwa bujurg danda
Harsundi
kadoura
Legend
Microwatershed Boundary
Village Boundary
Field
Drain / River
Forest
Kaachha Road
dem
Value
High : 124
Low : 82
0
0.3
0.6
1.2 Kilometers
Source - ASTER DEM30m

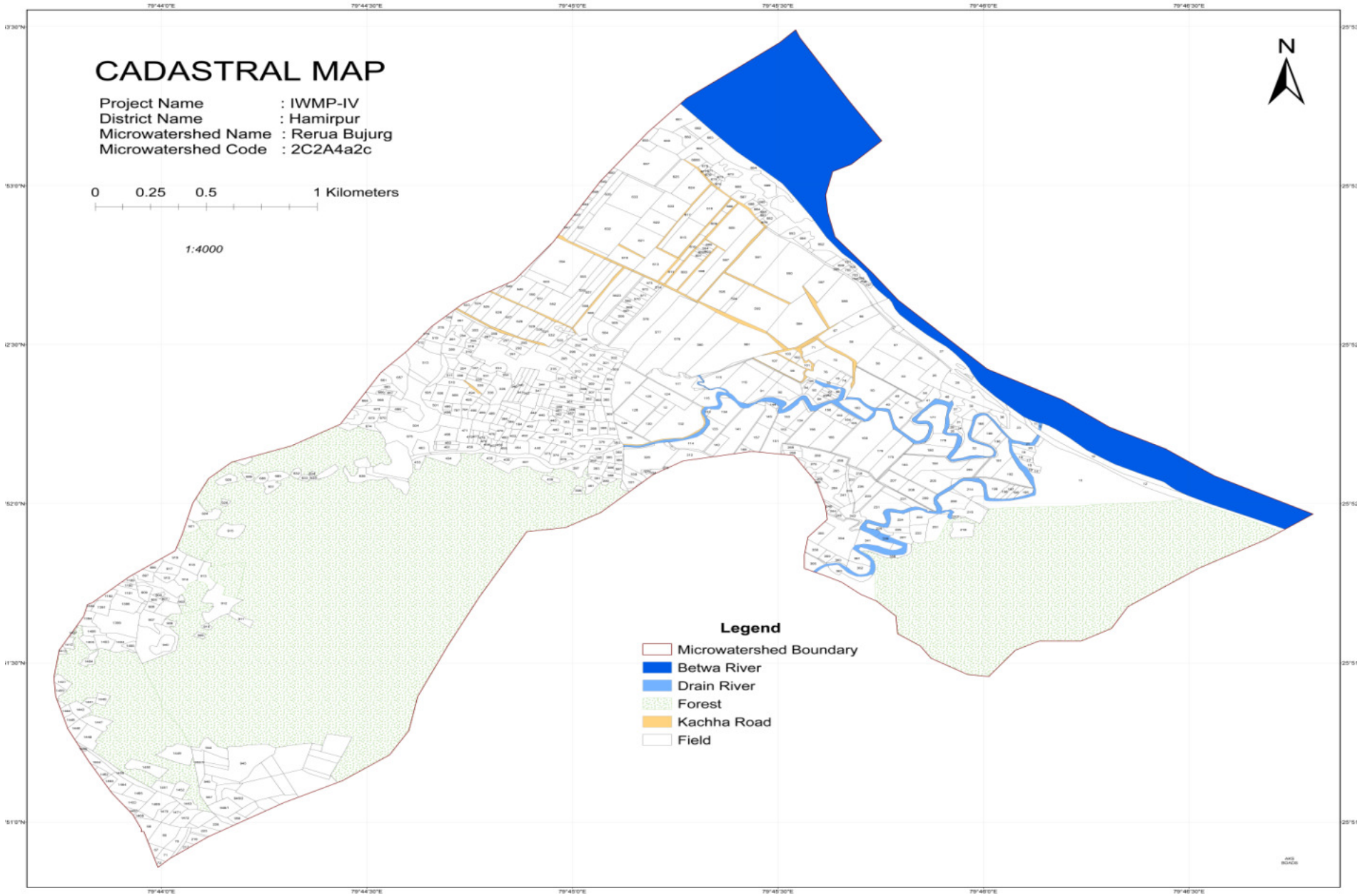

LANDUSE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Harsundi
Microwatershed Code : 2C2A4b1a
1:4000
N
Basariya
Rirwa bujurg danda
Harsundi
kadoura
Legend
Microwatershed Boundary
Village Boundary
Field
Drain / River
Forest
Kaachha Road
0
0.3
0.6
1.2 Kilometers
79°43'30"E
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E

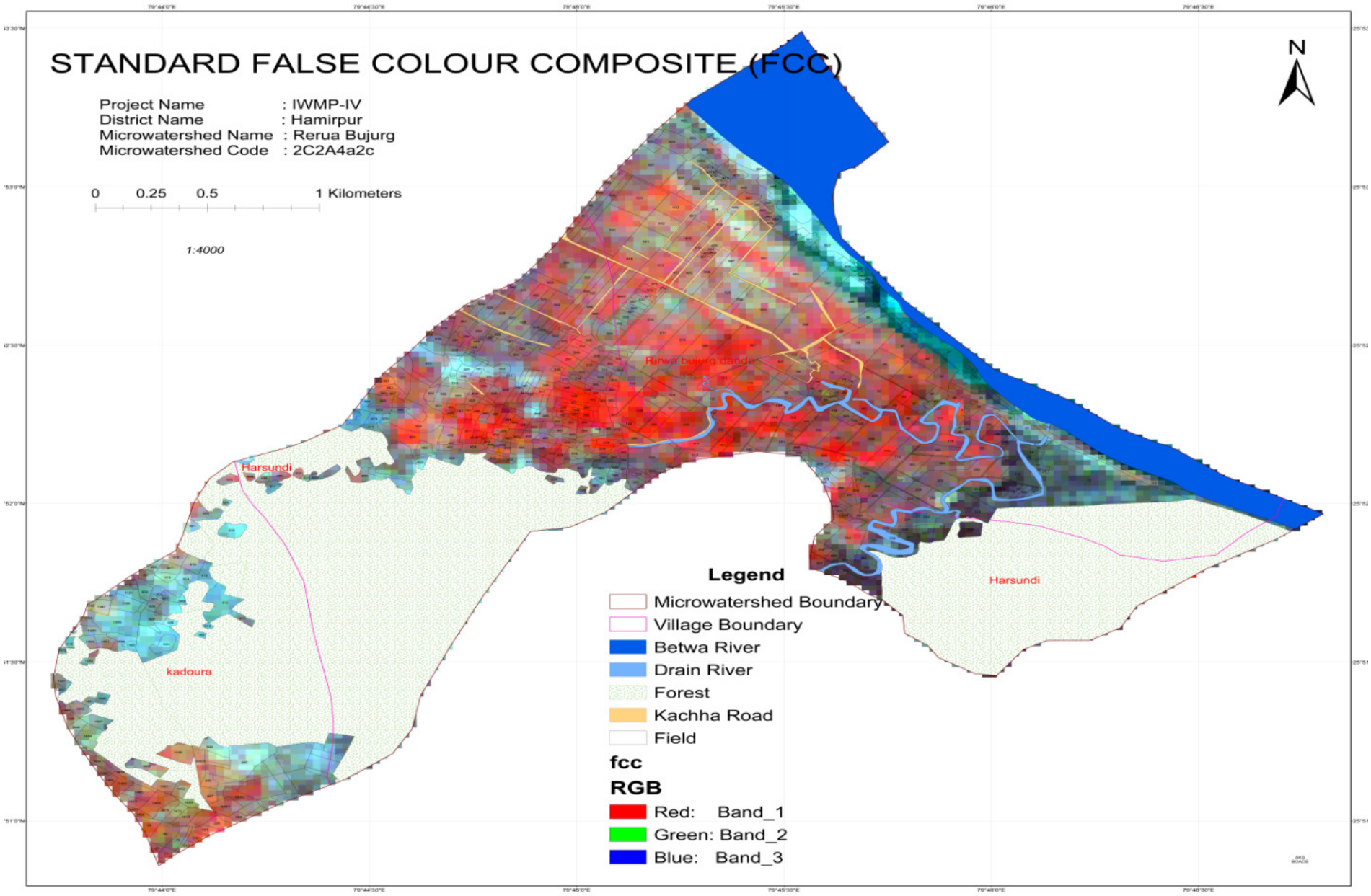

SLOPE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Harsundi
Microwatershed Code : 2C2A4b1a
1:4000
N
Basariya
Rirwa bujurg danda
Harsundi
kadoura
Legend
Microwatershed Boundary
Village Boundary
Field
Drain / River
Forest
Kaachha Road
<VALUE>
0-0..5%
0.5-1%
1-3%
3-5%
>5%
0 0.3 0.6 1.2 Kilometers
Derived from 30 m. ASTER DEM
79°43'30"E
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E

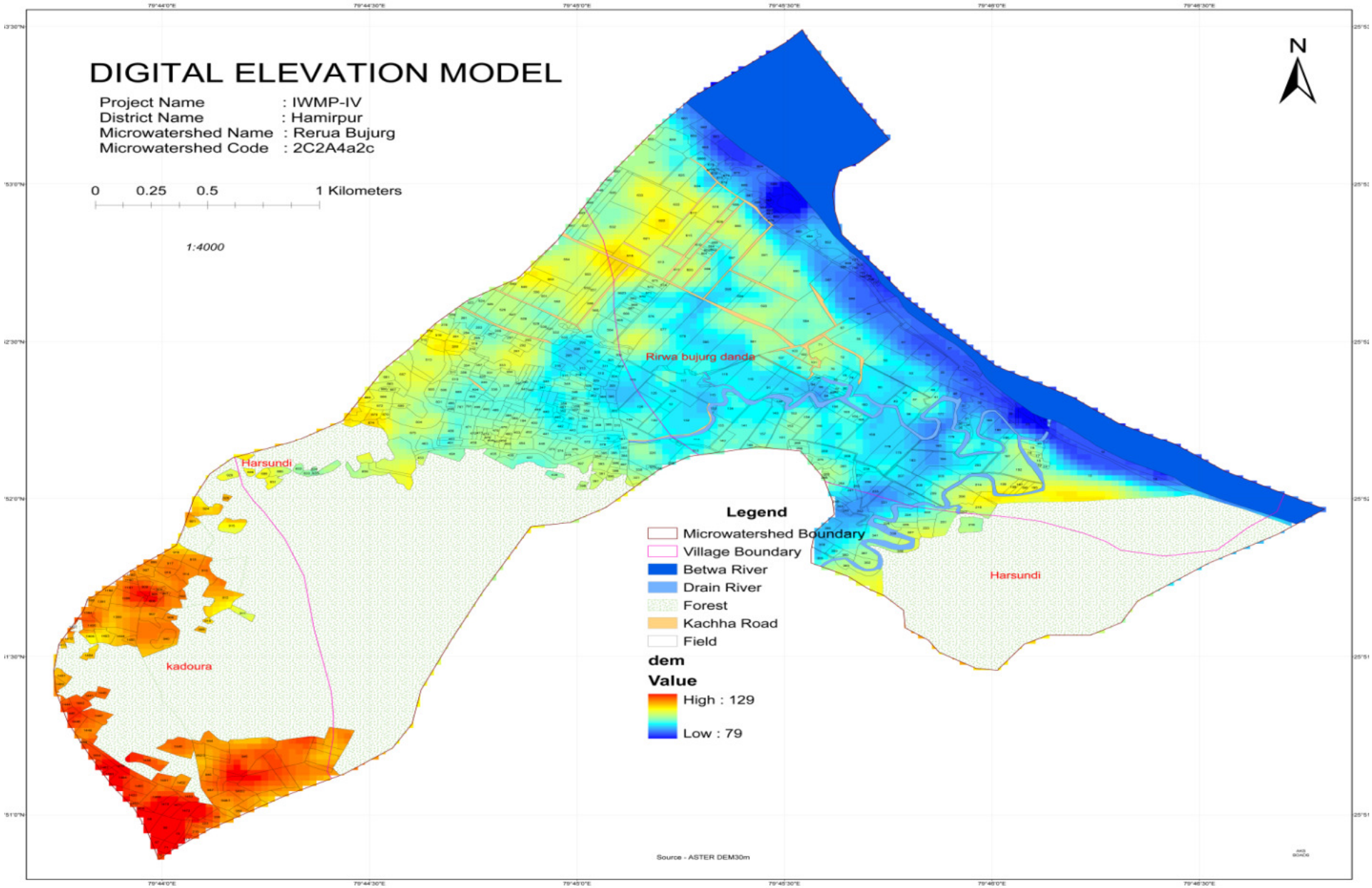

CONTOUR MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Harsundi
Microwatershed Code : 2C2A4b1a
1:4000
N
Basariya
Rirwa bujurg danda
Harsundi
kadoura
Legend
Microwatershed Boundary
CONTOUR
85
90
95
100
105
110
115
120
Village Boundary
Field
Drain / River
Forest
Kaachha Road
0 0.3 0.6 1.2 Kilometers
Derived from 30 m. ASTER DEM
79°43'30"E
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E

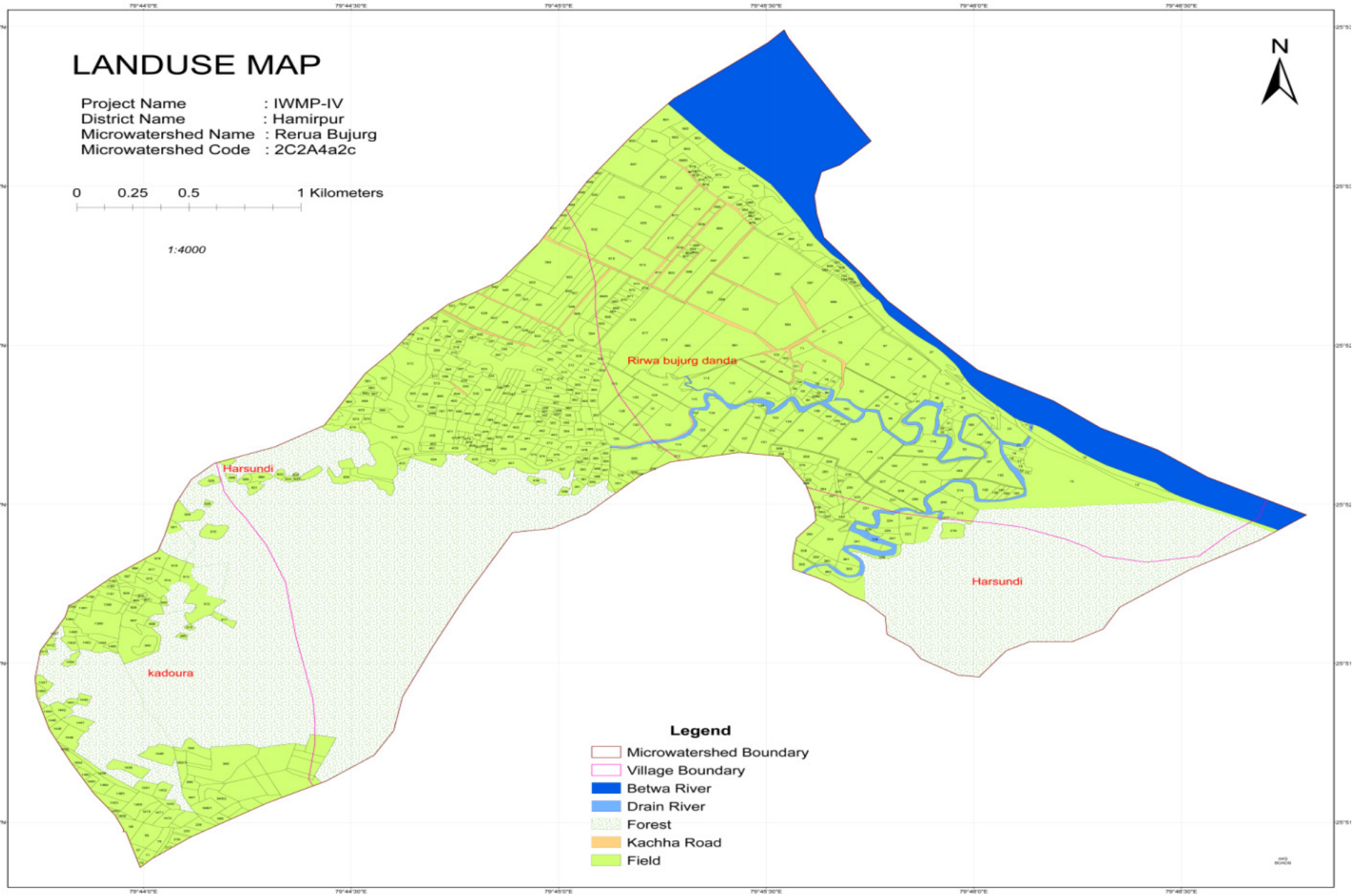

VILLAGE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Harsundi
Microwatershed Code : 2C2A4b1a
1:4000
N
Basariya
Rirwa bujurg danda
Harsundi
kadoura
Legend
Village Boundary
mw_code
Basariya
Harsundi
Rirwa bujurg danda
kadoura
0 0.3 0.6 1.2 Kilometers

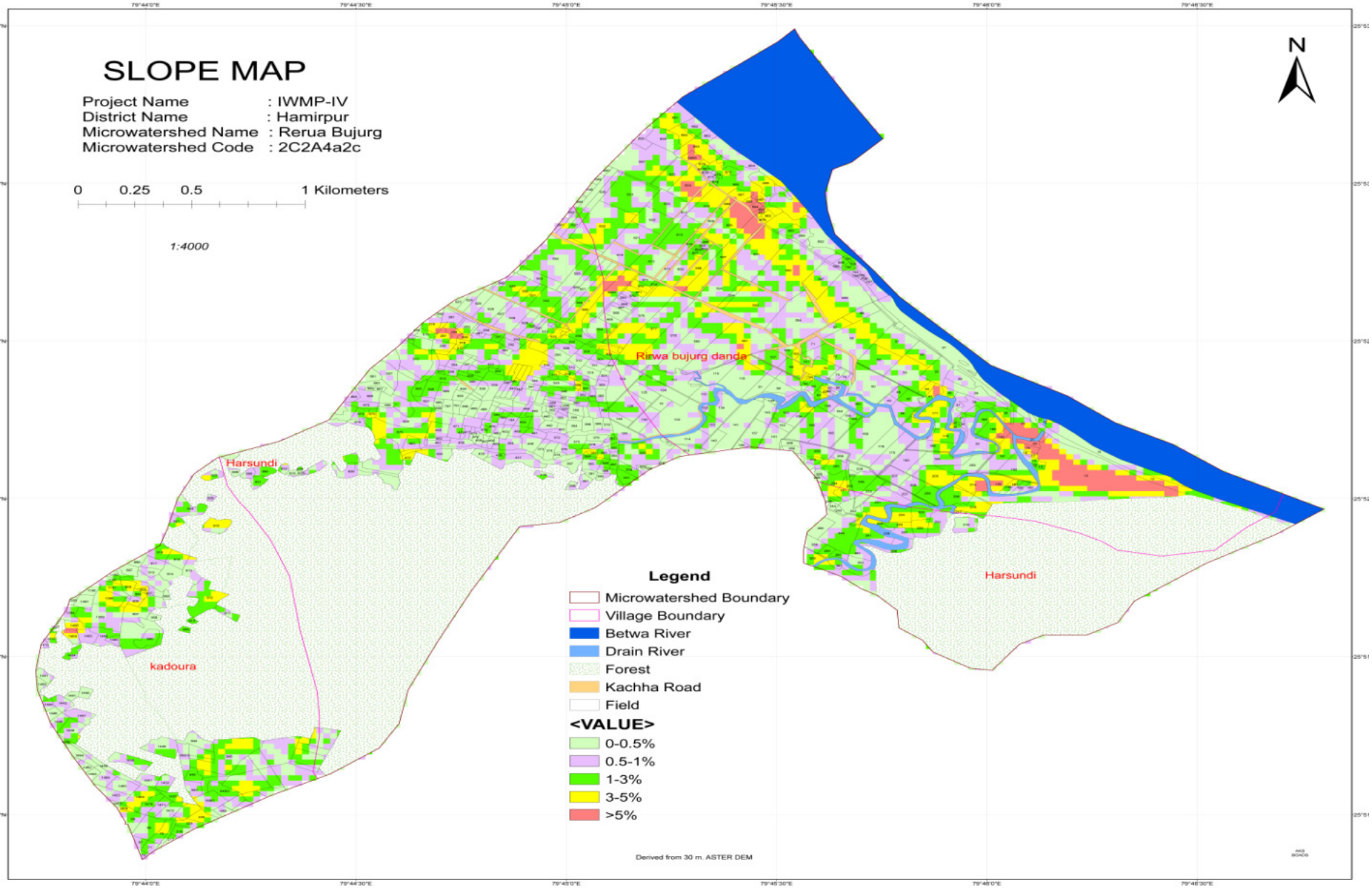

PROPOSED PLAN MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Harsundi
Microwatershed Code : 2C2A4b1a
1:4000
N
Basariya
Rirwa bujurg danda
Harsundi
kadoura
Legend
CB
MB
OLD
PB
SB
CD
ECD
WHB
Microwatershed Boundary
Village Boundary
Field
Drain / River
Forest
Kaachha Road
0
0.3
0.6
1.2 Kilometers
79°43'30"E
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E

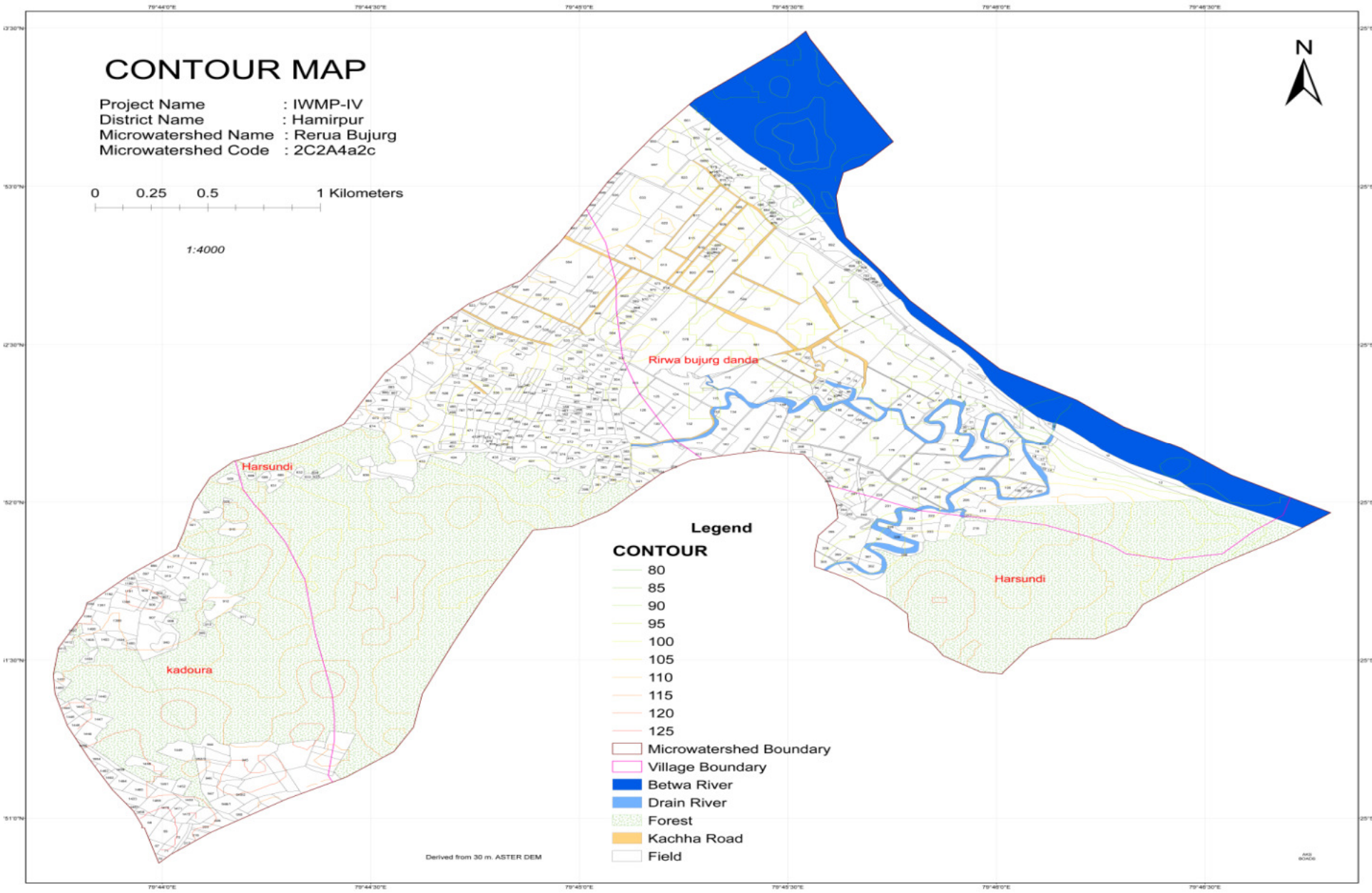

CADASTRAL MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Rerua Bujurg
Microwatershed Code : 2C2A4a2c
0 0.25 0.5 1 Kilometers
1:4000
N
Legend
Microwatershed Boundary
Betwa River
Drain River
Forest
Kachha Road
Field

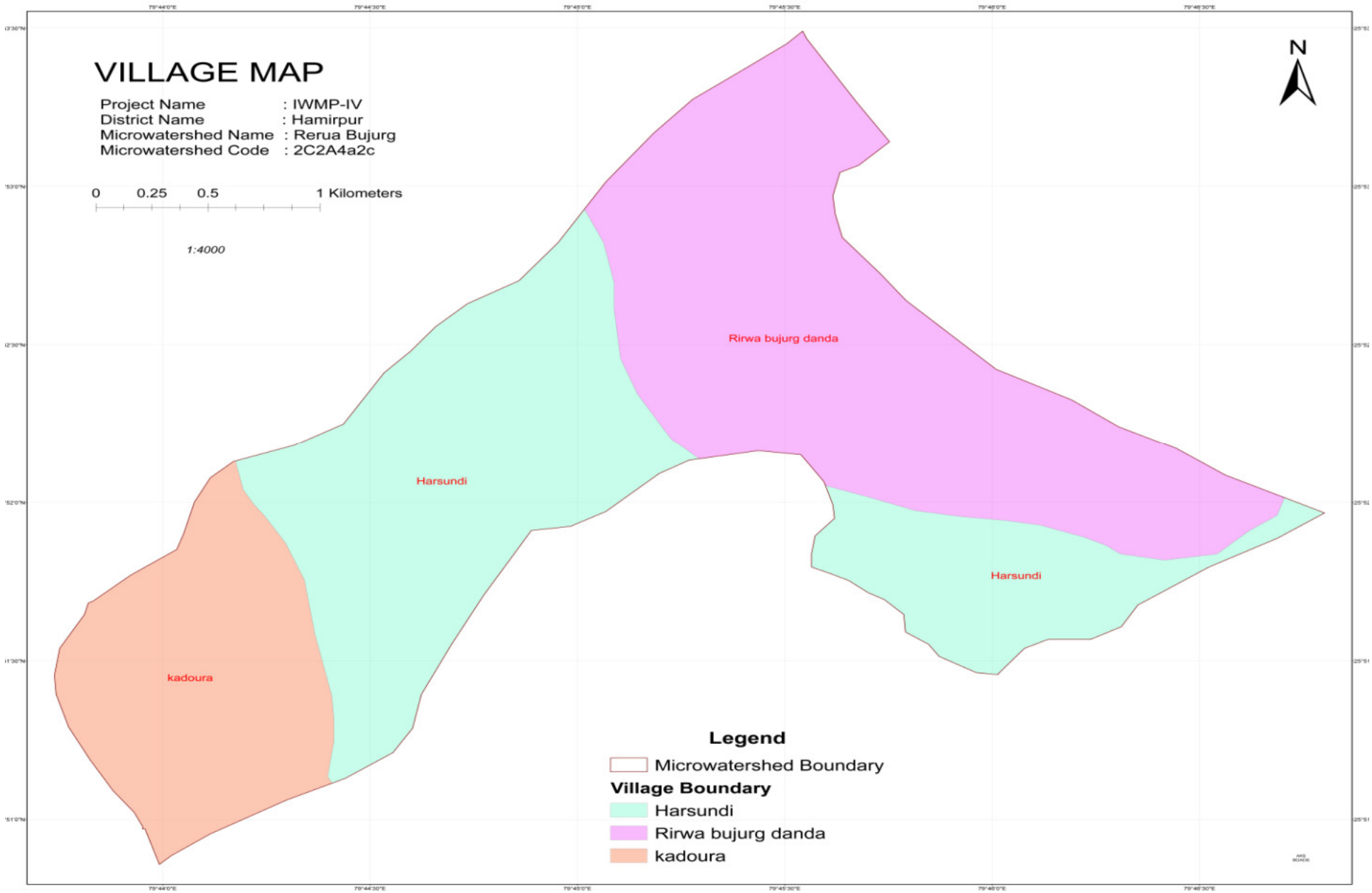

STANDARD FALSE COLOUR COMPOSITE (FCC)
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Rerua Bujurg
Microwatershed Code : 2C2A4a2c
0 0.25 0.5 1 Kilometers
1:4000
N
Rirwa bujurg dangi
Harsundi
kadoura
Harsundi
Legend
Microwatershed Boundary
Village Boundary
Betwa River
Drain River
Forest
Kachha Road
Field
fcc
RGB
Red: Band_1
Green: Band_2
Blue: Band_3

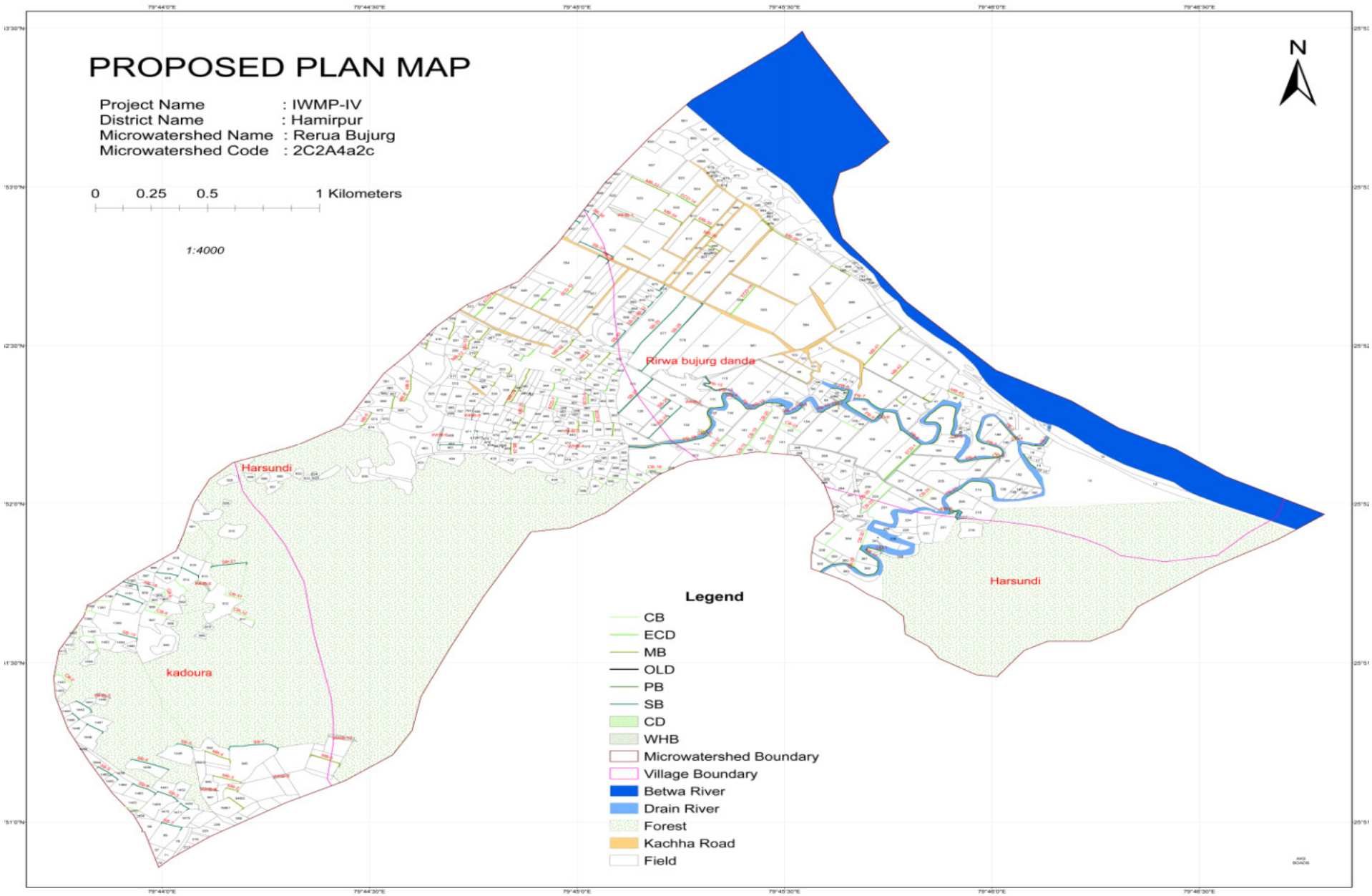

DIGITAL ELEVATION MODEL
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Rerua Bujurg
Microwatershed Code : 2C2A4a2c
0 0.25 0.5 1 Kilometers
1:4000
N
Rirwa bujurg danda
Harsundi
kadoura
Harsundi
Legend
Microwatershed Boundary
Village Boundary
Betwa River
Drain River
Forest
Kachha Road
Field
dem
Value
High : 129
Low : 79
Source - ASTER DEM30m

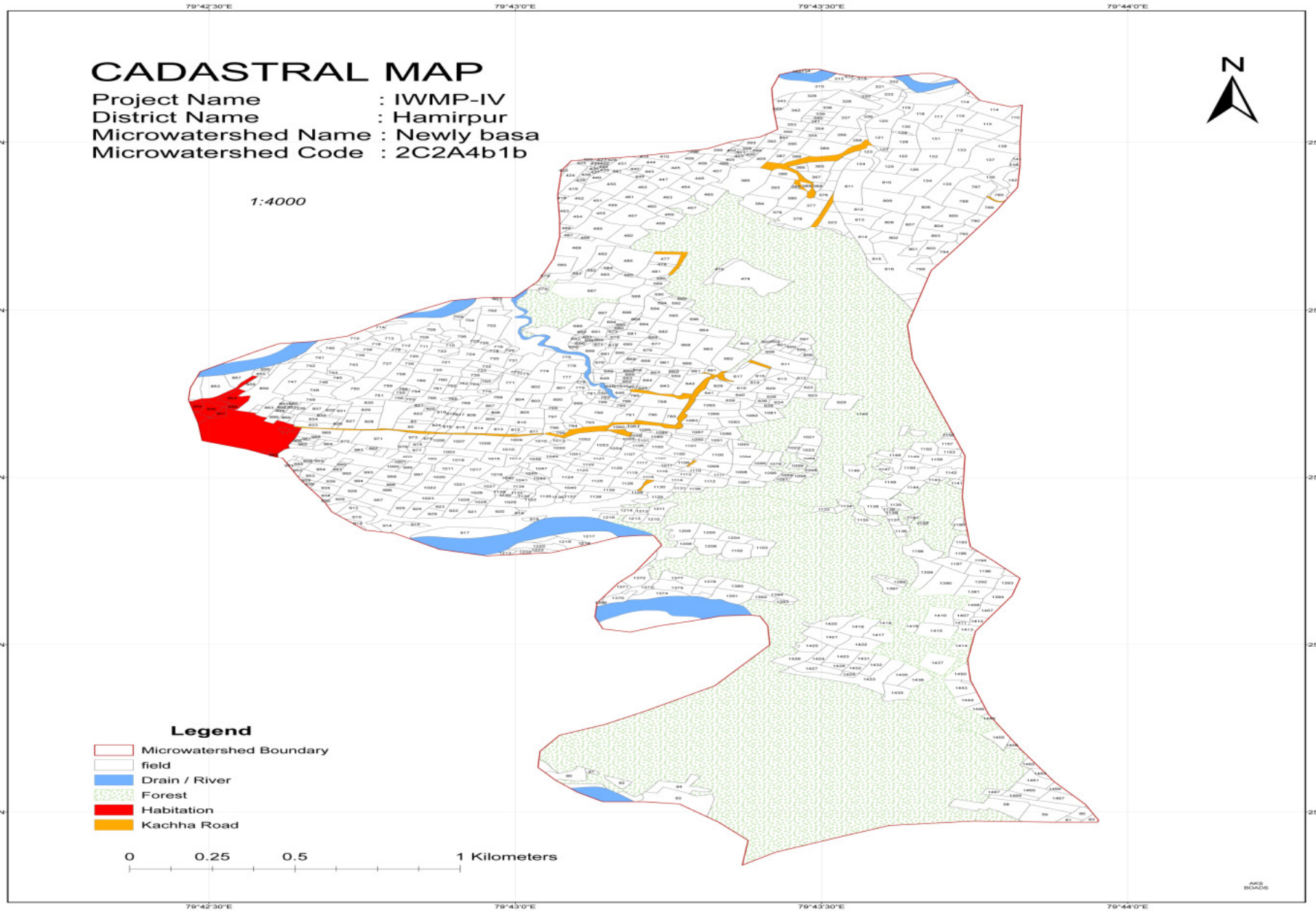

LANDUSE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Rerua Bujurg
Microwatershed Code : 2C2A4a2c
0 0.25 0.5 1 Kilometers
1:4000
N
Rirwa bujurg danda
Harsundi
Harsundi
kadoura
Legend
Microwatershed Boundary
Village Boundary
Betwa River
Drain River
Forest
Kachha Road
Field

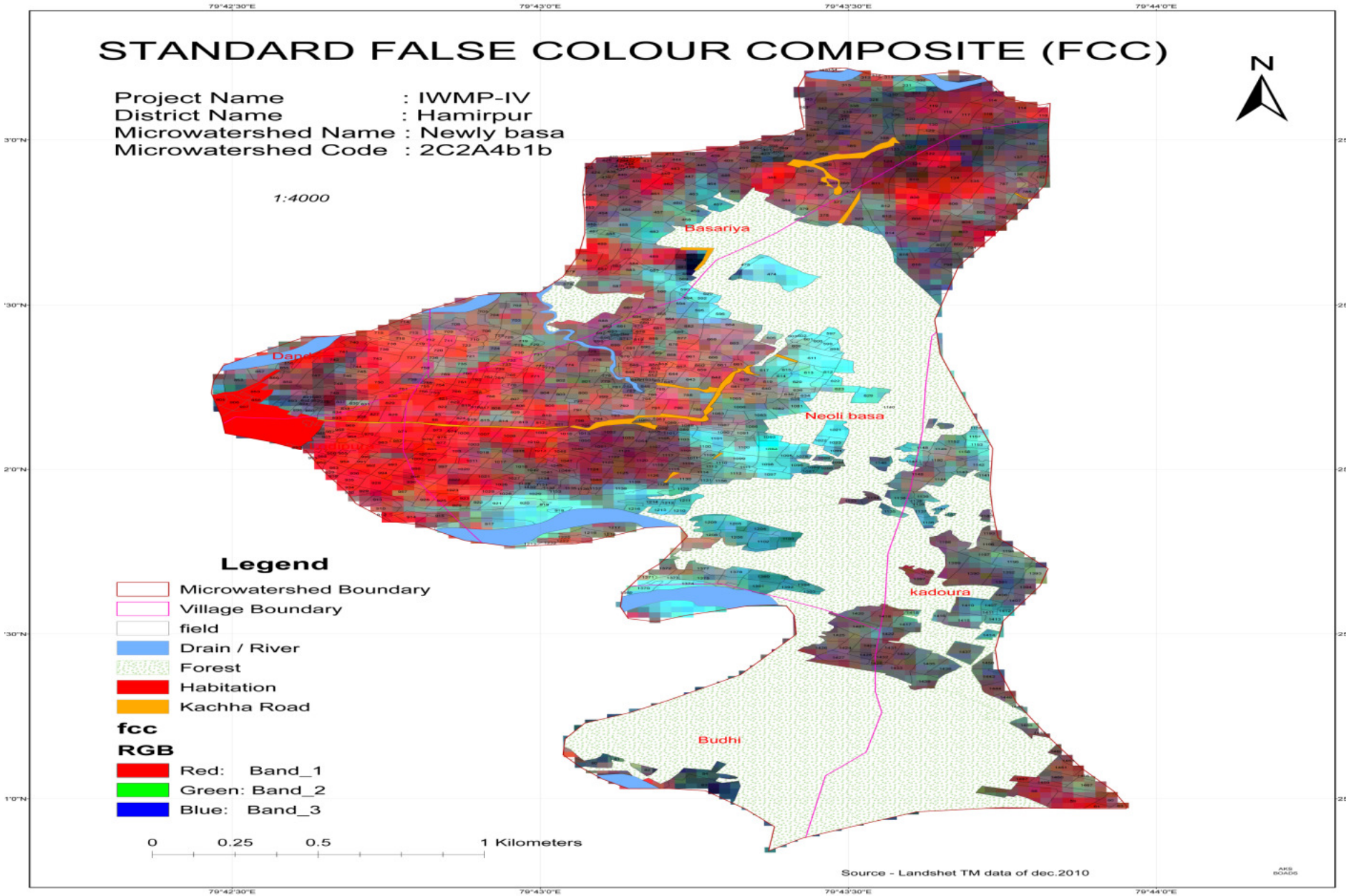

SLOPE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Rerua Bujurg
Microwatershed Code : 2C2A4a2c
0 0.25 0.5 1 Kilometers
1:4000
N
Rirwa bujurg danda
Harsundi
kadoura
Harsundi
Legend
Microwatershed Boundary
Village Boundary
Betwa River
Drain River
Forest
Kachha Road
Field
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
Derived from 30 m. ASTER DEM

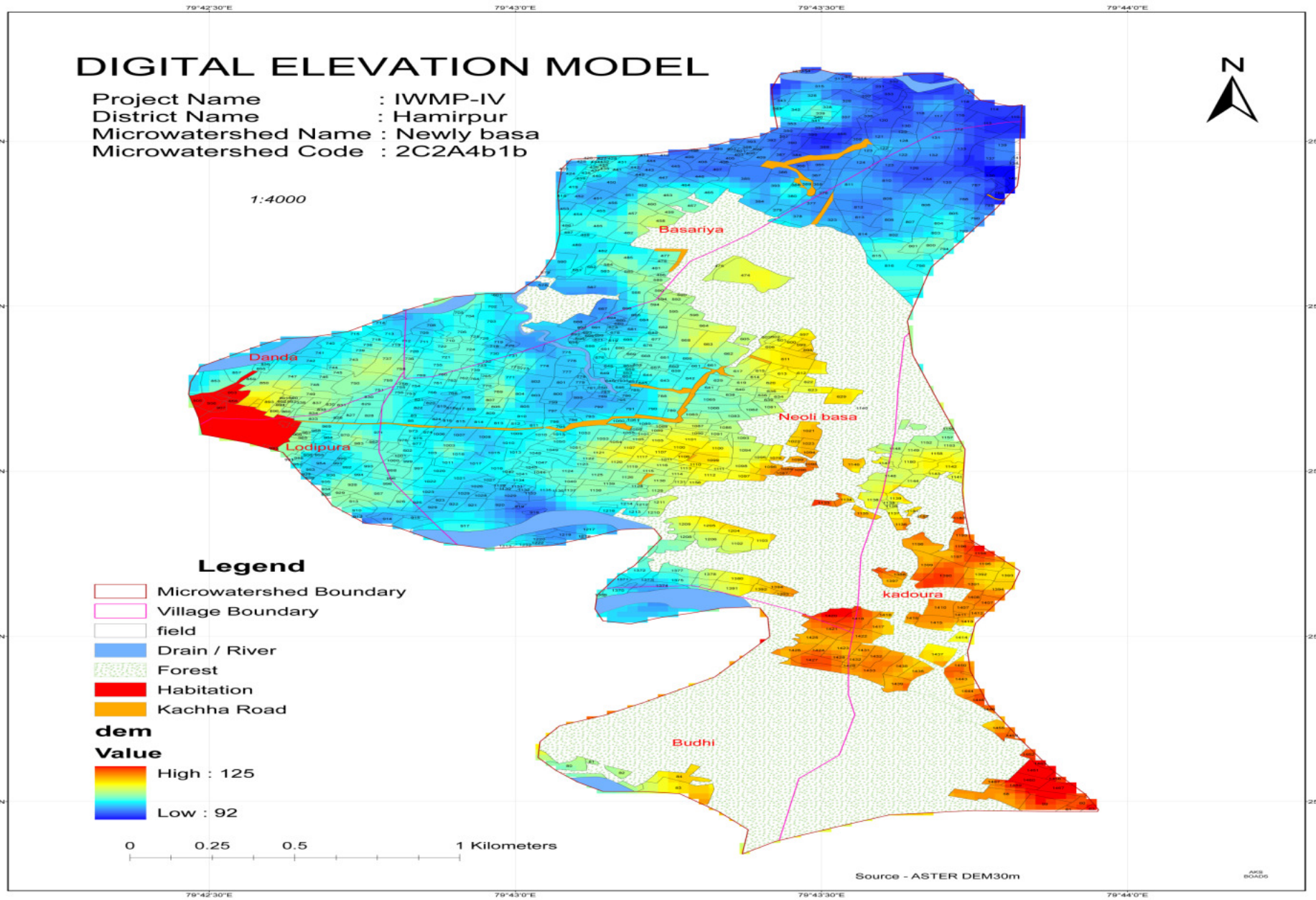

CONTOUR MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Rerua Bujurg
Microwatershed Code : 2C2A4a2c
0 0.25 0.5 1 Kilometers
1:4000
N
Rirwa bujurg danda
Harsundi
kadoura
Harsundi
Legend
CONTOUR
80
85
90
95
100
105
110
115
120
125
Microwatershed Boundary
Village Boundary
Betwa River
Drain River
Forest
Kachha Road
Field
Derived from 30 m. ASTER DEM

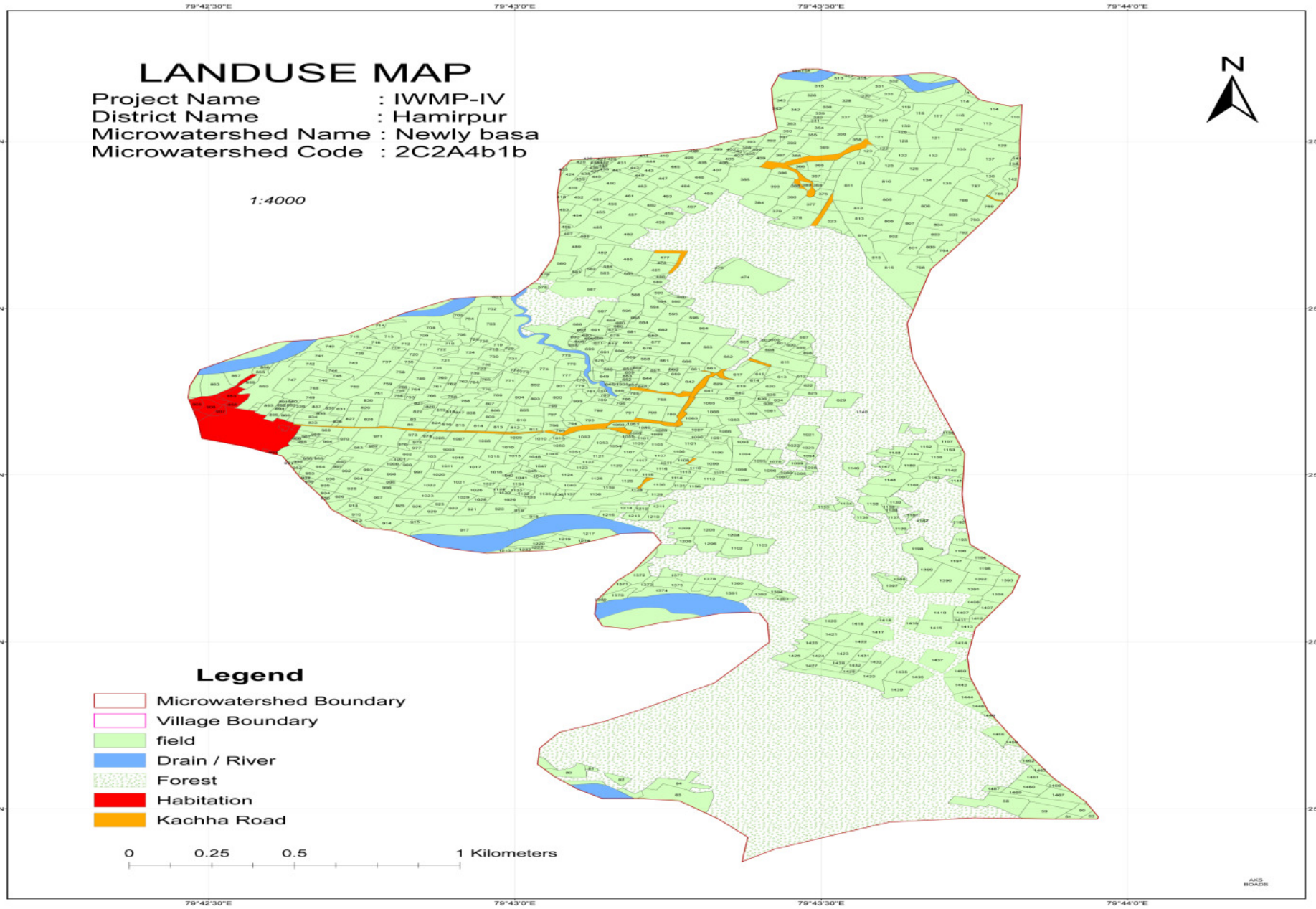

VILLAGE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Rerua Bujurg
Microwatershed Code : 2C2A4a2c
0 0.25 0.5 1 Kilometers
1:4000
N
Rirwa bujurg danda
Harsundi
Harsundi
kadoura
Legend
Microwatershed Boundary
Village Boundary
Harsundi
Rirwa bujurg danda
kadoura

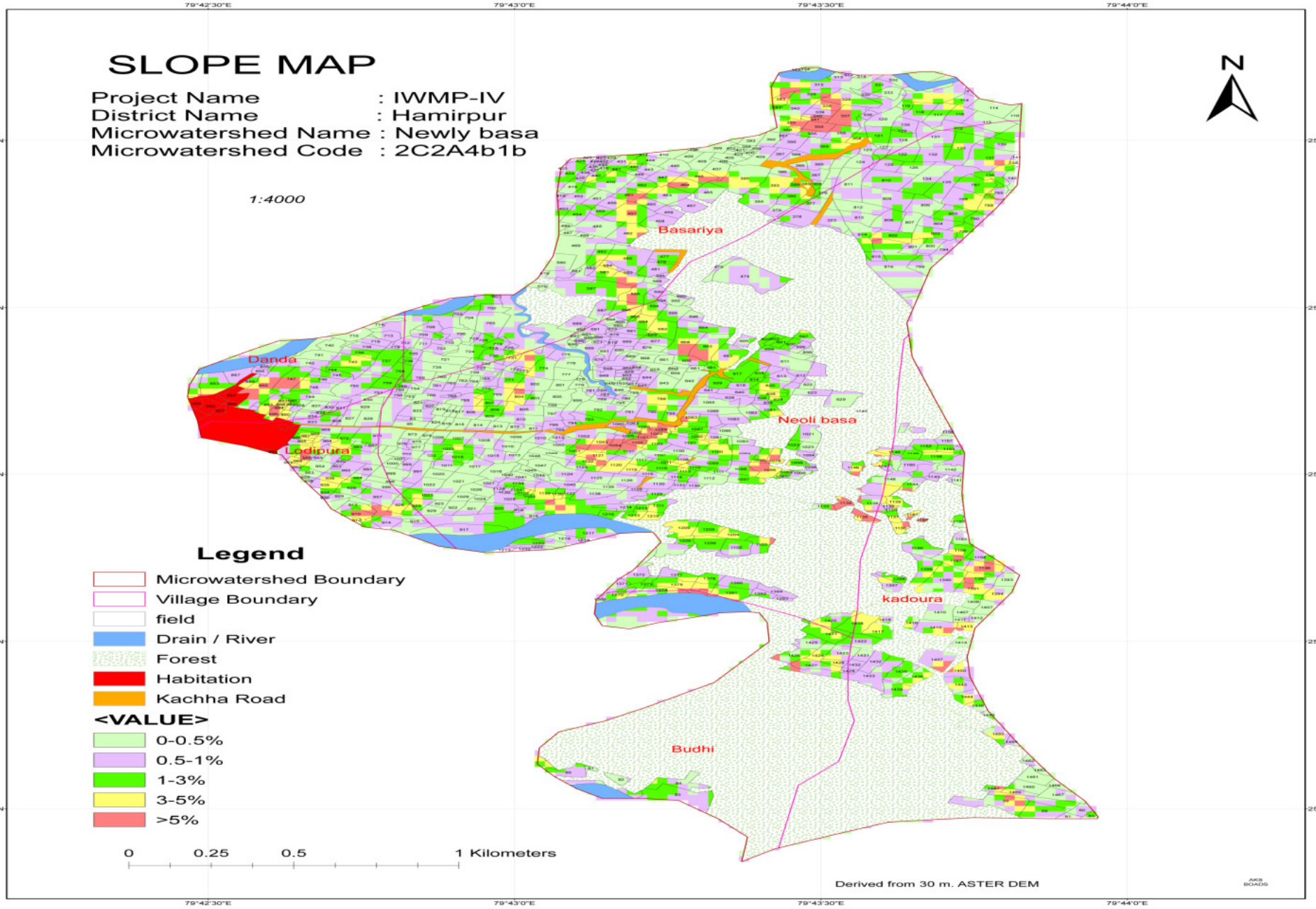

PROPOSED PLAN MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Rerua Bujurg
Microwatershed Code : 2C2A4a2c
0 0.25 0.5 1 Kilometers
1:4000
N
Rirwa bujurg danda
Harsundi
Harsundi
kadoura
Legend
CB
ECD
MB
OLD
PB
SB
CD
WHB
Microwatershed Boundary
Village Boundary
Betwa River
Drain River
Forest
Kachha Road
Field

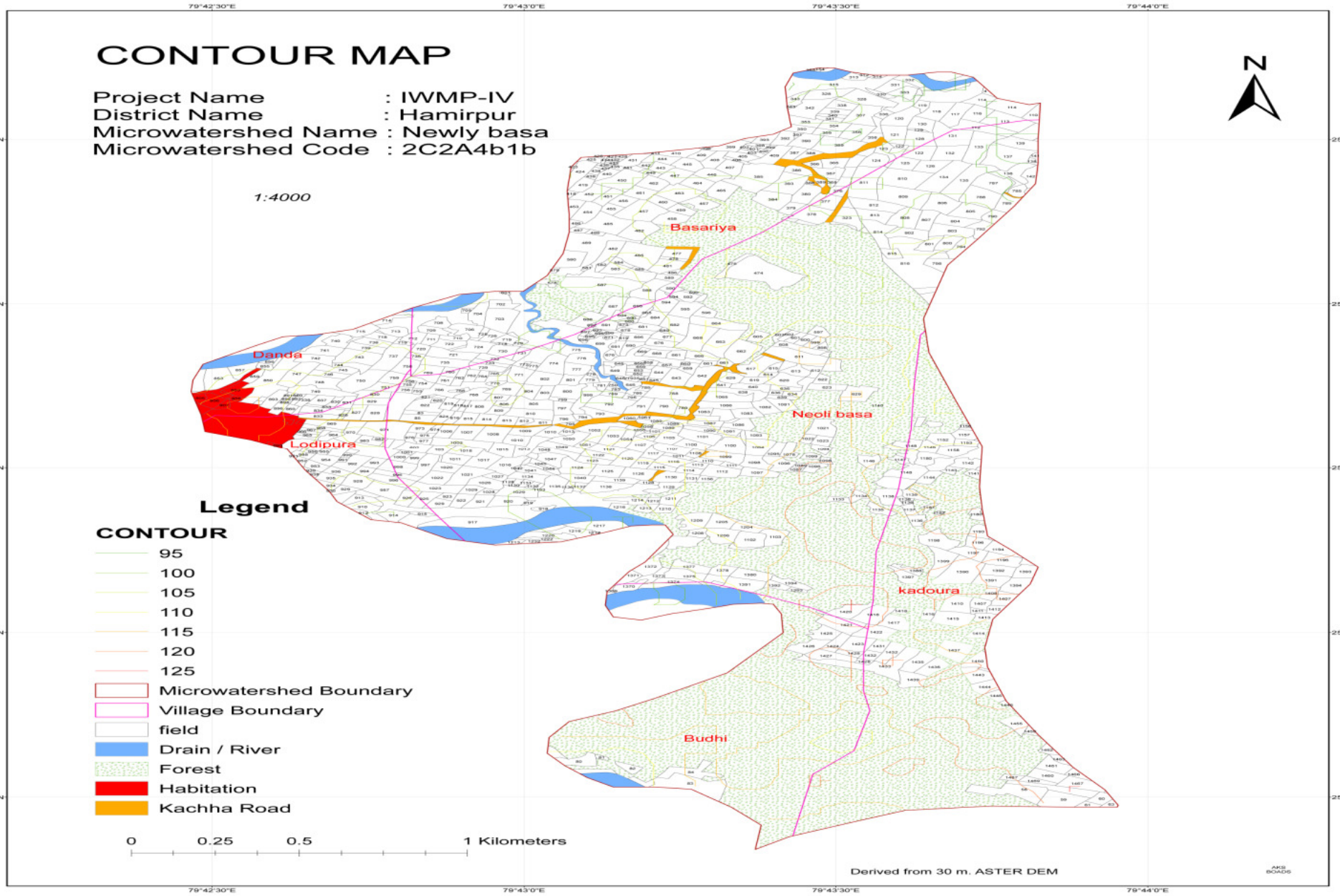

CADASTRAL MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Newly basa
Microwatershed Code : 2C2A4b1b
1:4000
N
Legend
Microwatershed Boundary
field
Drain / River
Forest
Habitation
Kachha Road
0 0.25 0.5 1 Kilometers
79°42'30"E
79°43'0"E
79°43'30"E
79°44'0"E

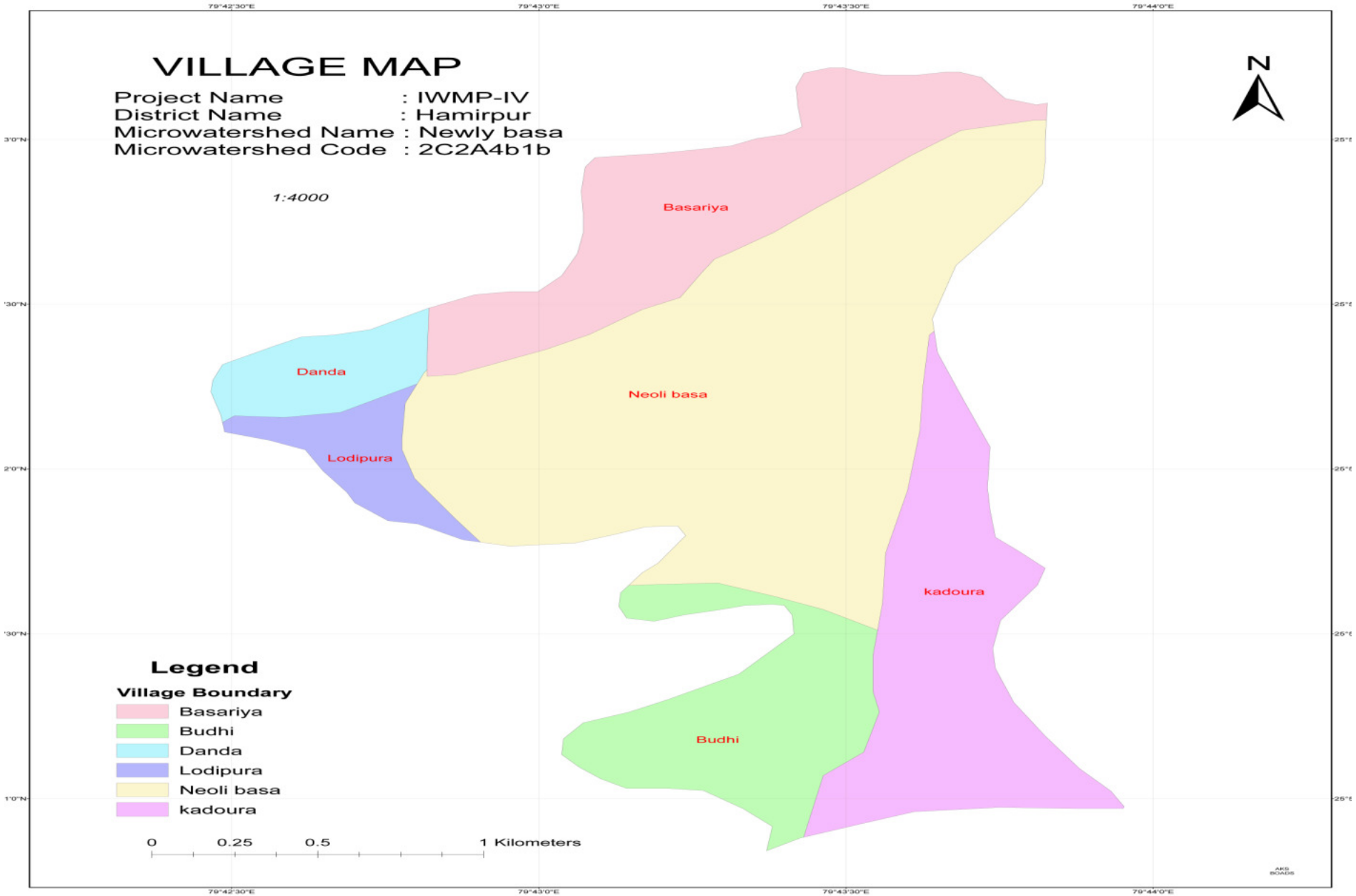

STANDARD FALSE COLOUR COMPOSITE (FCC)
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Newly basa
Microwatershed Code : 2C2A4b1b
1:4000
N
Basariya
Neoli basa
kadoura
Budhi
Legend
Microwatershed Boundary
Village Boundary
field
Drain / River
Forest
Habitation
Kachha Road
fcc
RGB
Red: Band_1
Green: Band_2
Blue: Band_3
0 0.25 0.5 1 Kilometers
Source - Landshet TM data of dec.2010

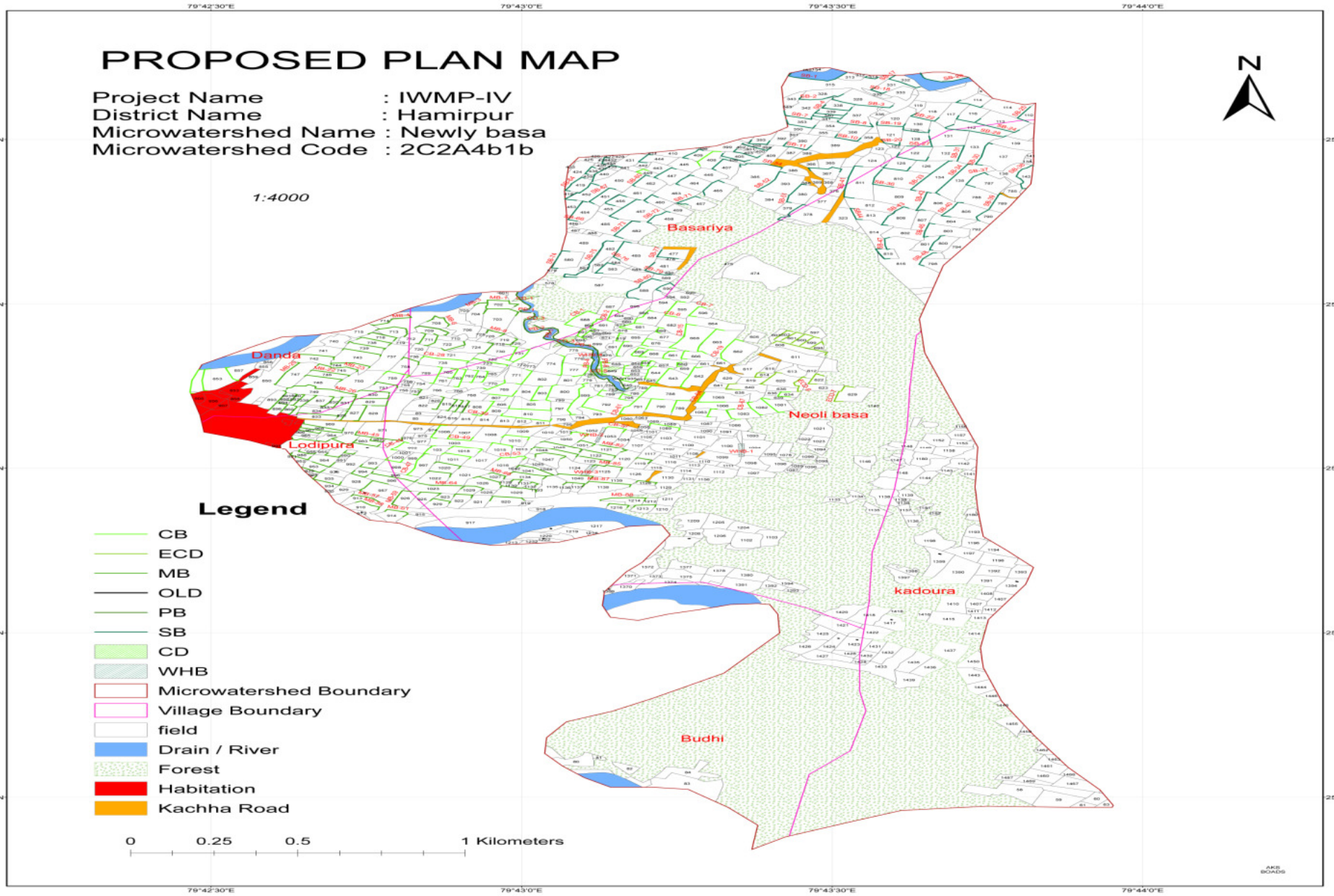

DIGITAL ELEVATION MODEL
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Newly basa
Microwatershed Code : 2C2A4b1b
1:4000
N
Basariya
Danda
Lodipura
Neoli basa
kadoura
Budhi
Legend
Microwatershed Boundary
Village Boundary
field
Drain / River
Forest
Habitation
Kachha Road
dem
Value
High : 125
Low : 92
0 0.25 0.5 1 Kilometers
Source - ASTER DEM30m
79°42'30"E
79°43'0"E
79°43'30"E
79°44'0"E

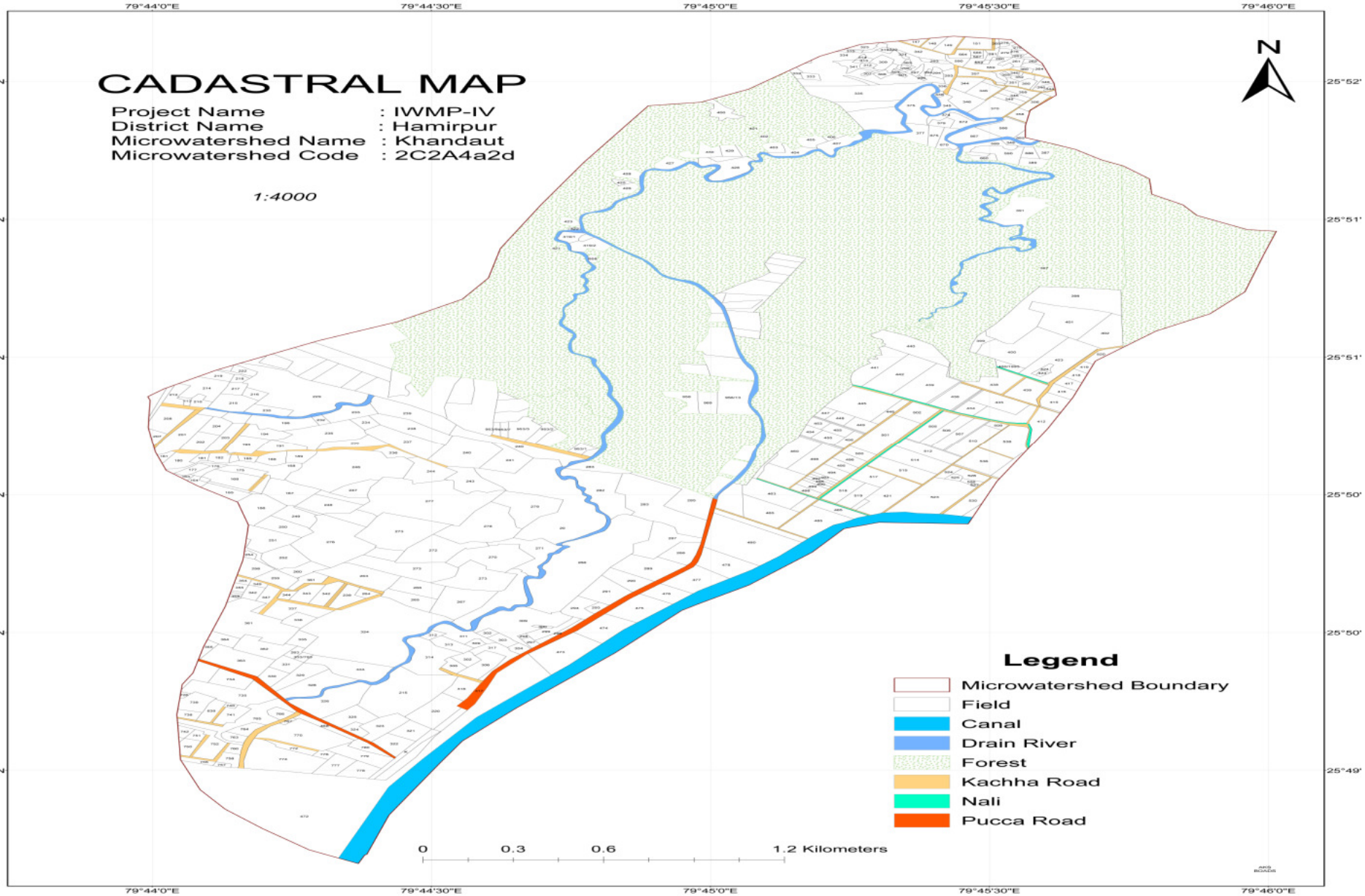

LANDUSE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Newly basa
Microwatershed Code : 2C2A4b1b
1:4000
N
Legend
Microwatershed Boundary
Village Boundary
field
Drain / River
Forest
Habitation
Kachha Road
0
0.25
0.5
1 Kilometers
79°42'30"E
79°43'0"E
79°43'30"E
79°44'0"E

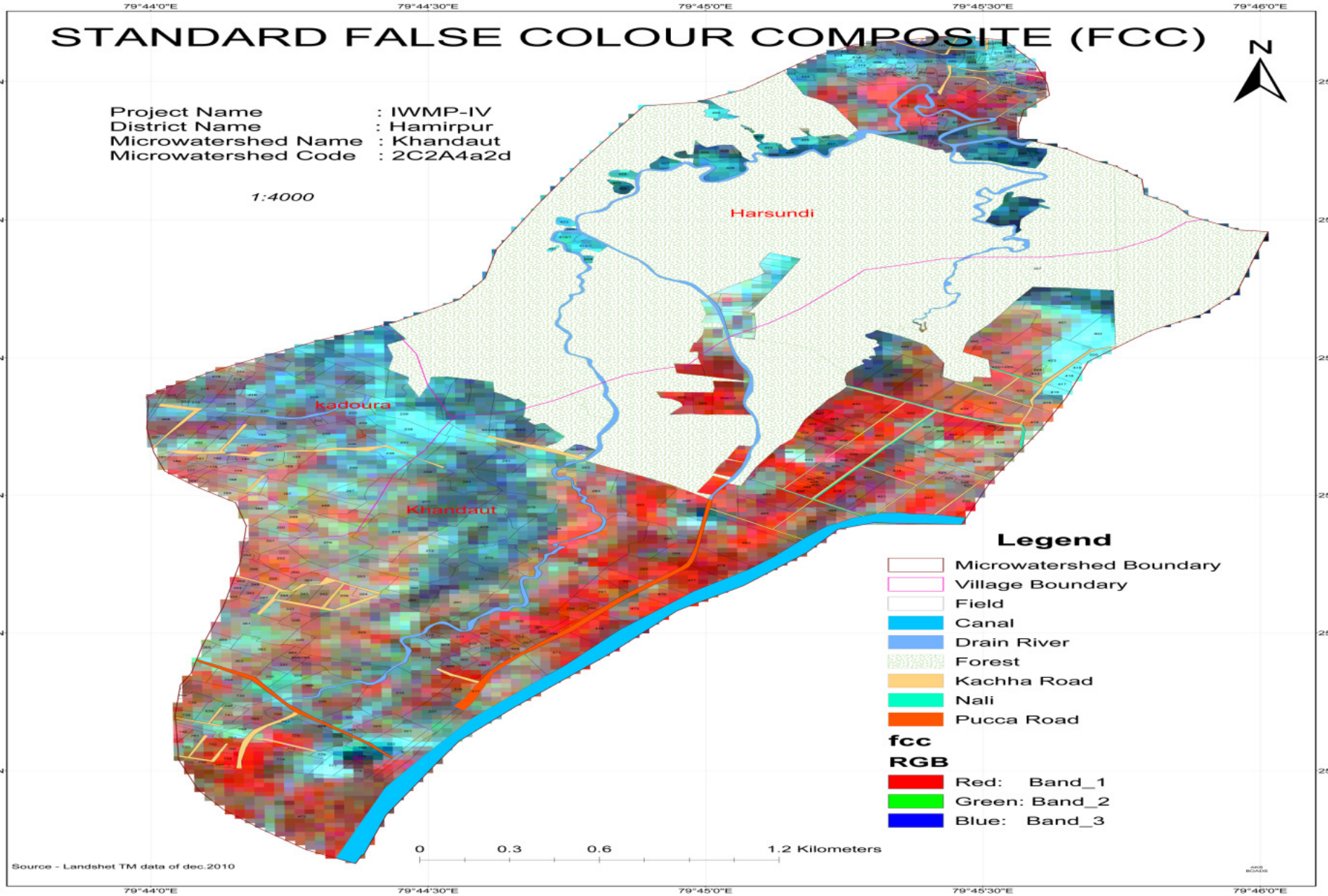

SLOPE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Newly basa
Microwatershed Code : 2C2A4b1b
1:4000
N
Basariya
Danda
Lodipura
Neoli basa
kadoura
Budhi
Legend
Microwatershed Boundary
Village Boundary
field
Drain / River
Forest
Habitation
Kachha Road
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
0 0.25 0.5 1 Kilometers
Derived from 30 m. ASTER DEM
79°42'30"E
79°43'0"E
79°43'30"E
79°44'0"E

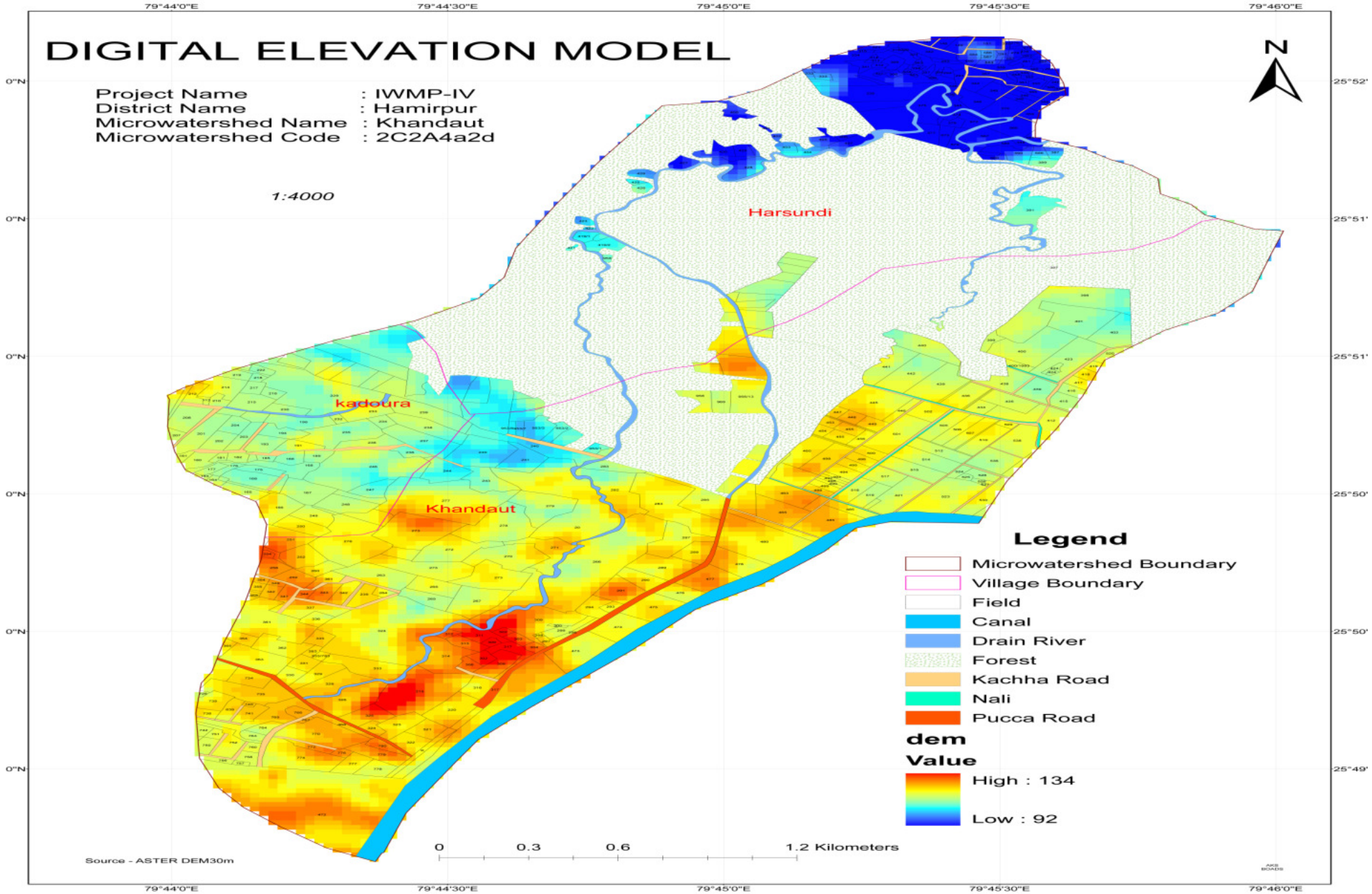

CONTOUR MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Newly basa
Microwatershed Code : 2C2A4b1b
1:4000
N
Basariya
Danda
Lodipura
Neoli basa
kadoura
Budhi
Legend
CONTOUR
95
100
105
110
115
120
125
Microwatershed Boundary
Village Boundary
field
Drain / River
Forest
Habitation
Kachha Road
0 0.25 0.5 1 Kilometers
Derived from 30 m. ASTER DEM
79°42'30"E
79°43'0"E
79°43'30"E
79°44'0"E

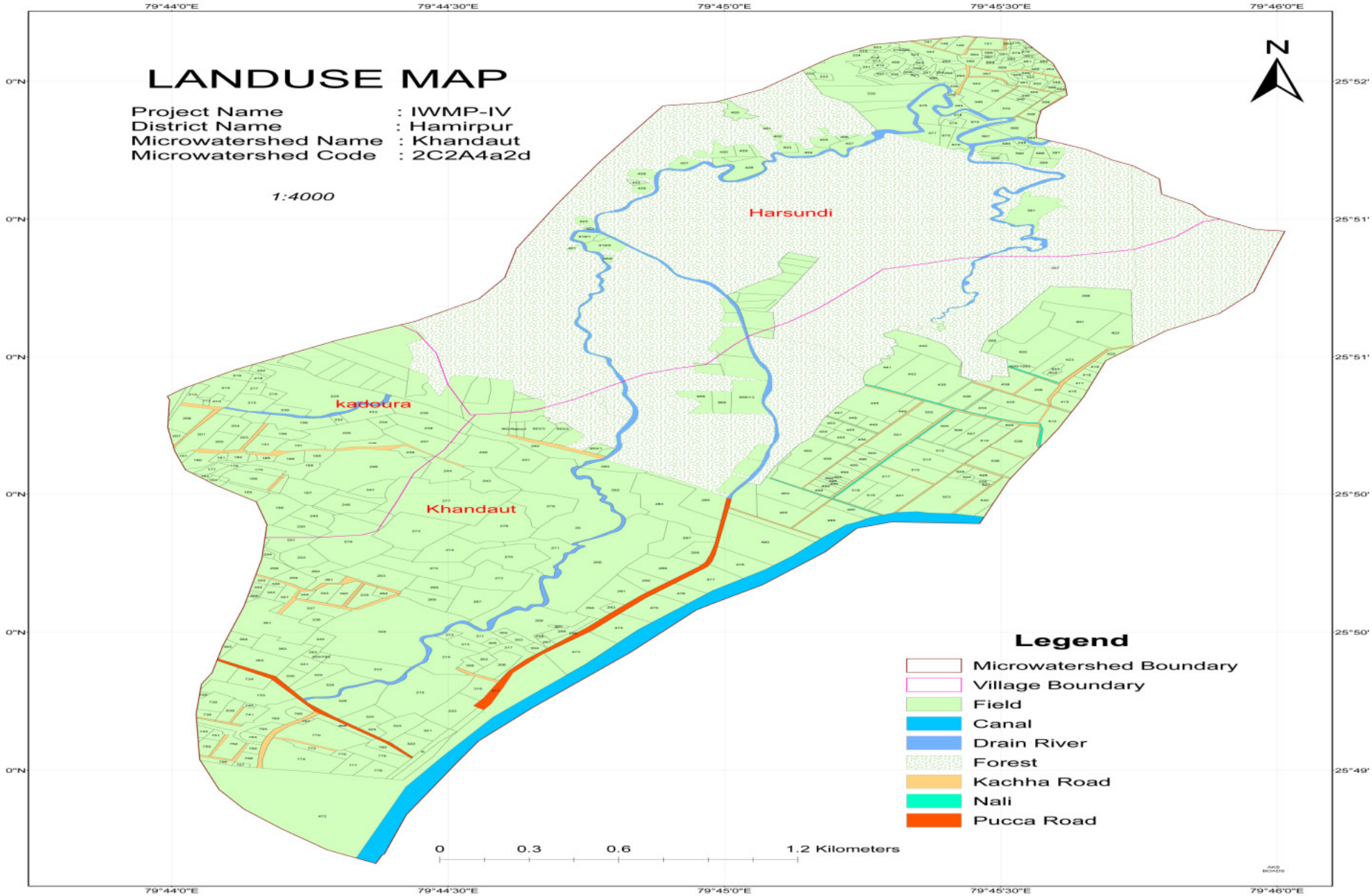

VILLAGE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Newly basa
Microwatershed Code : 2C2A4b1b
1:4000
N
Basariya
Danda
Neoli basa
Lodipura
kadoura
Budhi
Legend
Village Boundary
Basariya
Budhi
Danda
Lodipura
Neoli basa
kadoura
0 0.25 0.5 1 Kilometers

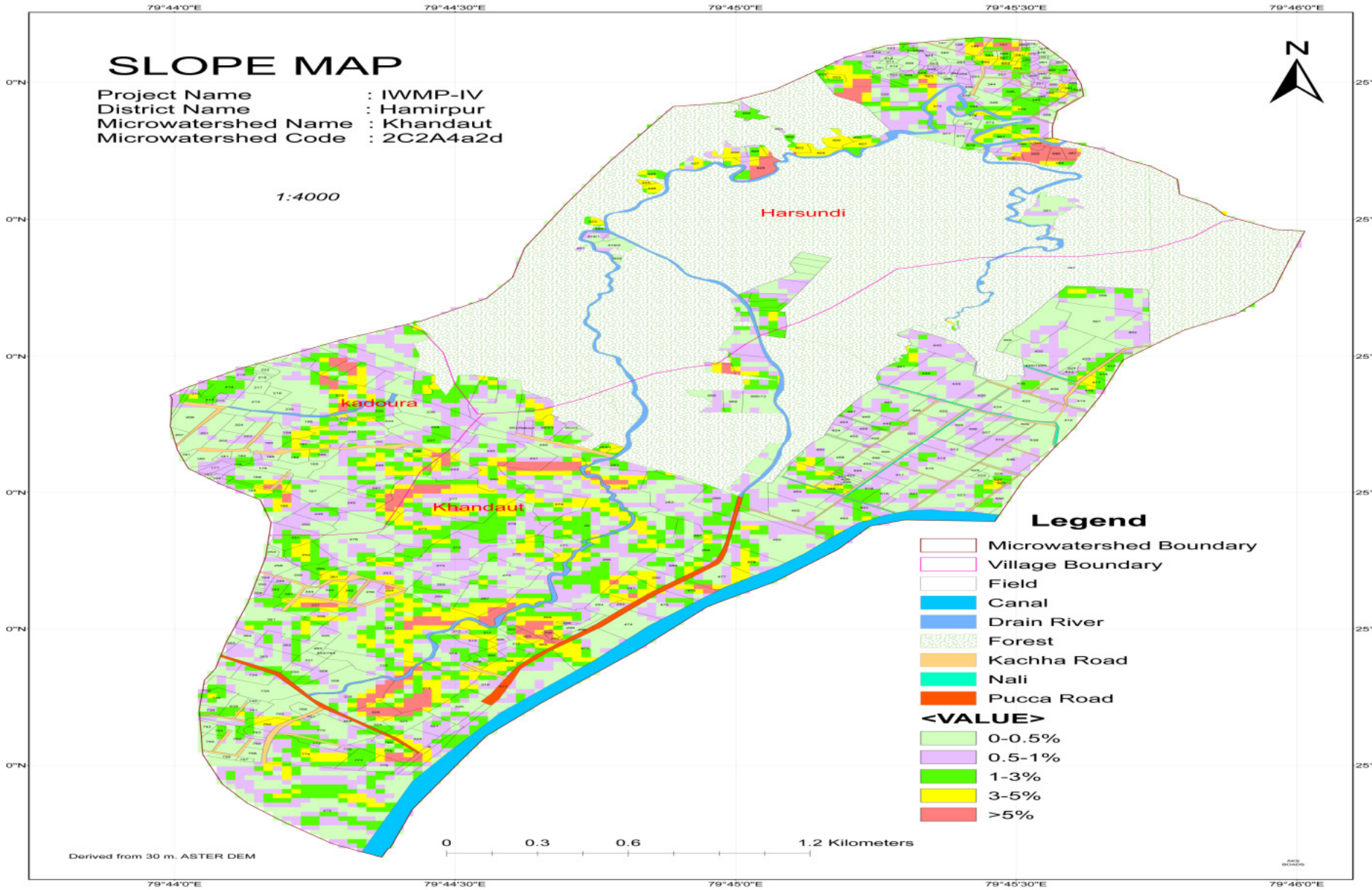

PROPOSED PLAN MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Newly basa
Microwatershed Code : 2C2A4b1b
1:4000
N
Basariya
Danda
Lodipura
Neoli basa
kadoura
Budhi
Legend
CB
ECD
MB
OLD
PB
SB
CD
WHB
Microwatershed Boundary
Village Boundary
field
Drain / River
Forest
Habitation
Kachha Road
0
0.25
0.5
1 Kilometers
79°42'30"E
79°43'0"E
79°43'30"E
79°44'0"E

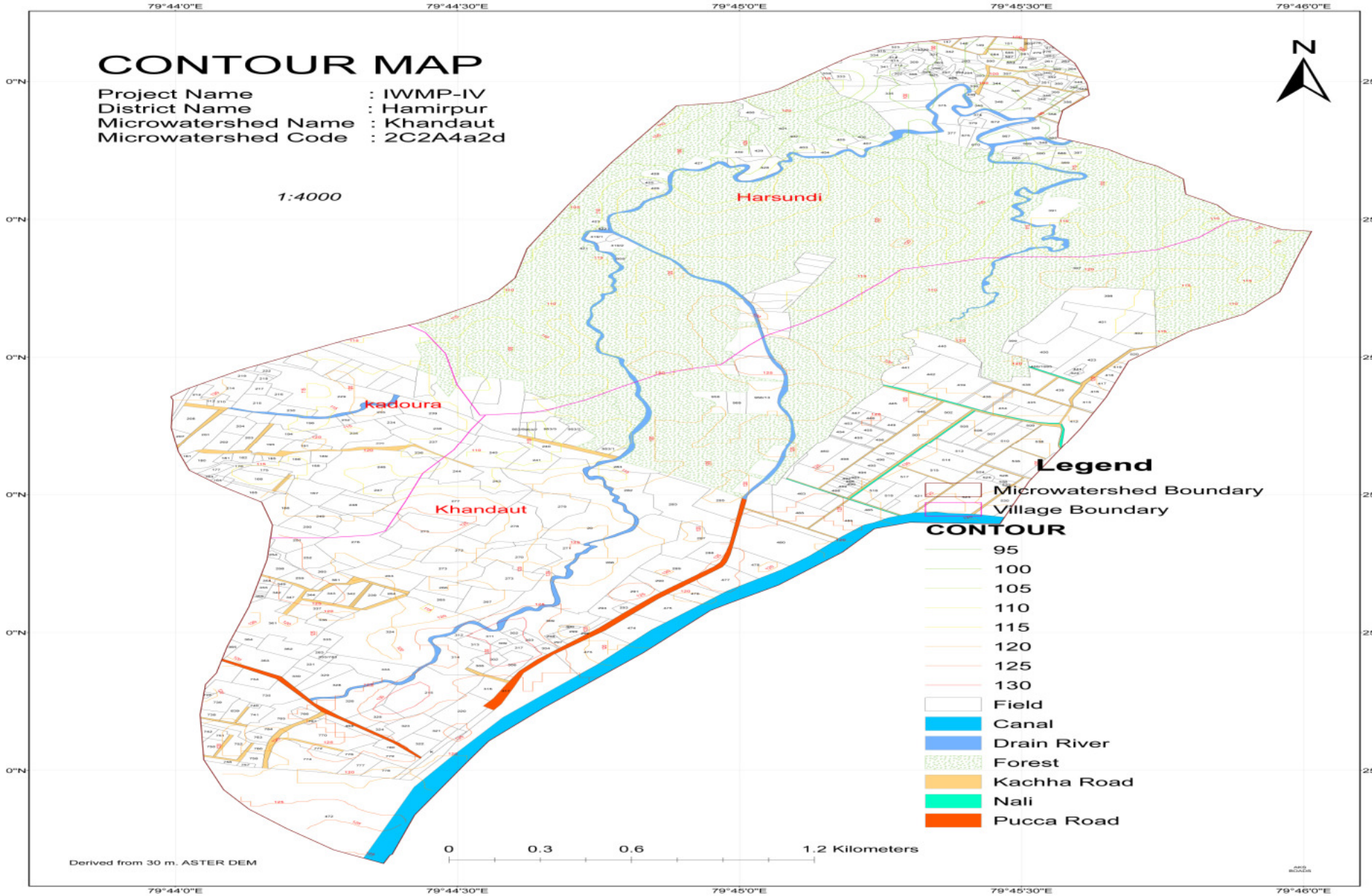

CADASTRAL MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Khandaut
Microwatershed Code : 2C2A4a2d
1:4000
N
Legend
Microwatershed Boundary
Field
Canal
Drain River
Forest
Kachha Road
Nali
Pucca Road
0 0.3 0.6 1.2 Kilometers
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E
25°52'
25°51'
25°50'
25°49'

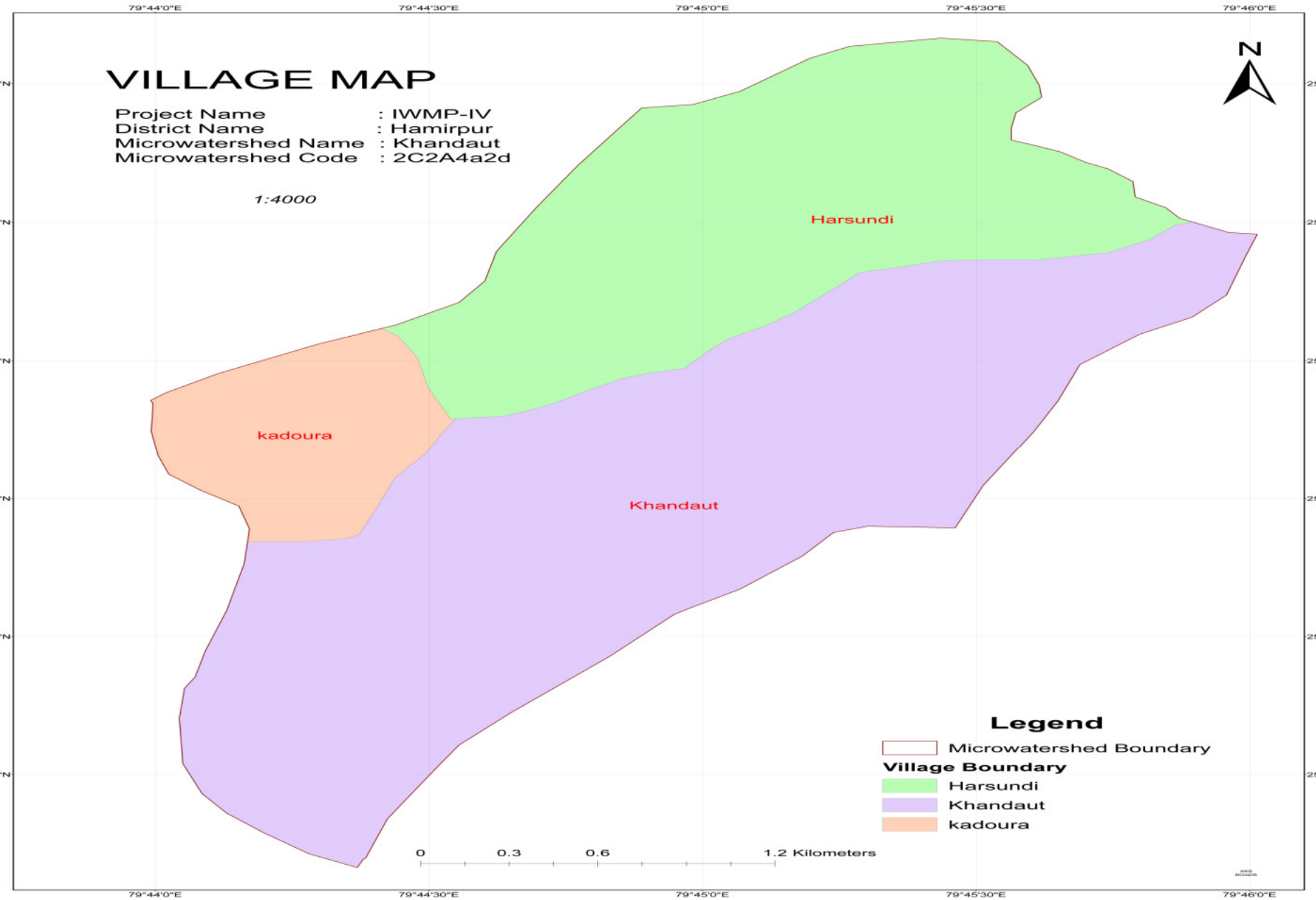

STANDARD FALSE COLOUR COMPOSITE (FCC)
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Khandaut
Microwatershed Code : 2C2A4a2d
1:4000
N
Harsundi
kadoura
Khandaut
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain River
Forest
Kachha Road
Nali
Pucca Road
fcc
RGB
Red: Band_1
Green: Band_2
Blue: Band_3
0 0.3 0.6 1.2 Kilometers
Source - Landshet TM data of dec.2010
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E
25°52'
25°51'
25°50'
25°49'

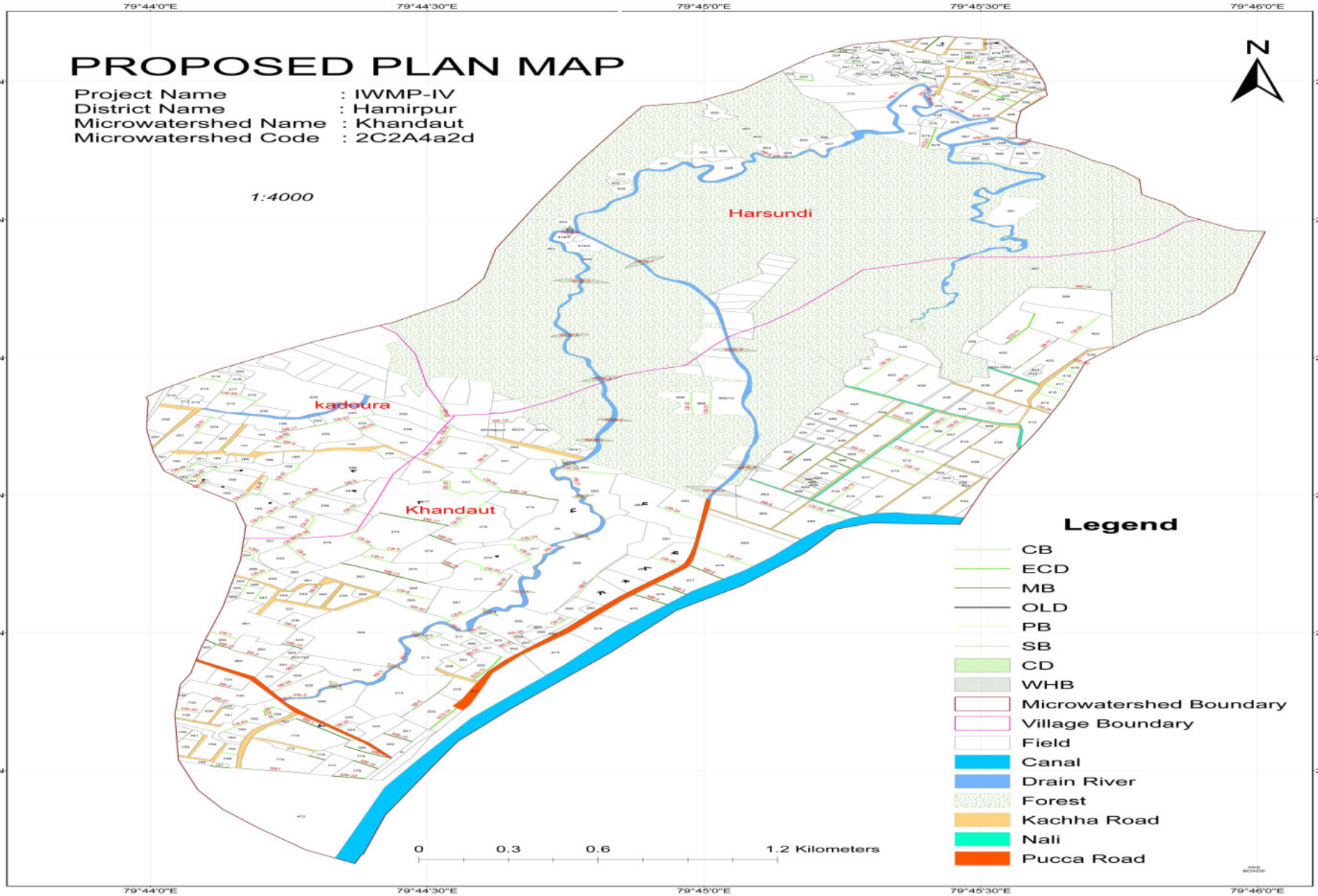

DIGITAL ELEVATION MODEL
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Khandaut
Microwatershed Code : 2C2A4a2d
1:4000
N
Harsundi
Kadoura
Khandaut
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain River
Forest
Kachha Road
Nali
Pucca Road
dem
Value
High : 134
Low : 92
0 0.3 0.6 1.2 Kilometers
Source - ASTER DEM30m
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E
25°52'
25°51'
25°50'
25°49'

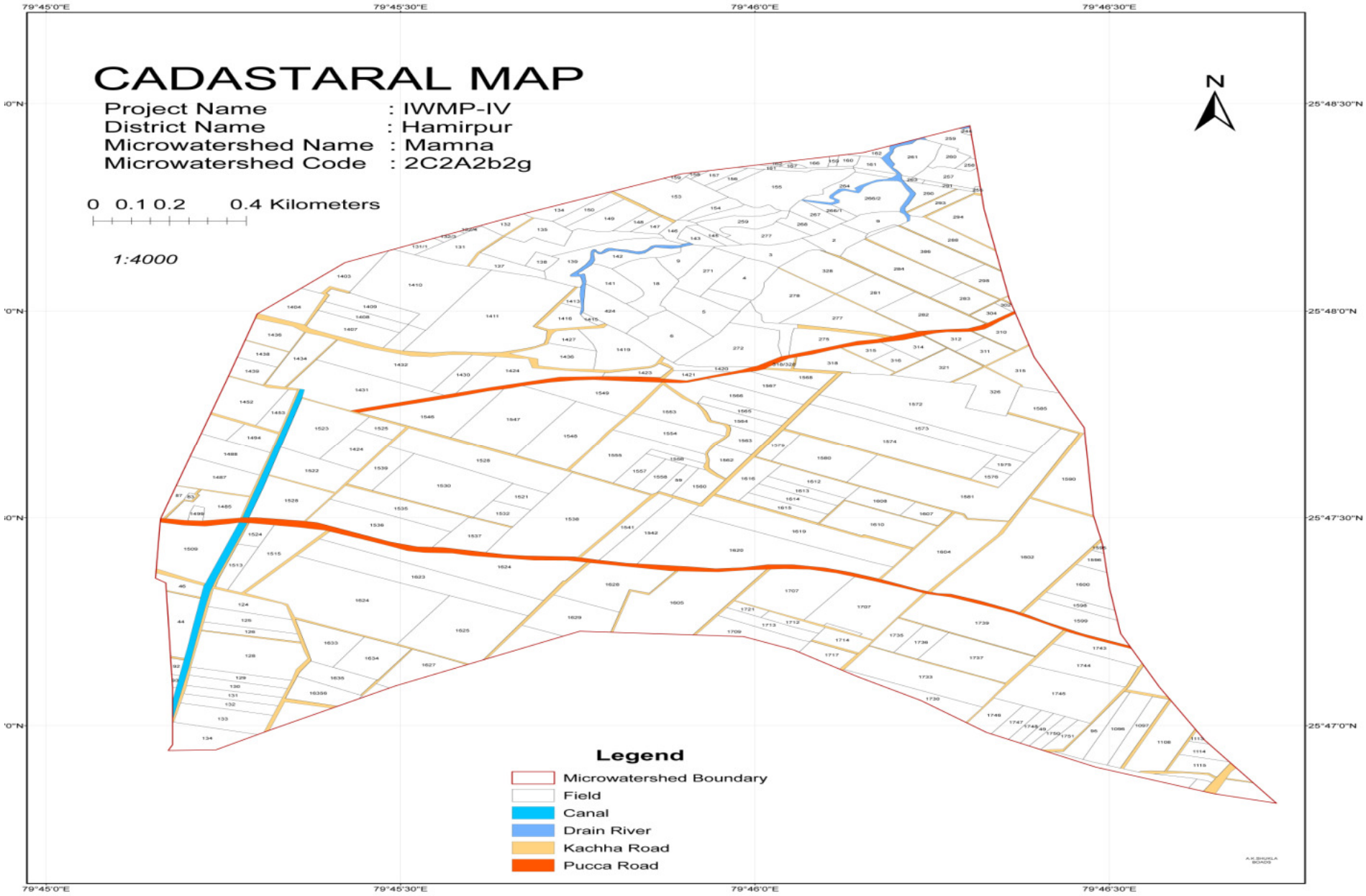

LANDUSE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Khandaut
Microwatershed Code : 2C2A4a2d
1:4000
N
Harsundi
kadoura
Khandaut
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain River
Forest
Kachha Road
Nali
Pucca Road
0 0.3 0.6 1.2 Kilometers
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E
25°52'
25°51'
25°50'
25°49'

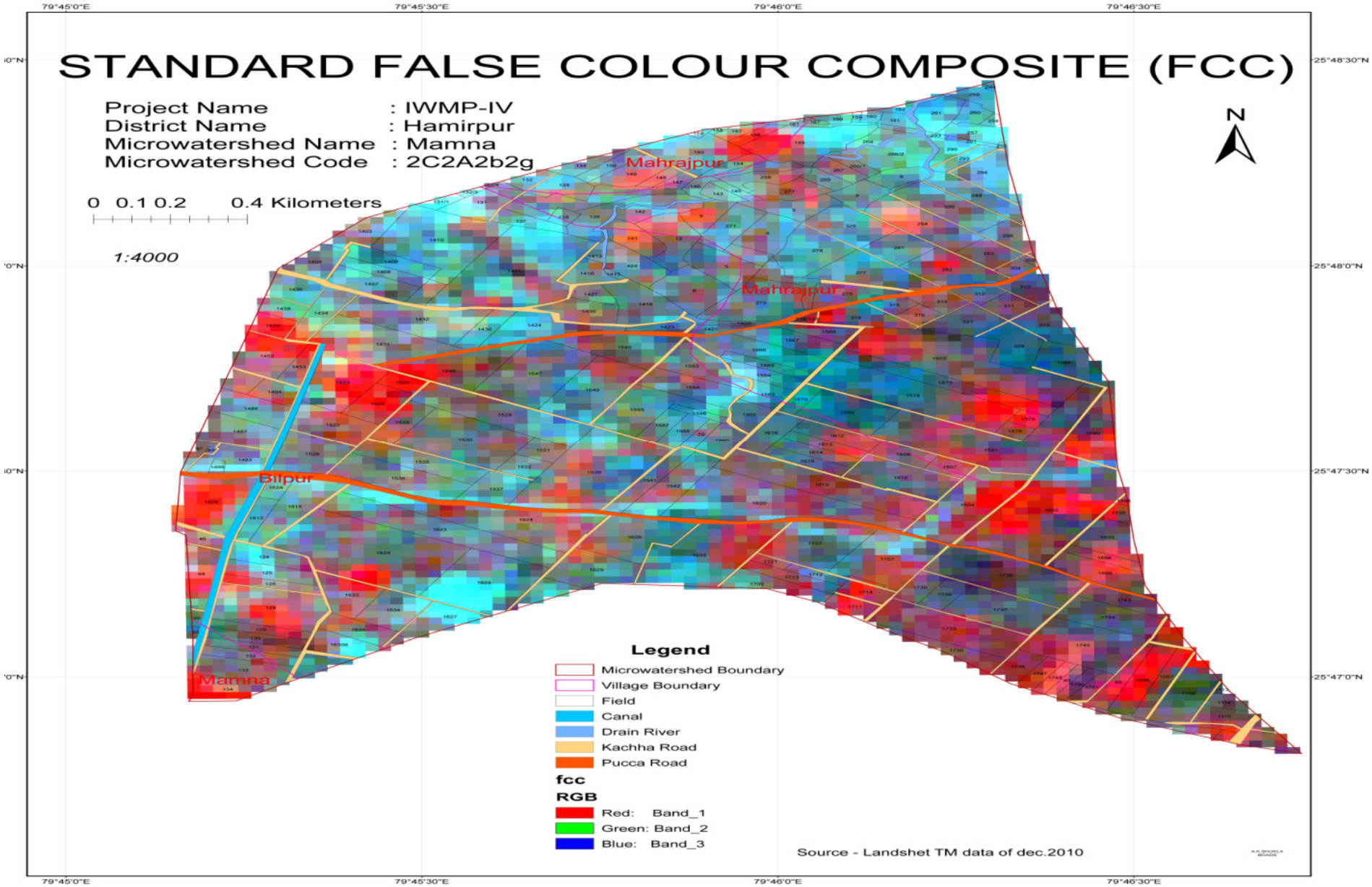

SLOPE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Khandaut
Microwatershed Code : 2C2A4a2d
1:4000
N
Harsundi
Kadoura
Khandaut
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain River
Forest
Kachha Road
Nali
Pucca Road
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
0 0.3 0.6 1.2 Kilometers
Derived from 30 m. ASTER DEM
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E
25°52'
25°51'
25°50'
25°49'

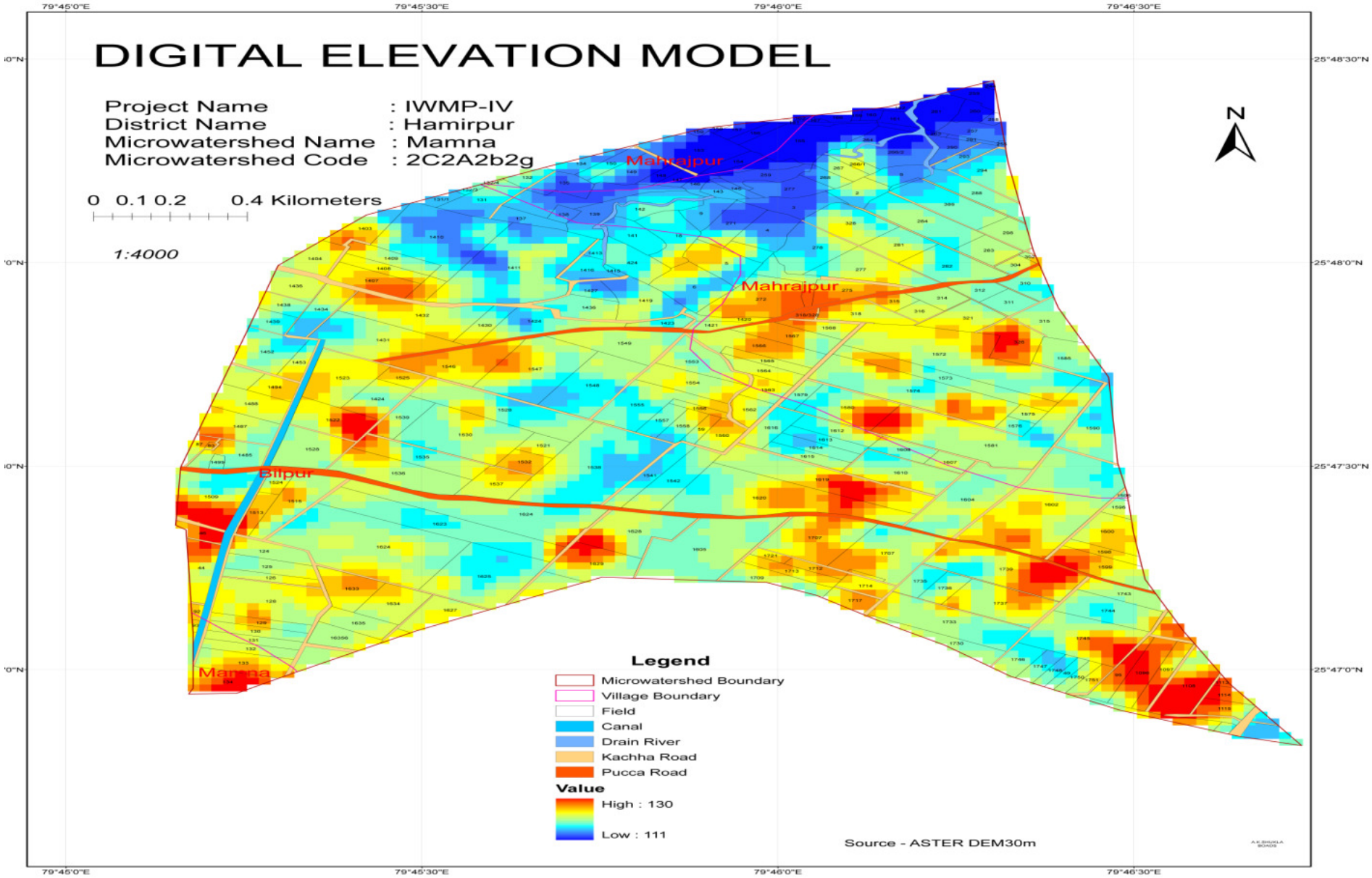

CONTOUR MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Khandaut
Microwatershed Code : 2C2A4a2d
1:4000
N
Harsundi
kadoura
Khandaut
Legend
Microwatershed Boundary
Village Boundary
CONTOUR
95
100
105
110
115
120
125
130
Field
Canal
Drain River
Forest
Kachha Road
Nali
Pucca Road
0 0.3 0.6 1.2 Kilometers
Derived from 30 m. ASTER DEM
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E
25°52'
25°51'
25°50'
25°49'

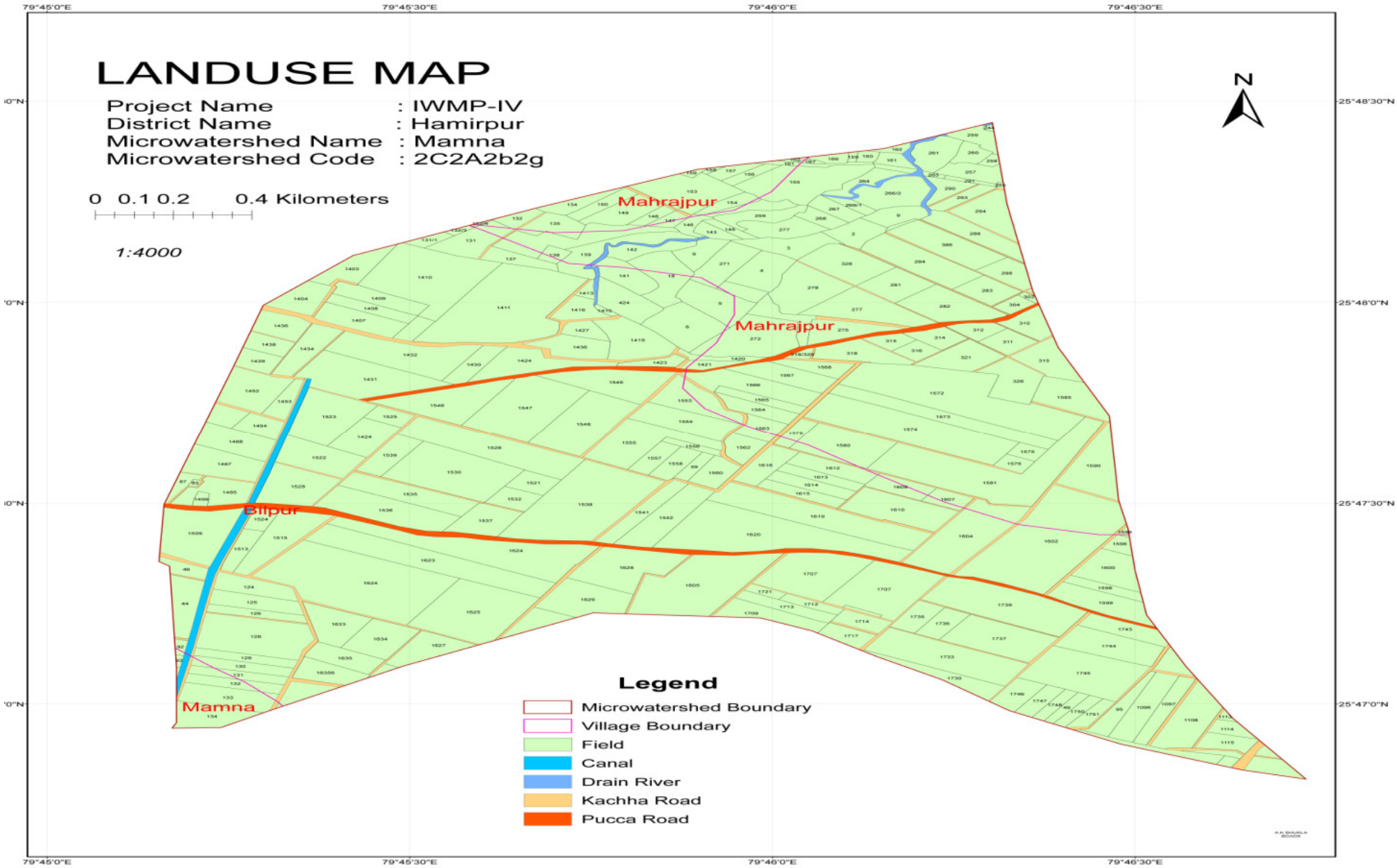

VILLAGE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Khandaut
Microwatershed Code : 2C2A4a2d
1:4000
N
Harsundi
kadoura
Khandaut
Legend
Microwatershed Boundary
Village Boundary
Harsundi
Khandaut
kadoura
0 0.3 0.6 1.2 Kilometers
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E
25°52'
25°51'
25°51'
25°50'
25°50'
25°49'

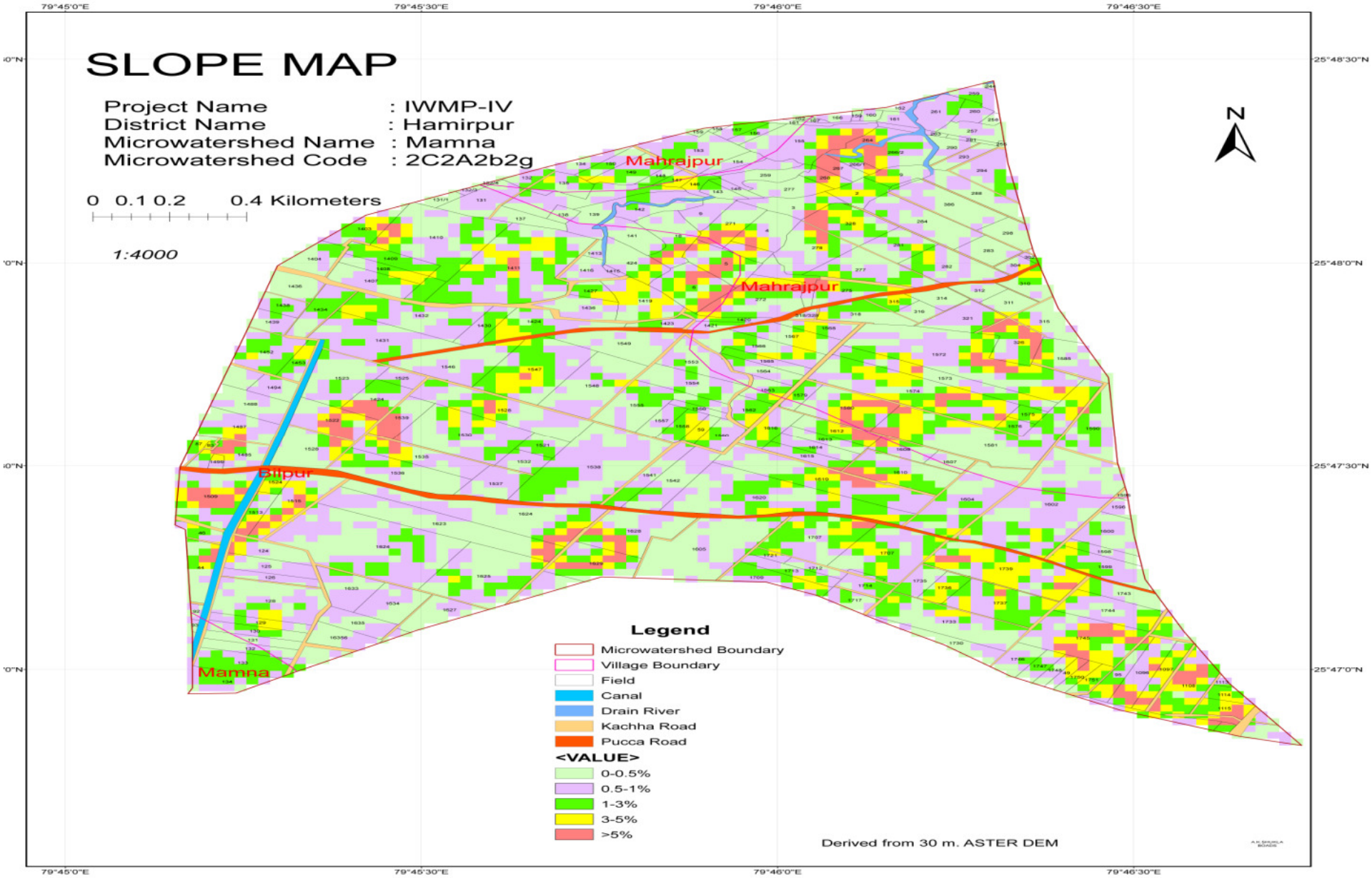

PROPOSED PLAN MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Khandaut
Microwatershed Code : 2C2A4a2d
1:4000
N
Harsundi
kadoura
Khandaut
Legend
CB
ECD
MB
OLD
PB
SB
CD
WHB
Microwatershed Boundary
Village Boundary
Field
Canal
Drain River
Forest
Kachha Road
Nali
Pucca Road
0
0.3
0.6
1.2 Kilometers
79°44'0"E
79°44'30"E
79°45'0"E
79°45'30"E
79°46'0"E
25°52'
25°51'
25°50'
25°49'

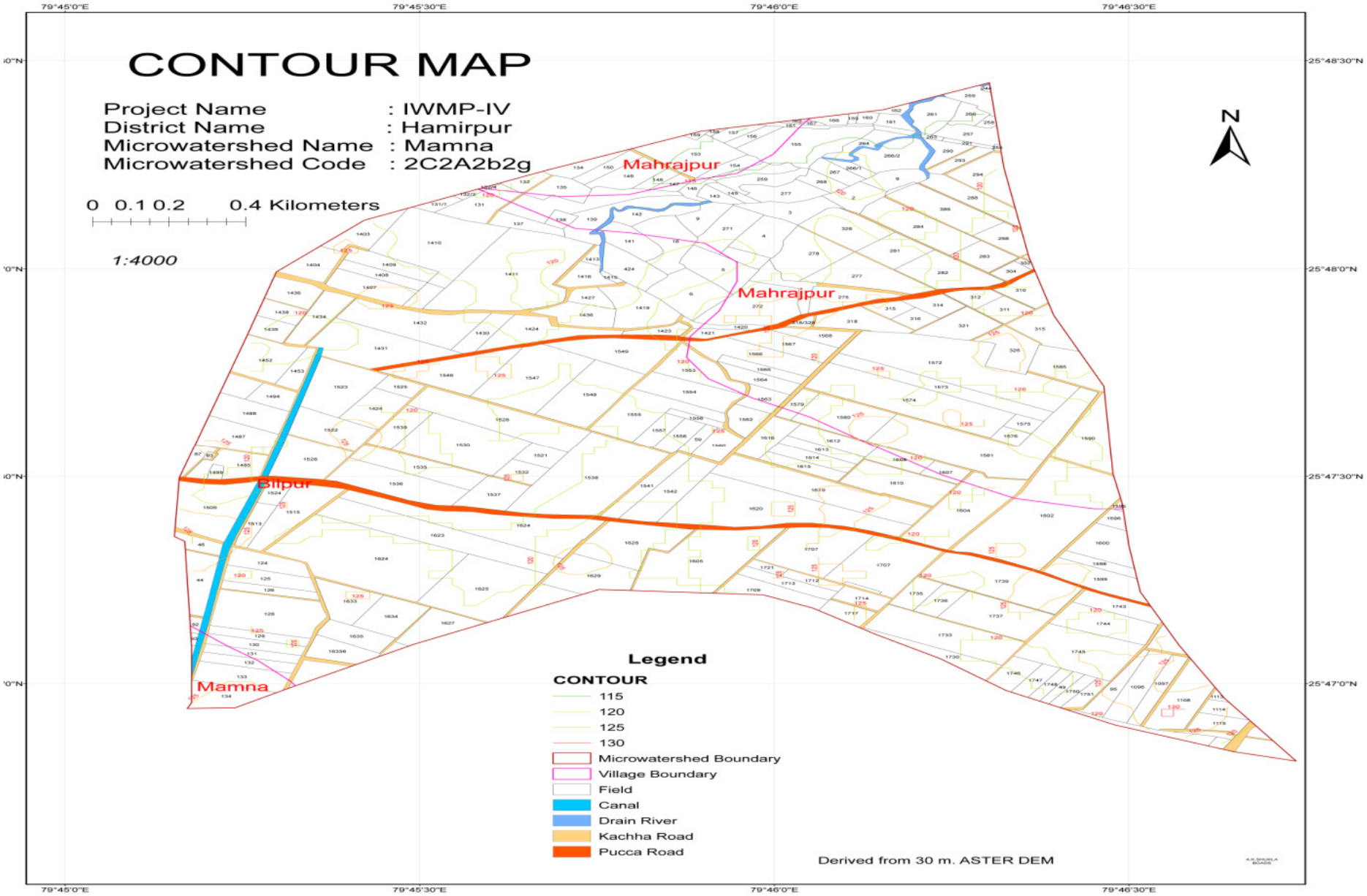

CADASTARAL MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Mamna
Microwatershed Code : 2C2A2b2g
0 0.1 0.2 0.4 Kilometers
1:4000
N
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
25°48'30"N
25°48'0"N
25°47'30"N
25°47'0"N
Legend
Microwatershed Boundary
Field
Canal
Drain River
Kachha Road
Pucca Road

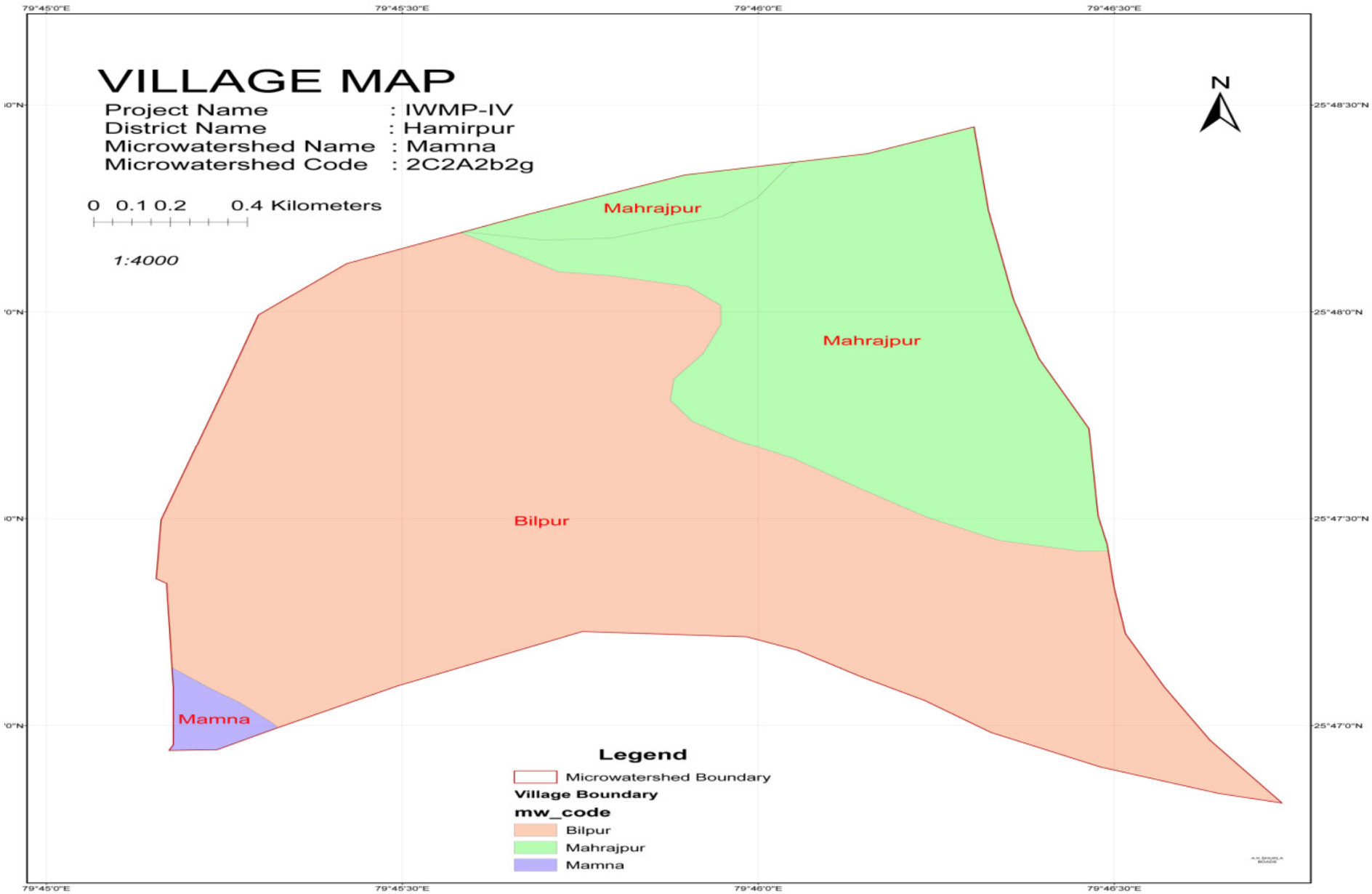

STANDARD FALSE COLOUR COMPOSITE (FCC)
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Mamna
Microwatershed Code : 2C2A2b2g
0 0.1 0.2 0.4 Kilometers
1:4000
N
Mahrajpur
Mahrajpur
Bilpur
Mamna
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain River
Kachha Road
Pucca Road
fcc
RGB
Red: Band_1
Green: Band_2
Blue: Band_3
Source - Landshet TM data of dec.2010
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
25°48'30"N
25°48'0"N
25°47'30"N
25°47'0"N

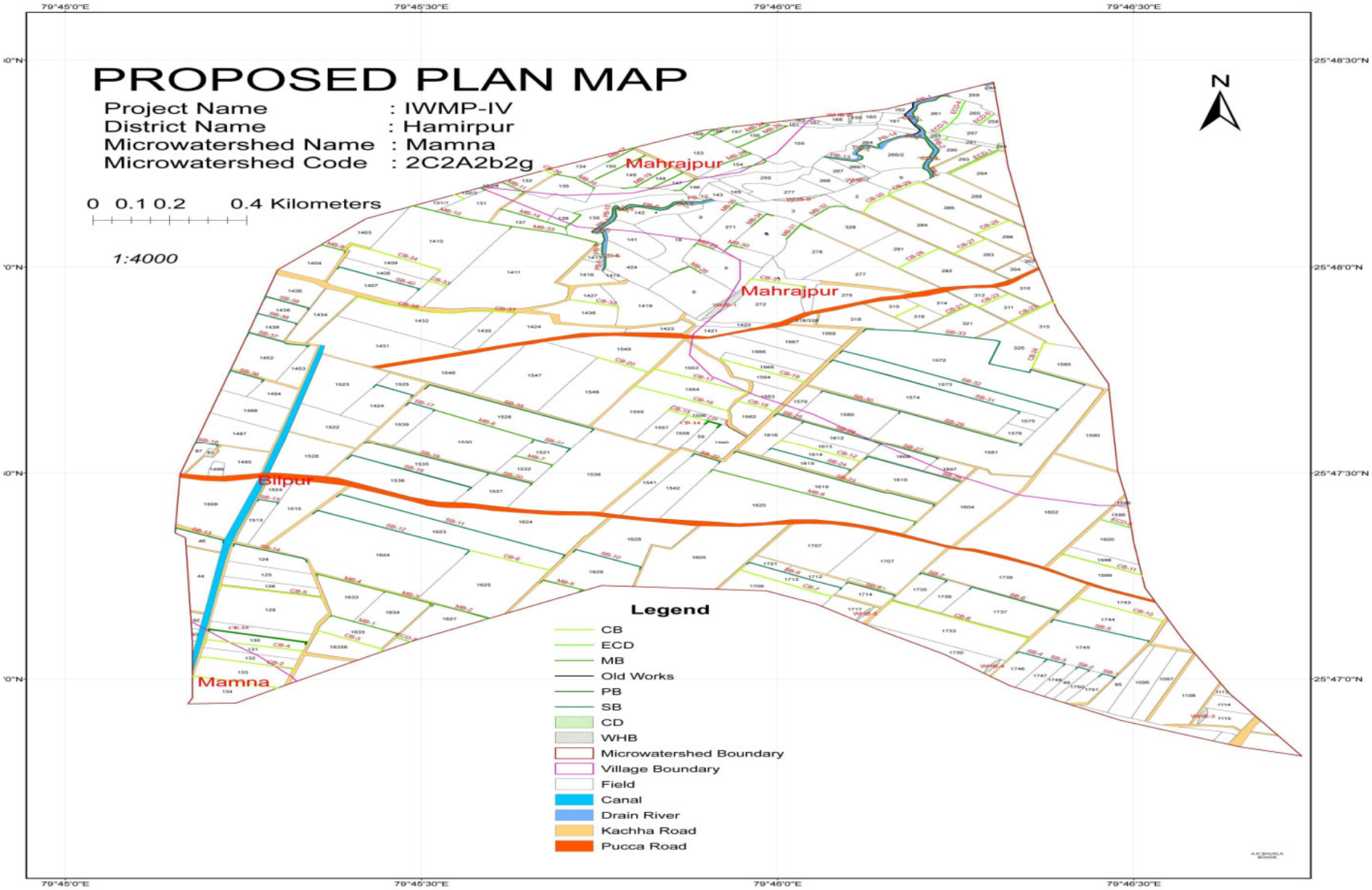

DIGITAL ELEVATION MODEL
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Mamna
Microwatershed Code : 2C2A2b2g
0 0.1 0.2 0.4 Kilometers
1:4000
N
Mahrajpur
Mahrajpur
Bilpur
Mamna
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain River
Kachha Road
Pucca Road
Value
High : 130
Low : 111
Source - ASTER DEM30m
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
25°48'30"N
25°48'0"N
25°47'30"N
25°47'0"N

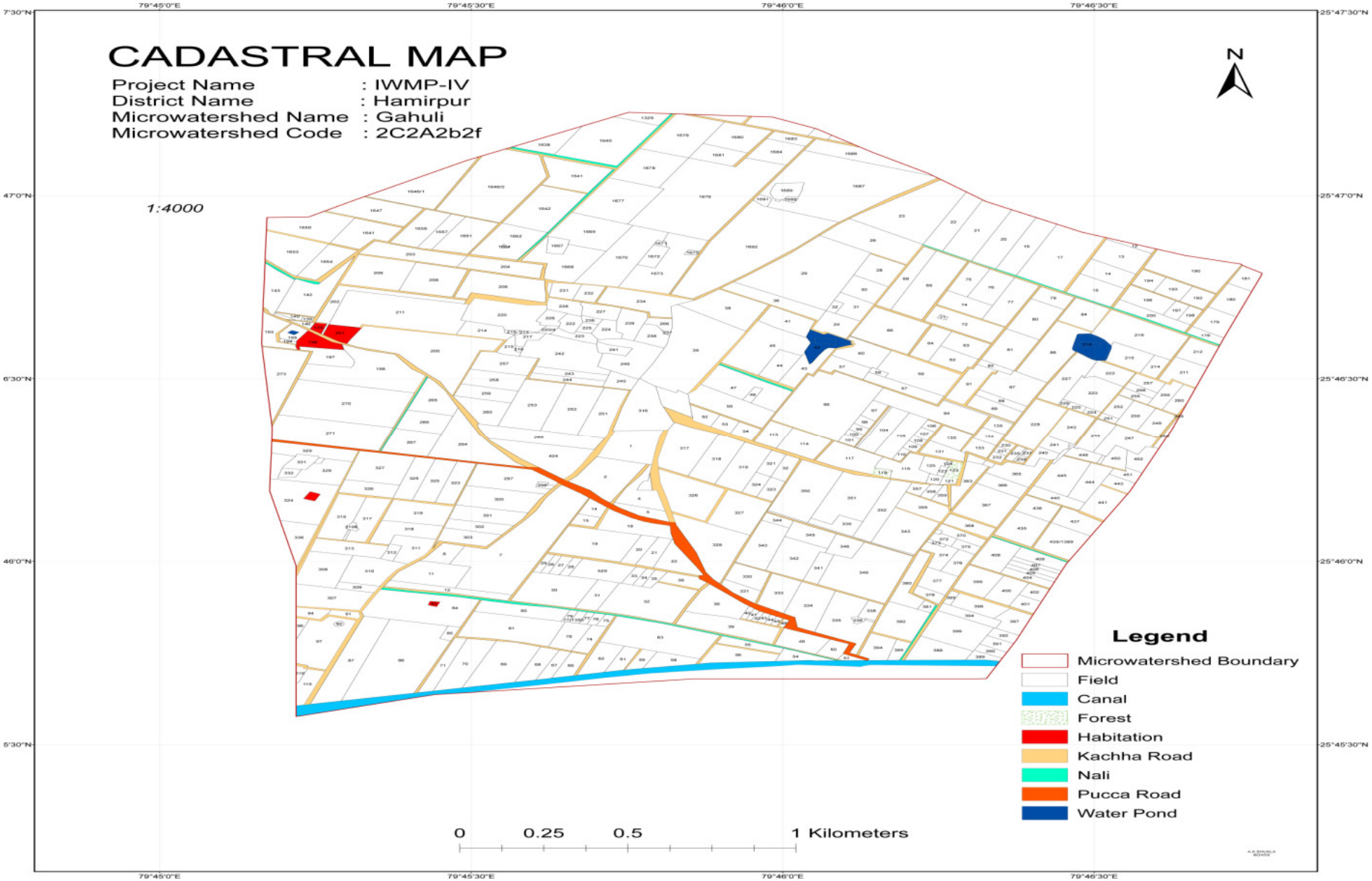

LANDUSE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Mamna
Microwatershed Code : 2C2A2b2g
0 0.1 0.2 0.4 Kilometers
1:4000
N
Mahrajpur
Mahrajpur
Bilpur
Mamna
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain River
Kachha Road
Pucca Road
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
25°48'30"N
25°48'0"N
25°47'30"N
25°47'0"N

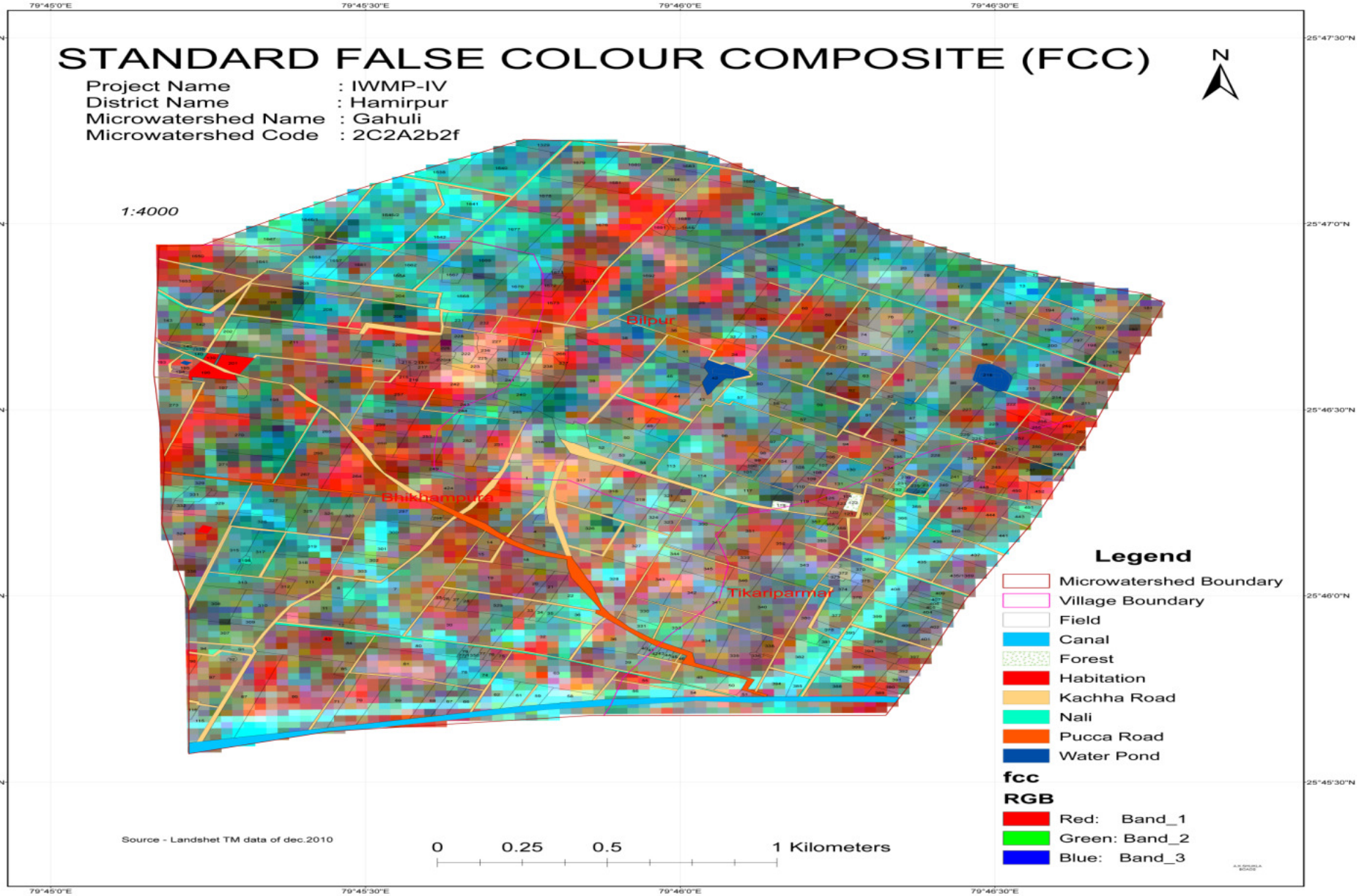

SLOPE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Mamna
Microwatershed Code : 2C2A2b2g
0 0.1 0.2 0.4 Kilometers
1:4000
N
Mahrajpur
Mahrajpur
Bilipur
Mamna
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Drain River
Kachha Road
Pucca Road
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
Derived from 30 m. ASTER DEM
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
25°48'30"N
25°48'0"N
25°47'30"N
25°47'0"N

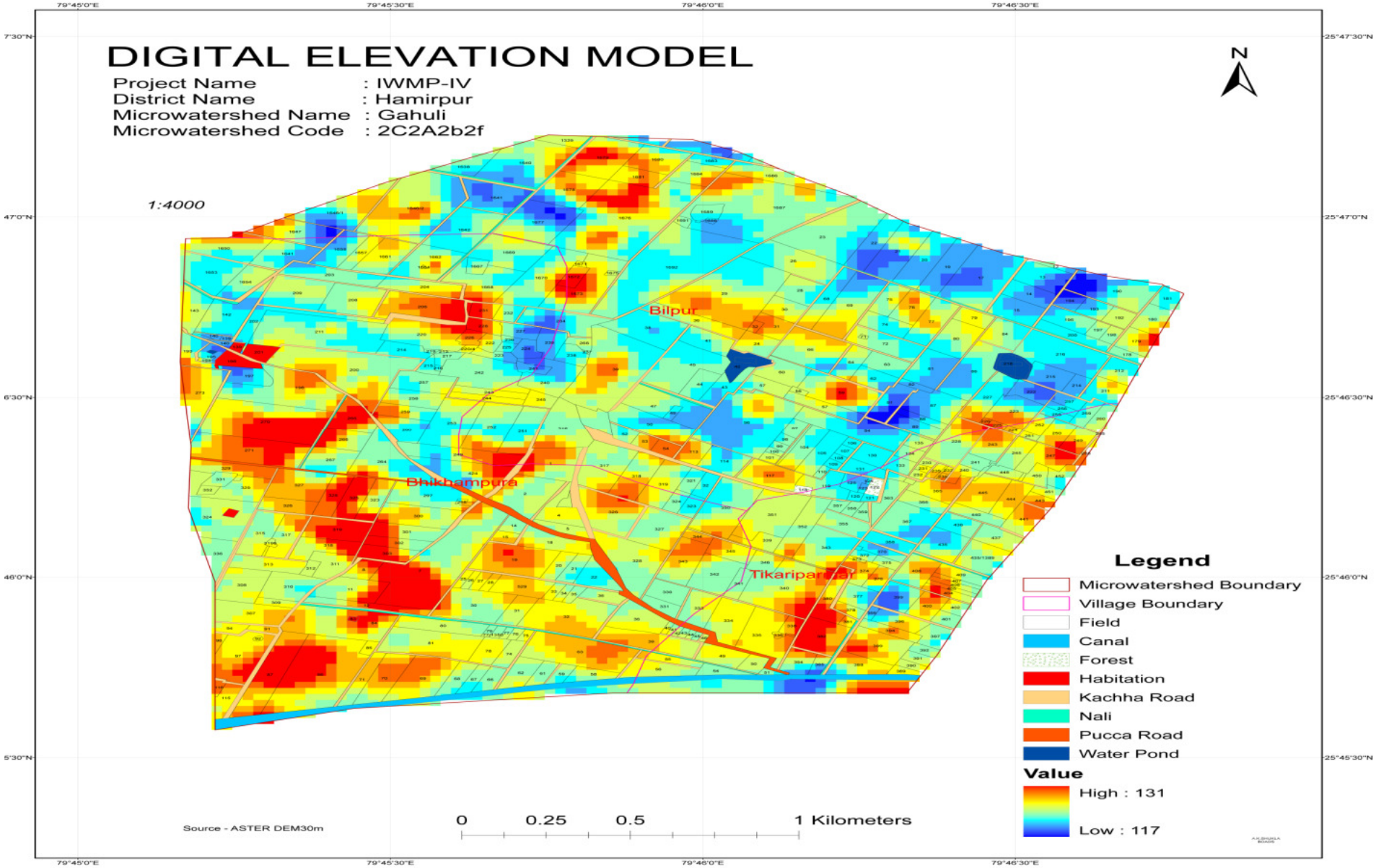

CONTOUR MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Mamna
Microwatershed Code : 2C2A2b2g
0 0.1 0.2 0.4 Kilometers
1:4000
N
Mahrajpur
Mahrajpur
Bilpur
Mamna
Legend
CONTOUR
115
120
125
130
Microwatershed Boundary
Village Boundary
Field
Canal
Drain River
Kachha Road
Pucca Road
Derived from 30 m. ASTER DEM
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
25°48'30"N
25°48'0"N
25°47'30"N
25°47'0"N

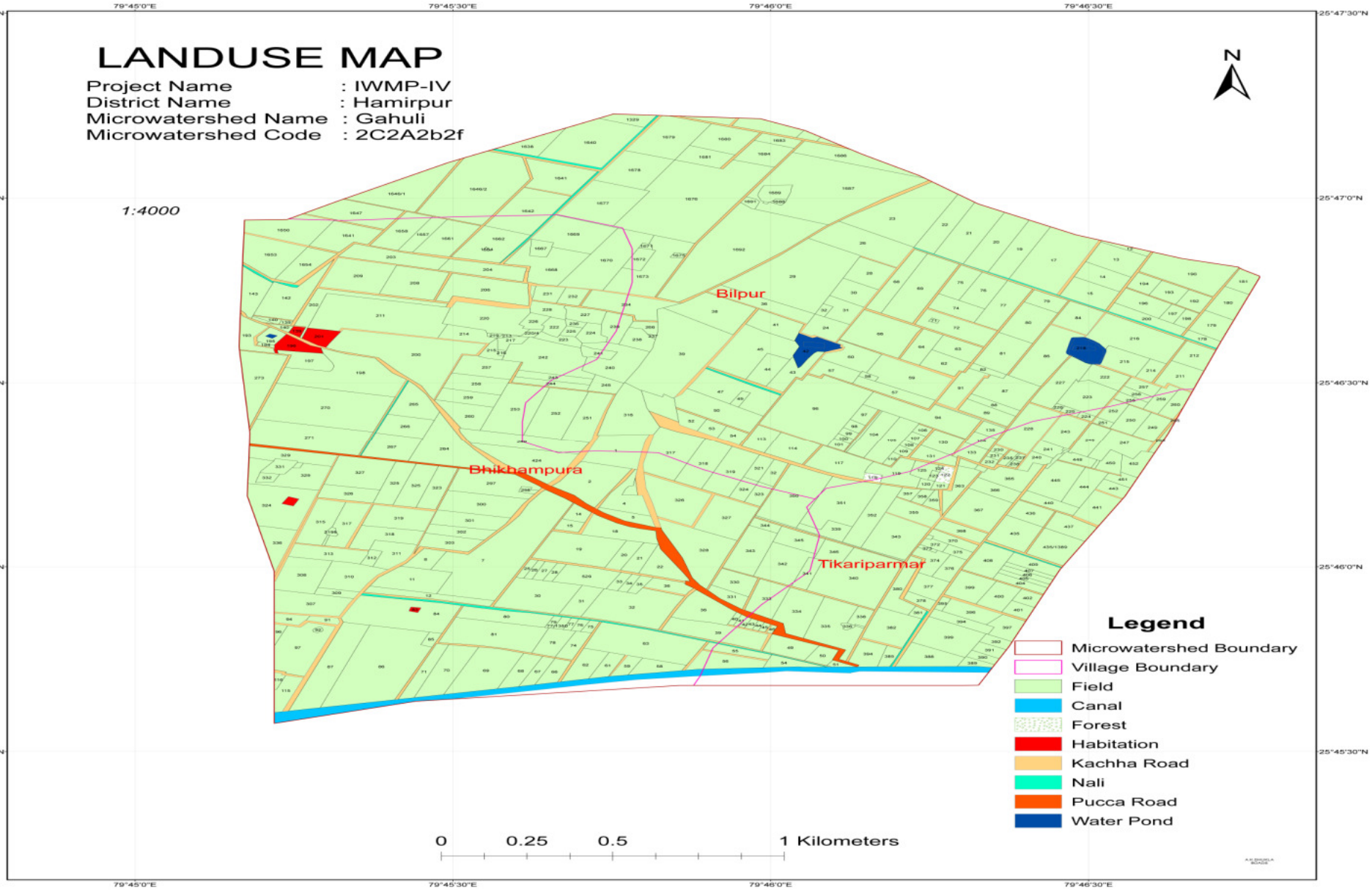

VILLAGE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Mamna
Microwatershed Code : 2C2A2b2g
0 0.1 0.2 0.4 Kilometers
1:4000
N
Mahrajpur
Mahrajpur
Bilpur
Mamna
Legend
Microwatershed Boundary
Village Boundary
mw_code
Bilpur
Mahrajpur
Mamna
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
25°48'30"N
25°48'0"N
25°47'30"N
25°47'0"N

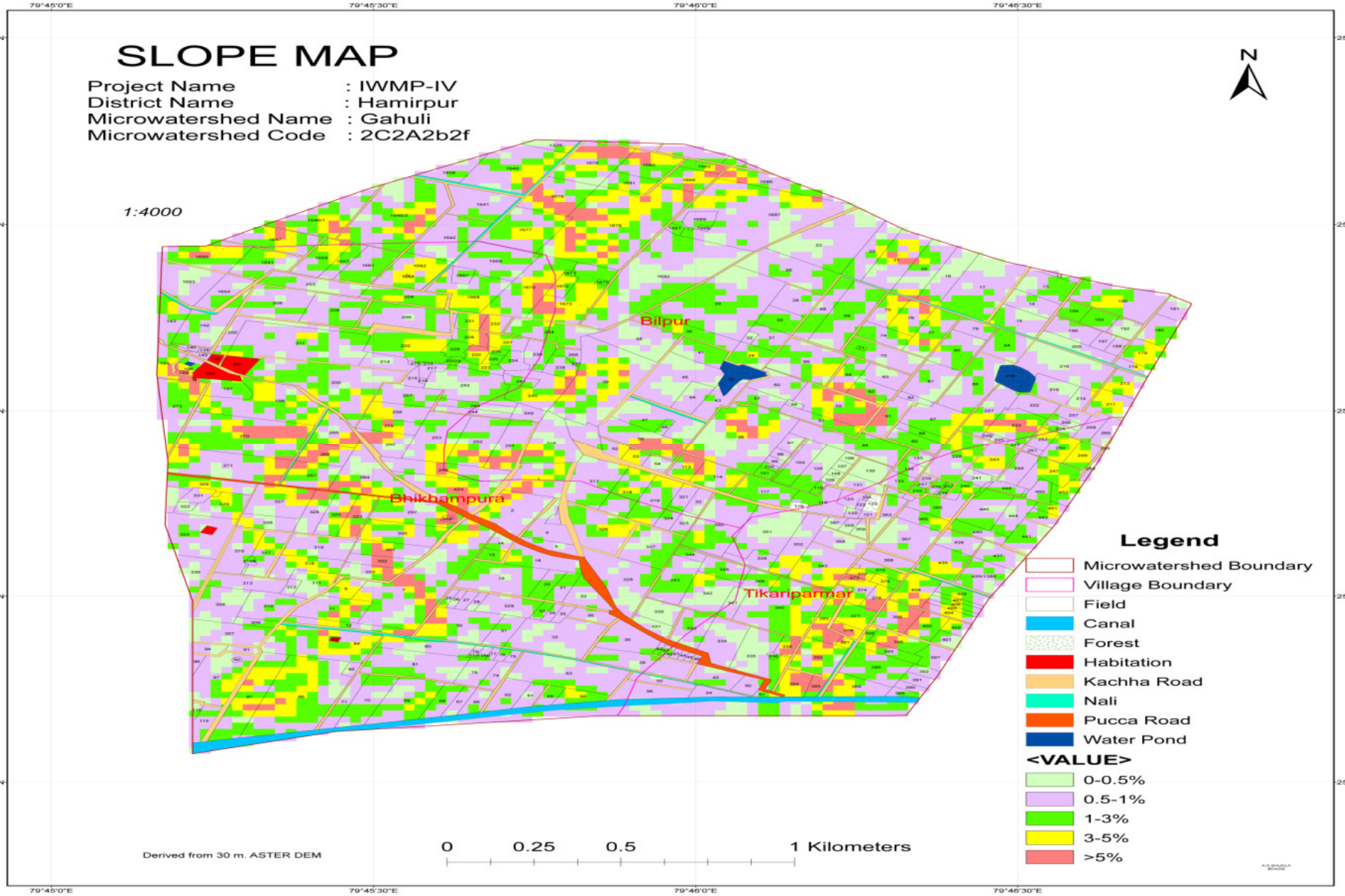

PROPOSED PLAN MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Mamna
Microwatershed Code : 2C2A2b2g
0 0.1 0.2 0.4 Kilometers
1:4000
N
Mahrajpur
Mahrajpur
Bilpur
Mamna
Legend
CB
ECD
MB
Old Works
PB
SB
CD
WHB
Microwatershed Boundary
Village Boundary
Field
Canal
Drain River
Kachha Road
Pucca Road
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
25°48'30"N
25°48'0"N
25°47'30"N
25°47'0"N

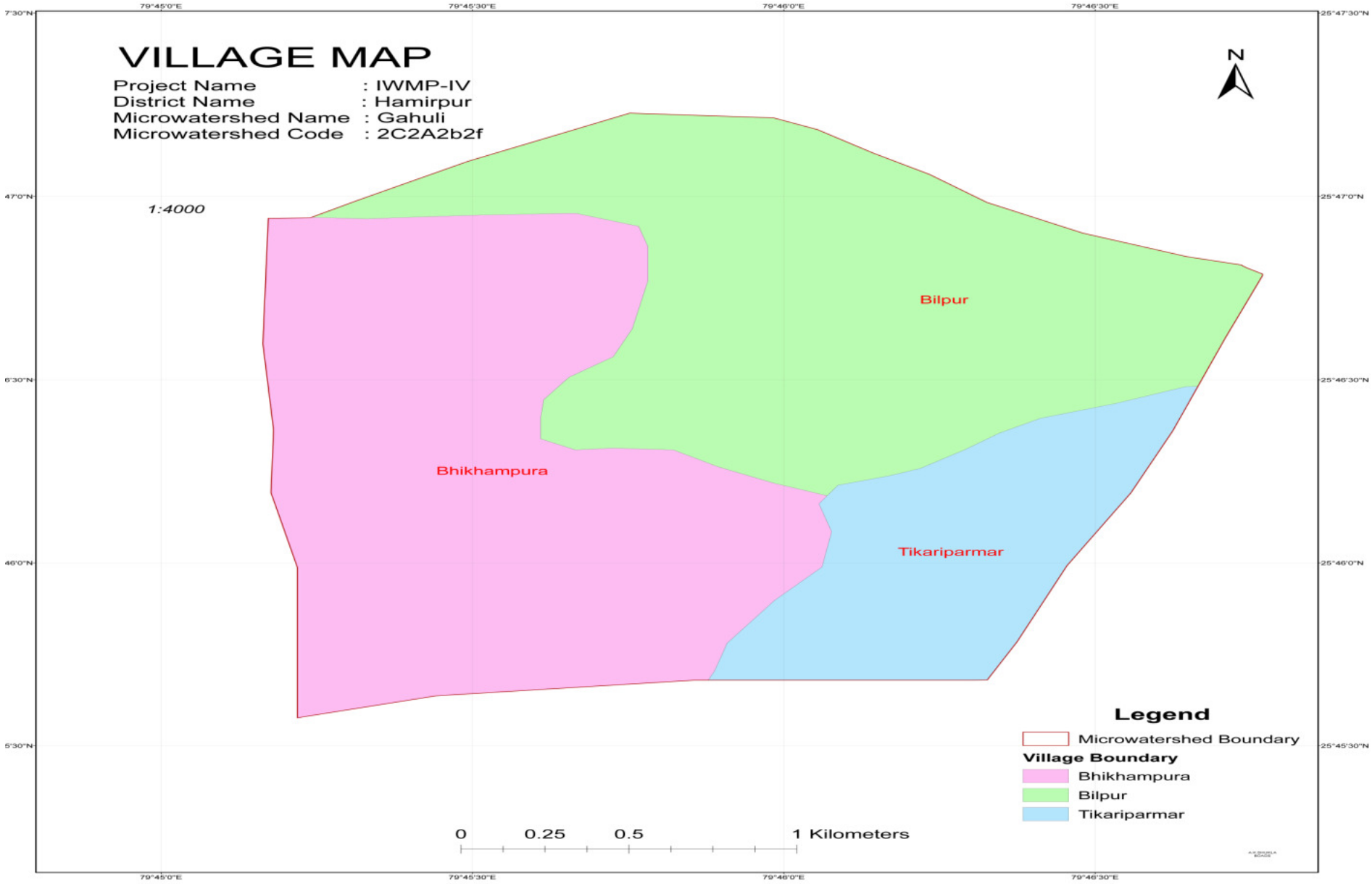

CADASTRAL MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Gahuli
Microwatershed Code : 2C2A2b2f
1:4000
N
Legend
Microwatershed Boundary
Field
Canal
Forest
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
0 0.25 0.5 1 Kilometers
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
7°30"N
47'0"N
6'30"N
46'0"N
5'30"N
25°47'30"N
25°47'0"N
25°46'30"N
25°46'0"N
25°45'30"N

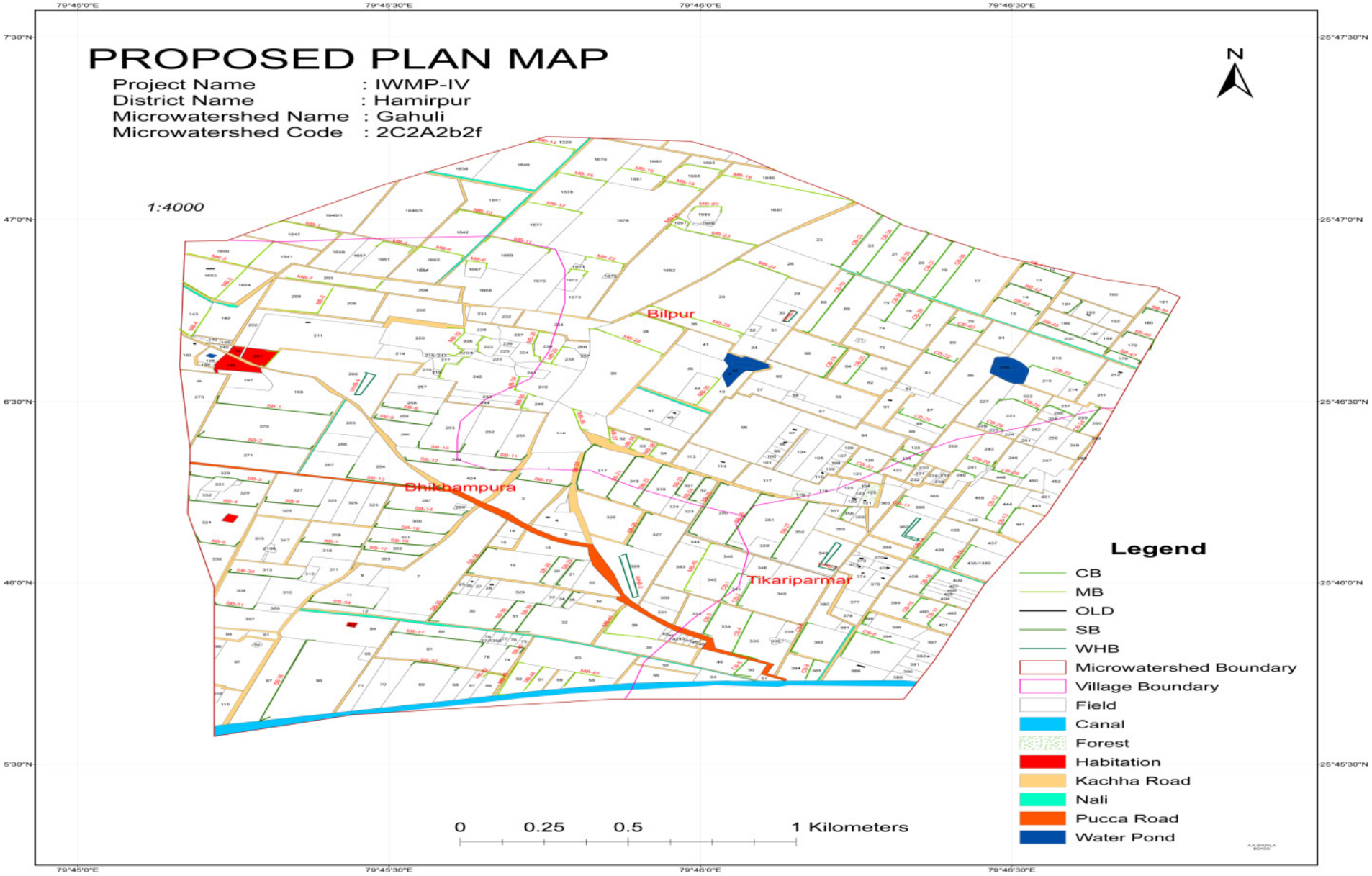

STANDARD FALSE COLOUR COMPOSITE (FCC)
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Gahuli
Microwatershed Code : 2C2A2b2f
1:4000
N
Bilpur
Bhikhampura
Tikariparmal
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Forest
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
fcc
RGB
Red: Band_1
Green: Band_2
Blue: Band_3
Source - Landshet TM data of dec.2010
0 0.25 0.5 1 Kilometers
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
7'30"N
47'0"N
6'30"N
46'0"N
5'30"N
25°47'30"N
25°47'0"N
25°46'30"N
25°46'0"N
25°45'30"N

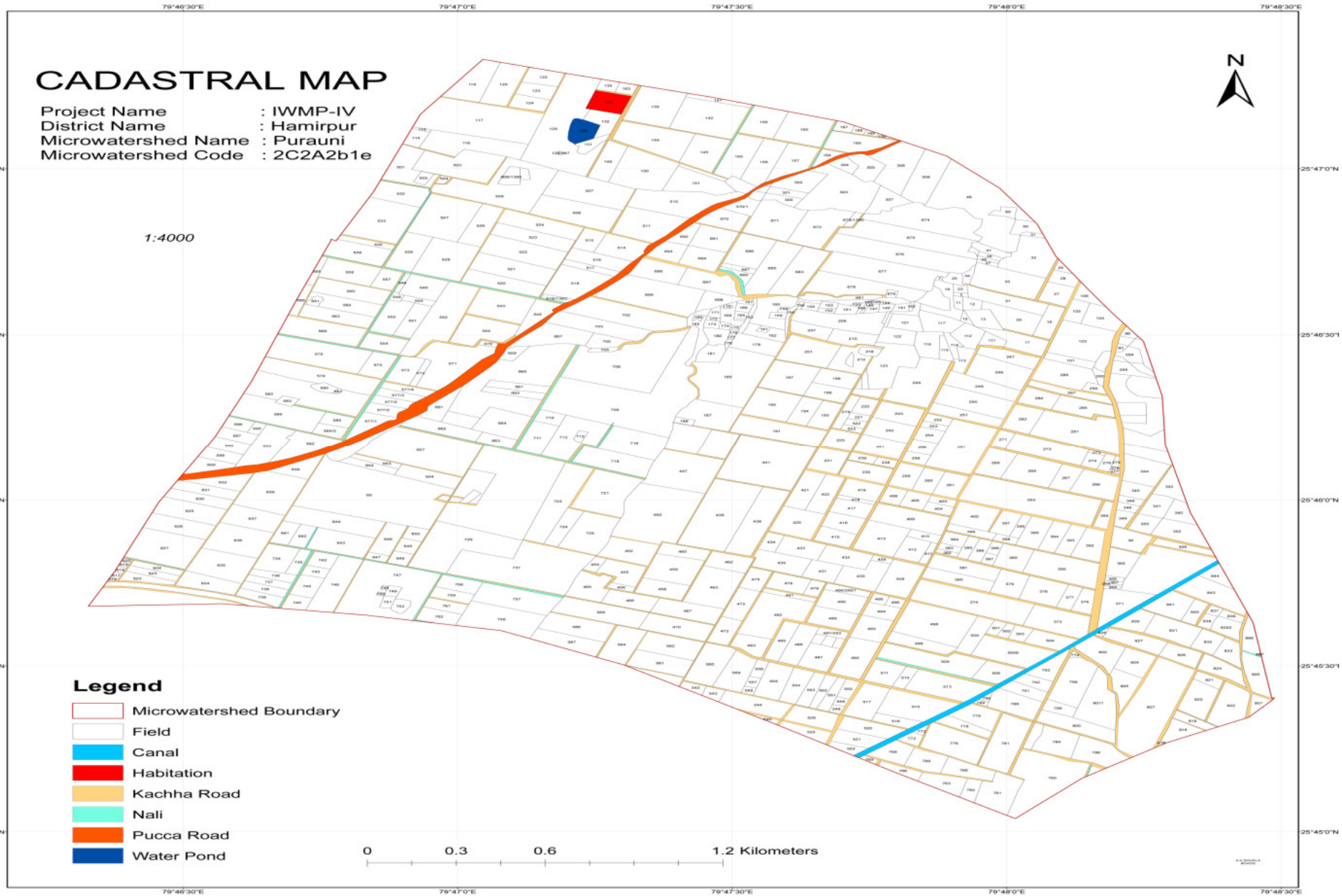

DIGITAL ELEVATION MODEL
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Gahuli
Microwatershed Code : 2C2A2b2f
1:4000
N
Bilpur
Bhikhampura
Tikariparwar
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Forest
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
Value
High : 131
Low : 117
Source - ASTER DEM30m
0 0.25 0.5 1 Kilometers
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
7°30"N
47°0"N
6°30"N
46°0"N
5°30"N
25°47'30"N
25°47'0"N
25°46'30"N
25°46'0"N
25°45'30"N

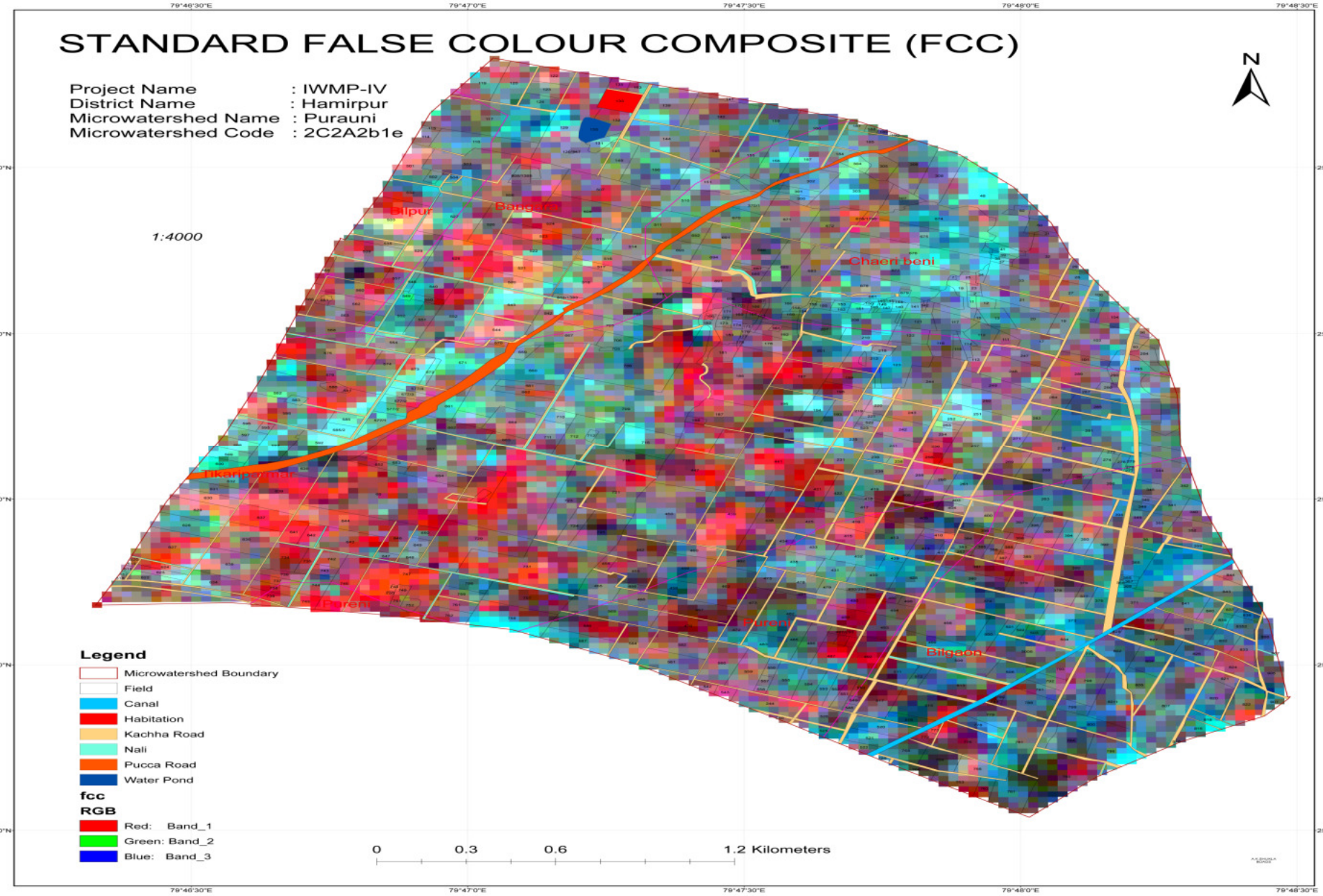

LANDUSE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Gahuli
Microwatershed Code : 2C2A2b2f
1:4000
N
Bilpur
Bhikhampura
Tikariparmar
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Forest
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
0 0.25 0.5 1 Kilometers
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
7'30"N
47'0"N
6'30"N
46'0"N
5'30"N
25°47'30"N
25°47'0"N
25°46'30"N
25°46'0"N
25°45'30"N

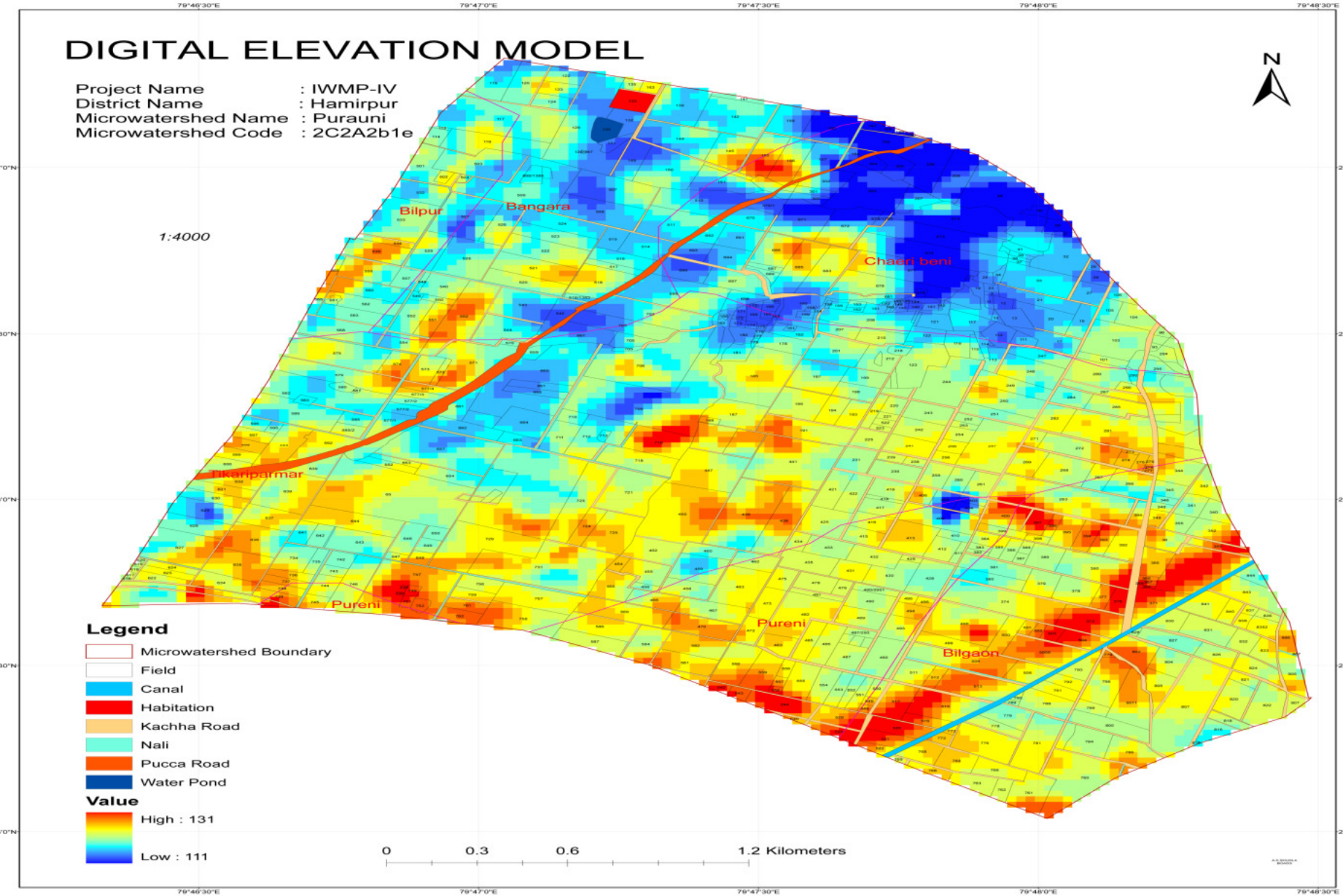

SLOPE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Gahuli
Microwatershed Code : 2C2A2b2f
1:4000
N
Bilpur
Bhikhampura
Tikaripamar
Legend
Microwatershed Boundary
Village Boundary
Field
Canal
Forest
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
Derived from 30 m. ASTER DEM
0 0.25 0.5 1 Kilometers
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
7'30"N
47'0"N
6'30"N
46'0"N
5'30"N
25°47'30"N
25°47'0"N
25°46'30"N
25°46'0"N
25°45'30"N

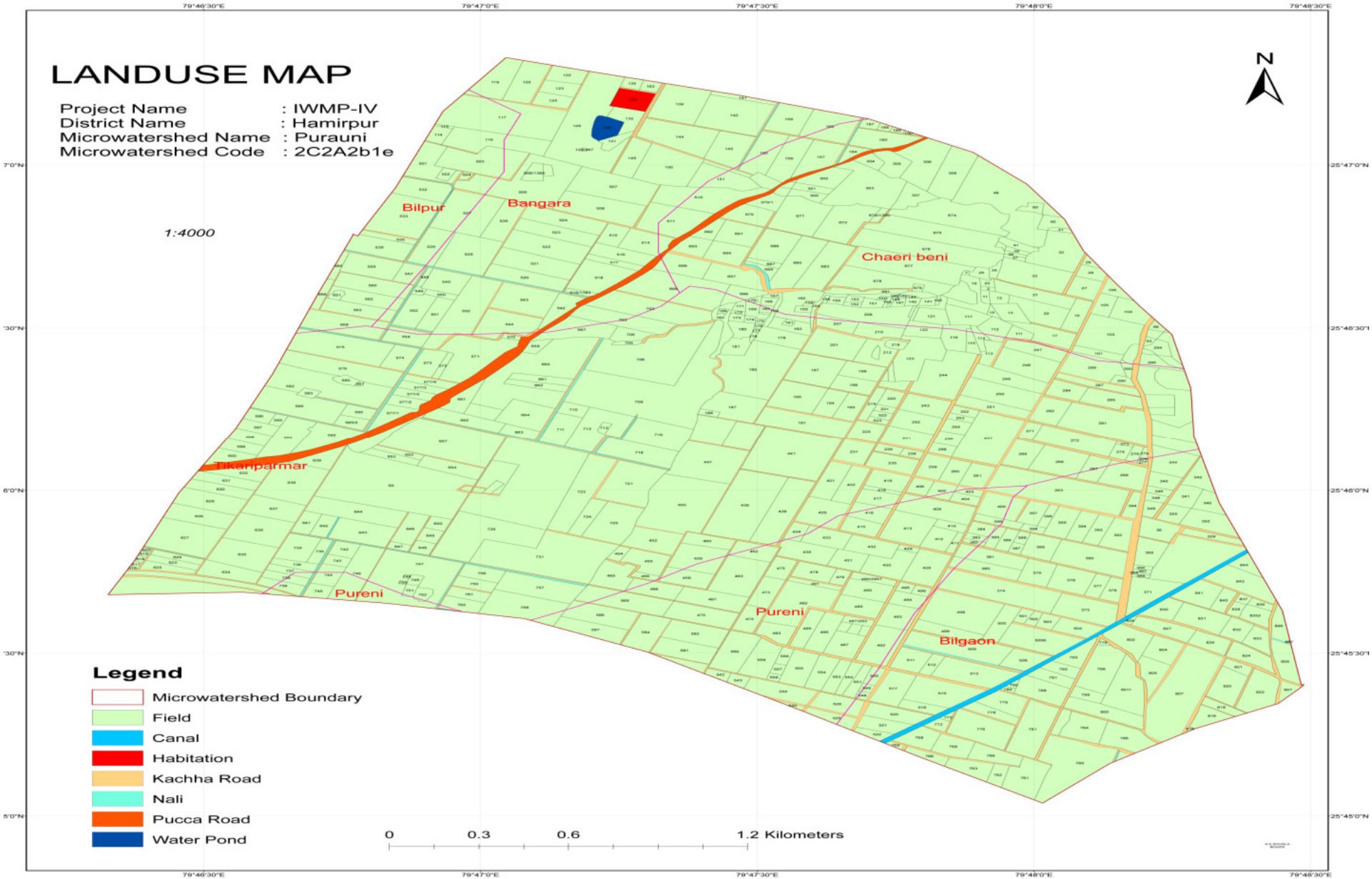

VILLAGE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Gahuli
Microwatershed Code : 2C2A2b2f
1:4000
N
Bilpur
Bhikhampura
Tikariparmar
Legend
Microwatershed Boundary
Village Boundary
Bhikhampura
Bilpur
Tikariparmar
0 0.25 0.5 1 Kilometers
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
7'30"N
47'0"N
6'30"N
46'0"N
5'30"N
25°47'30"N
25°47'0"N
25°46'30"N
25°46'0"N
25°45'30"N

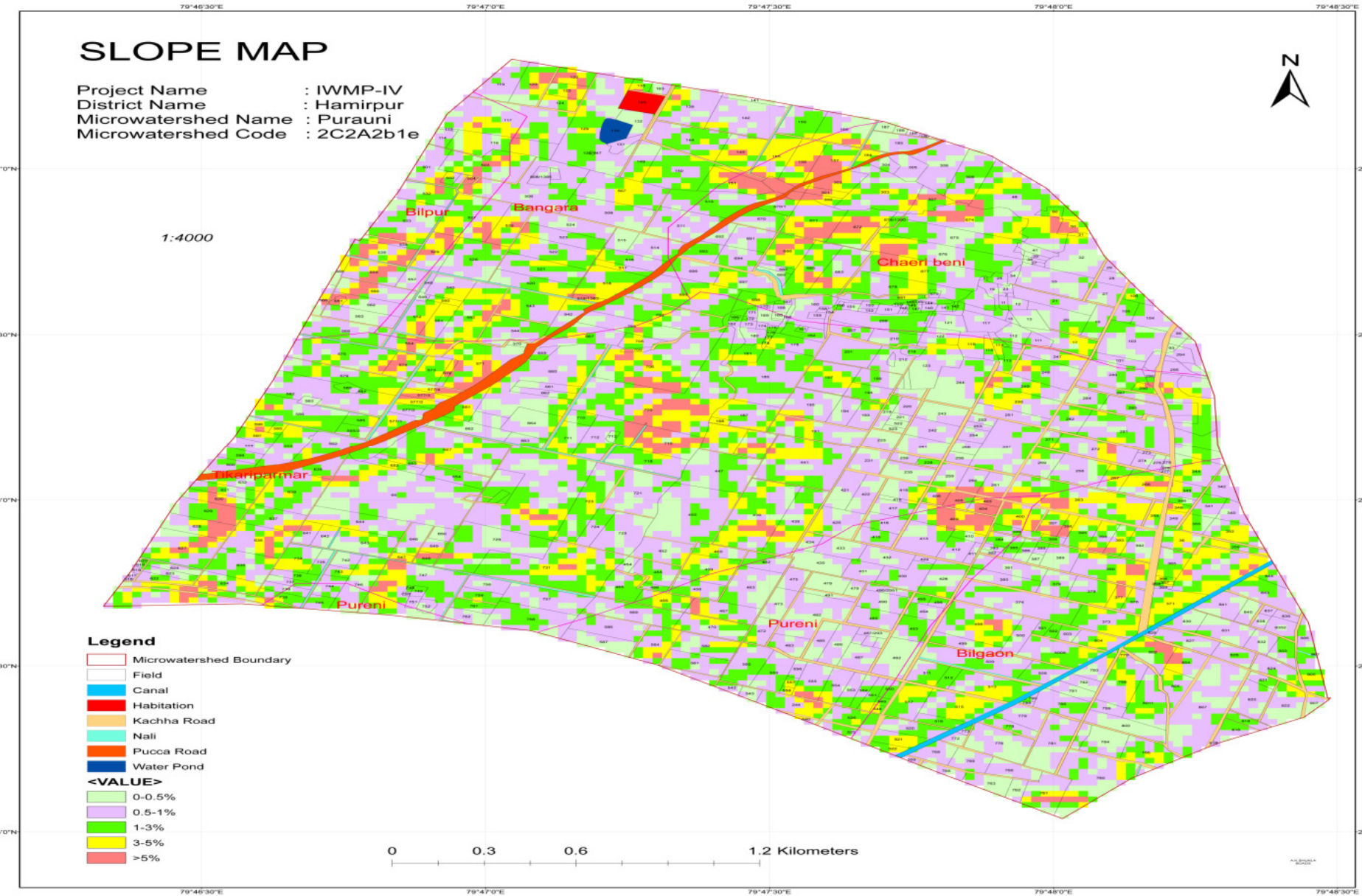

PROPOSED PLAN MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Gahuli
Microwatershed Code : 2C2A2b2f
1:4000
N
Bilpur
Bhikhampura
Tikariparmar
Legend
CB
MB
OLD
SB
WHB
Microwatershed Boundary
Village Boundary
Field
Canal
Forest
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
0 0.25 0.5 1 Kilometers
79°45'0"E
79°45'30"E
79°46'0"E
79°46'30"E
25°47'30"N
25°47'0"N
25°46'30"N
25°46'0"N
25°45'30"N

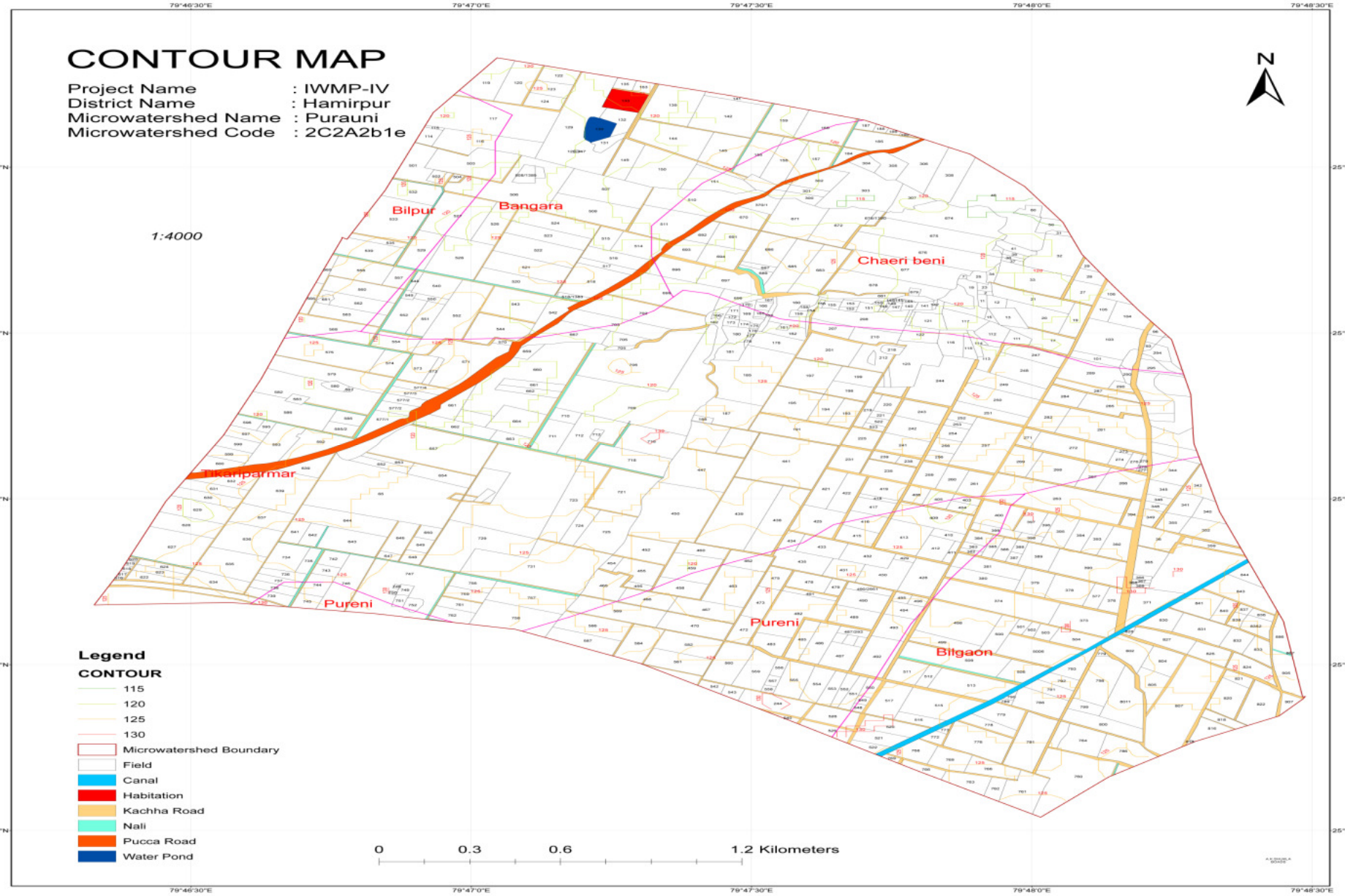

CADASTRAL MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Purauni
Microwatershed Code : 2C2A2b1e
1:4000
N
Legend
Microwatershed Boundary
Field
Canal
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
0 0.3 0.6 1.2 Kilometers
79°46'30"E
79°47'0"E
79°47'30"E
79°48'0"E
79°48'30"E
25°47'0"N
25°46'30"N
25°46'0"N
25°45'30"N
25°45'0"N

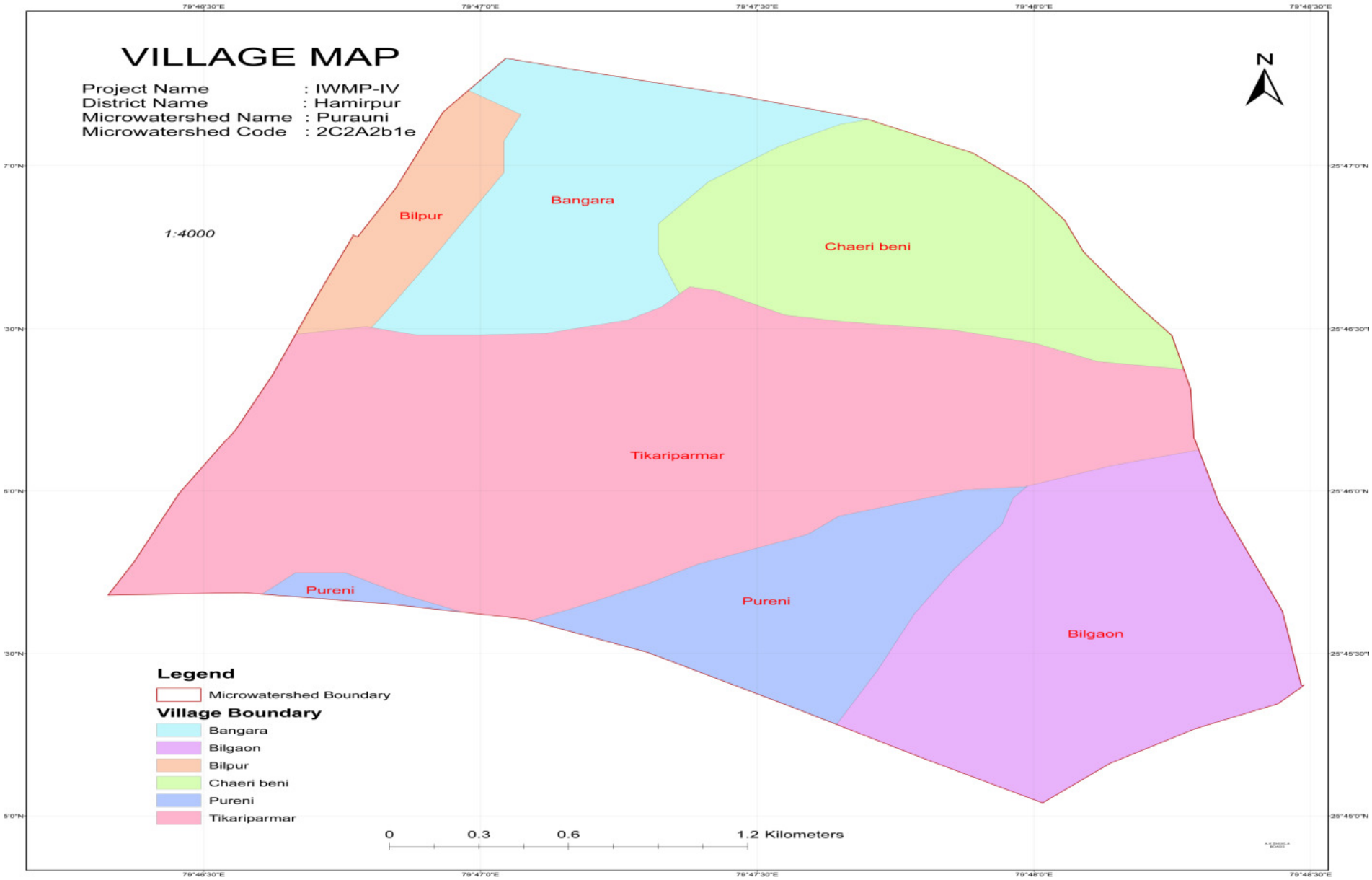

STANDARD FALSE COLOUR COMPOSITE (FCC)
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Purauni
Microwatershed Code : 2C2A2b1e
1:4000
N
Bilpur
Chaeri beni
Tikariparmar
Purauni
Bilgaon
Legend
Microwatershed Boundary
Field
Canal
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
fcc
RGB
Red: Band_1
Green: Band_2
Blue: Band_3
0
0.3
0.6
1.2 Kilometers
79°46'30"E
79°47'0"E
79°47'30"E
79°48'0"E
79°48'30"E
25°47'0"N
25°46'30"N
25°46'0"N
25°45'30"N
25°45'0"N

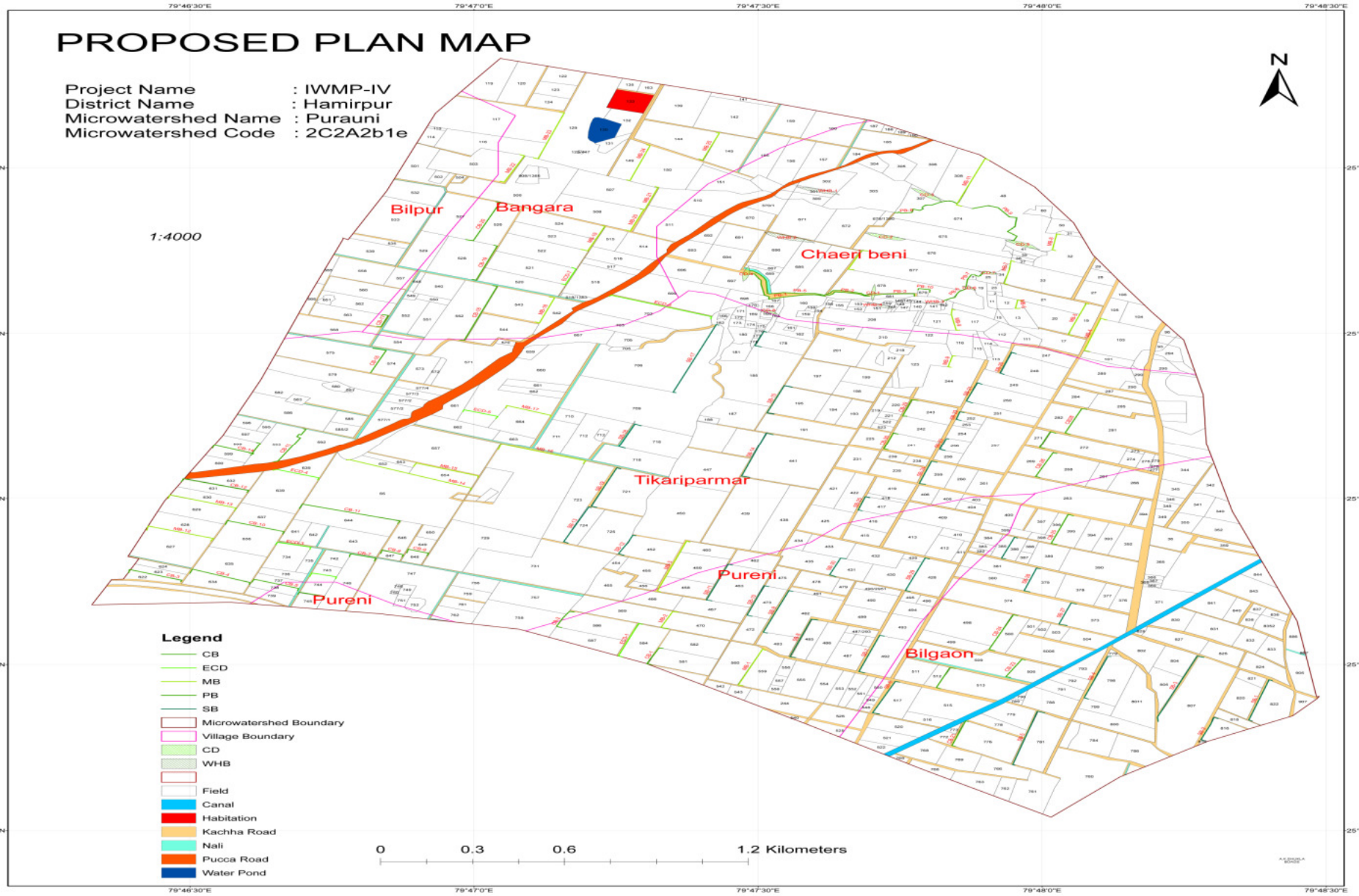

DIGITAL ELEVATION MODEL
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Purauni
Microwatershed Code : 2C2A2b1e
1:4000
N
Bilpur
Bangara
Chaori beni
Tikariparmar
Pureni
Pureni
Bilgaon
Legend
Microwatershed Boundary
Field
Canal
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
Value
High : 131
Low : 111
0
0.3
0.6
1.2 Kilometers

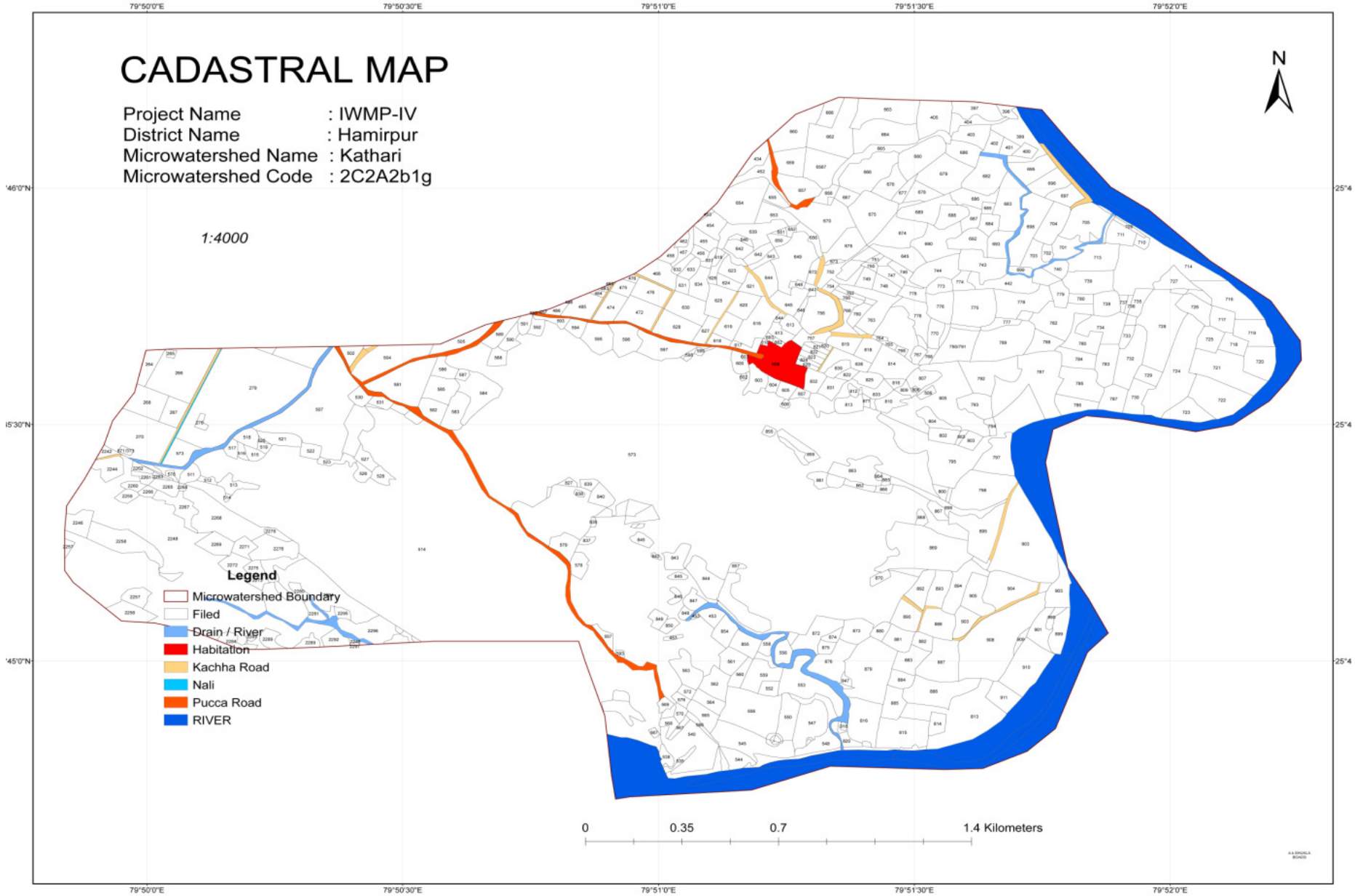

LANDUSE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Purauni
Microwatershed Code : 2C2A2b1e
1:4000
N
Bilpur
Bangara
Chaeri beni
Tikariparmar
Pureni
Pureni
Bilgaon
Legend
Microwatershed Boundary
Field
Canal
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
0
0.3
0.6
1.2 Kilometers

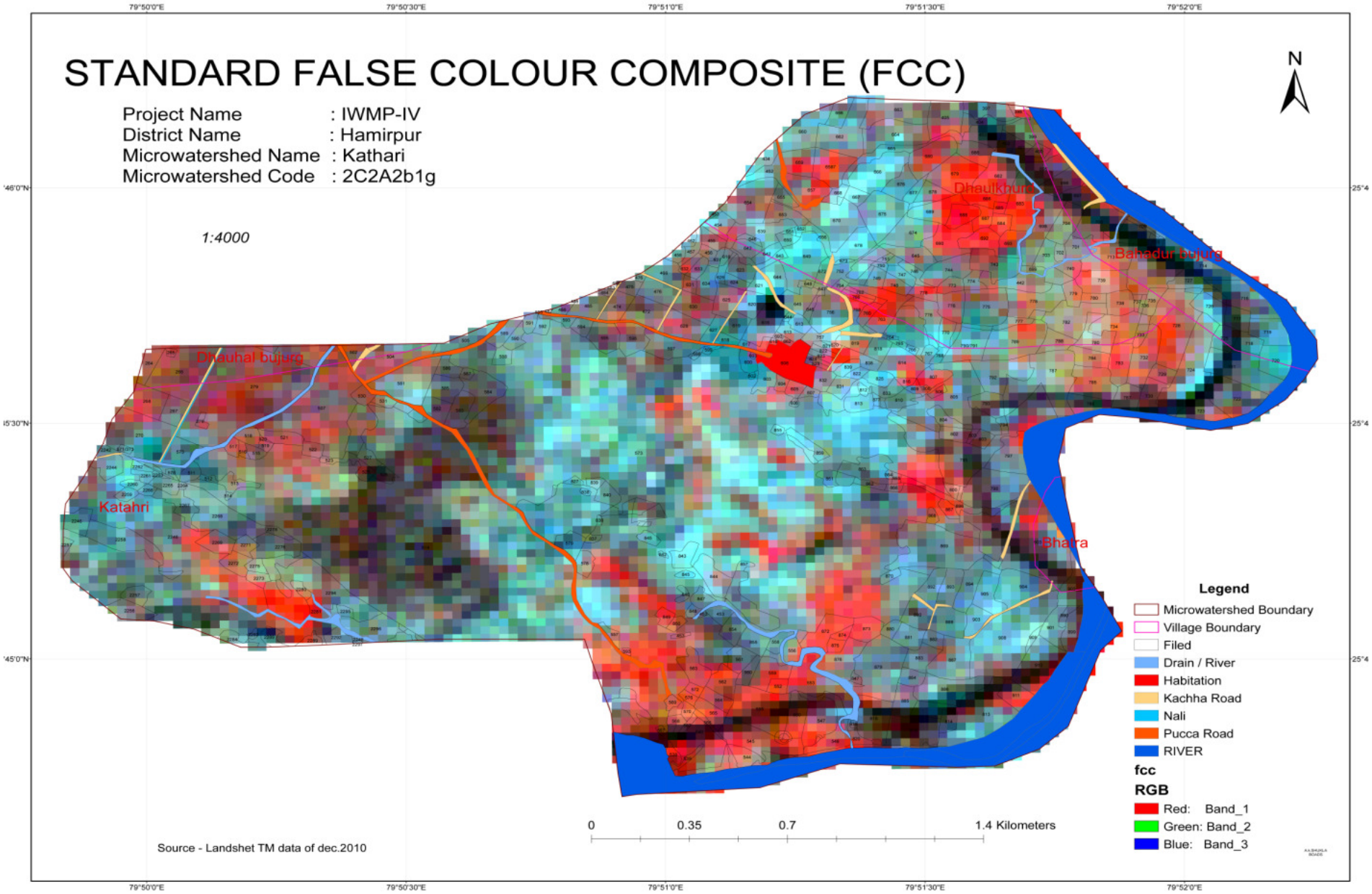

SLOPE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Purauni
Microwatershed Code : 2C2A2b1e
1:4000
N
Bilpur
Bangara
Chaeri beni
Ukanparmar
Pureni
Pureni
Bilgaon
Legend
Microwatershed Boundary
Field
Canal
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
0
0.3
0.6
1.2 Kilometers

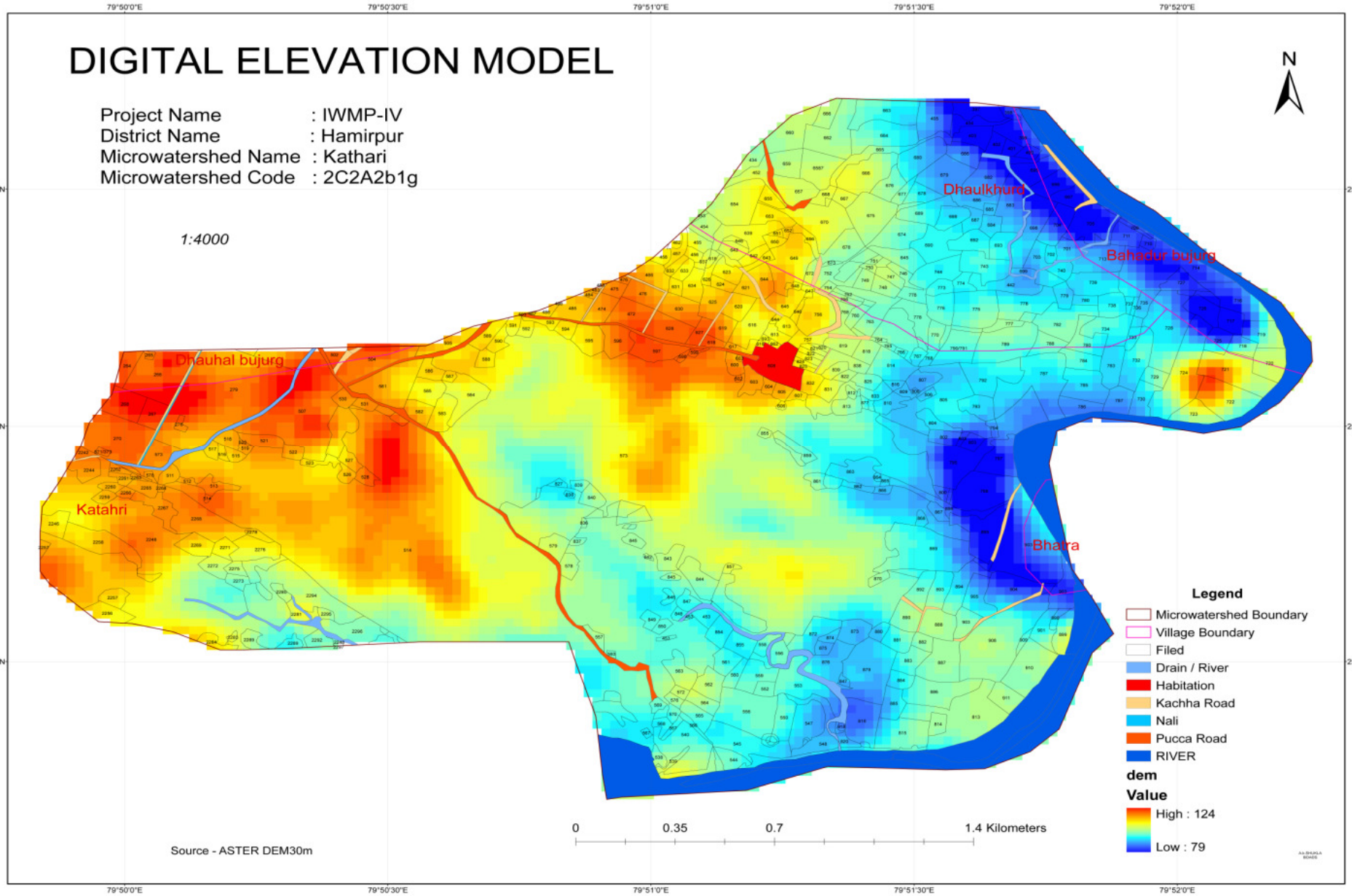

CONTOUR MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Purauni
Microwatershed Code : 2C2A2b1e
1:4000
N
Bilpur
Bangara
Chaeri beni
Tikanpatmar
Pureni
Pureni
Bilgaon
Legend
CONTOUR
115
120
125
130
Microwatershed Boundary
Field
Canal
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
0
0.3
0.6
1.2 Kilometers

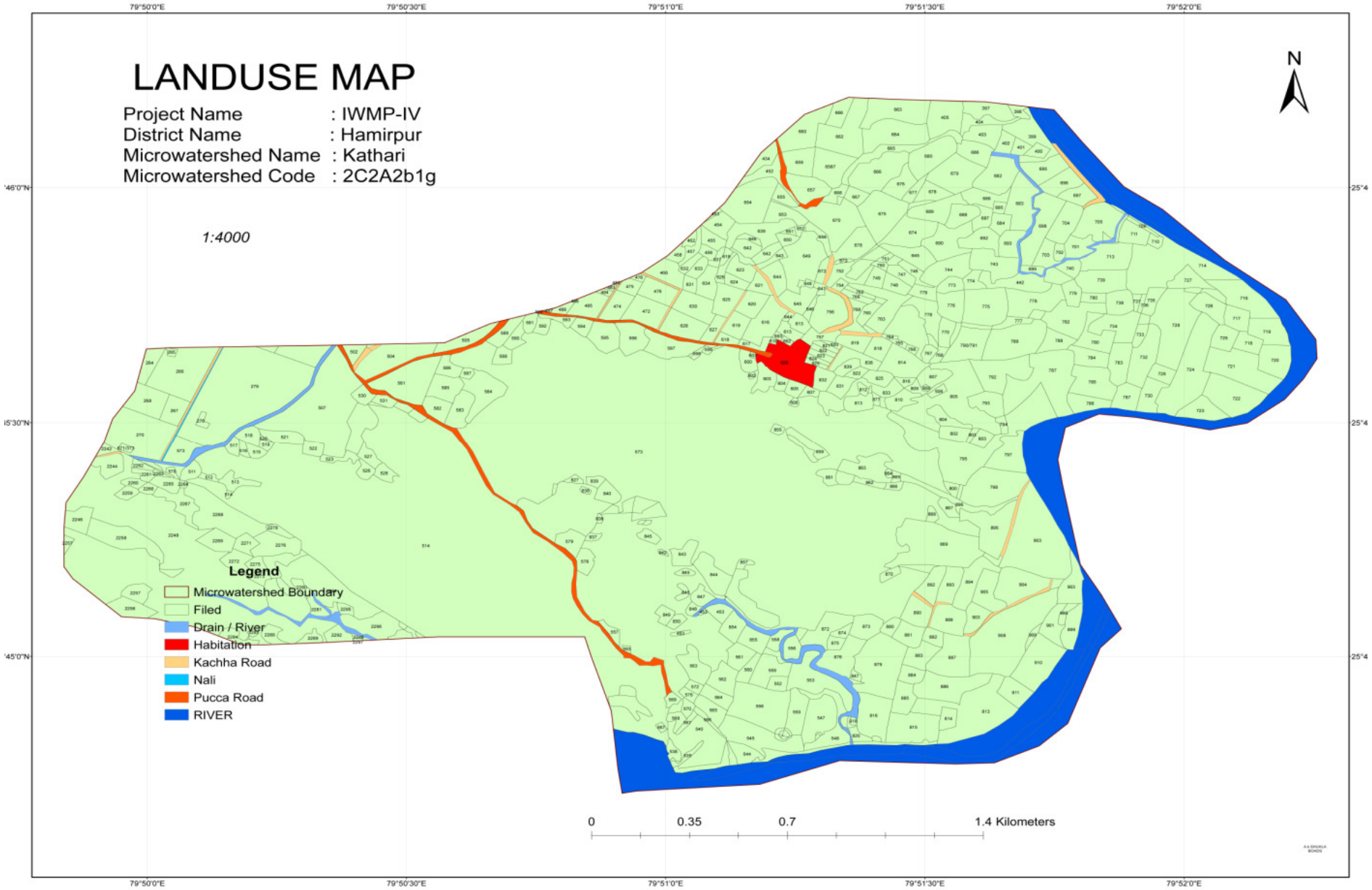

VILLAGE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Purauni
Microwatershed Code : 2C2A2b1e
1:4000
N
Bilpur
Bangara
Chaeri beni
Tikariparmar
Pureni
Pureni
Bilgaon
Legend
Microwatershed Boundary
Village Boundary
Bangara
Bilgaon
Bilpur
Chaeri beni
Pureni
Tikariparmar
0 0.3 0.6 1.2 Kilometers

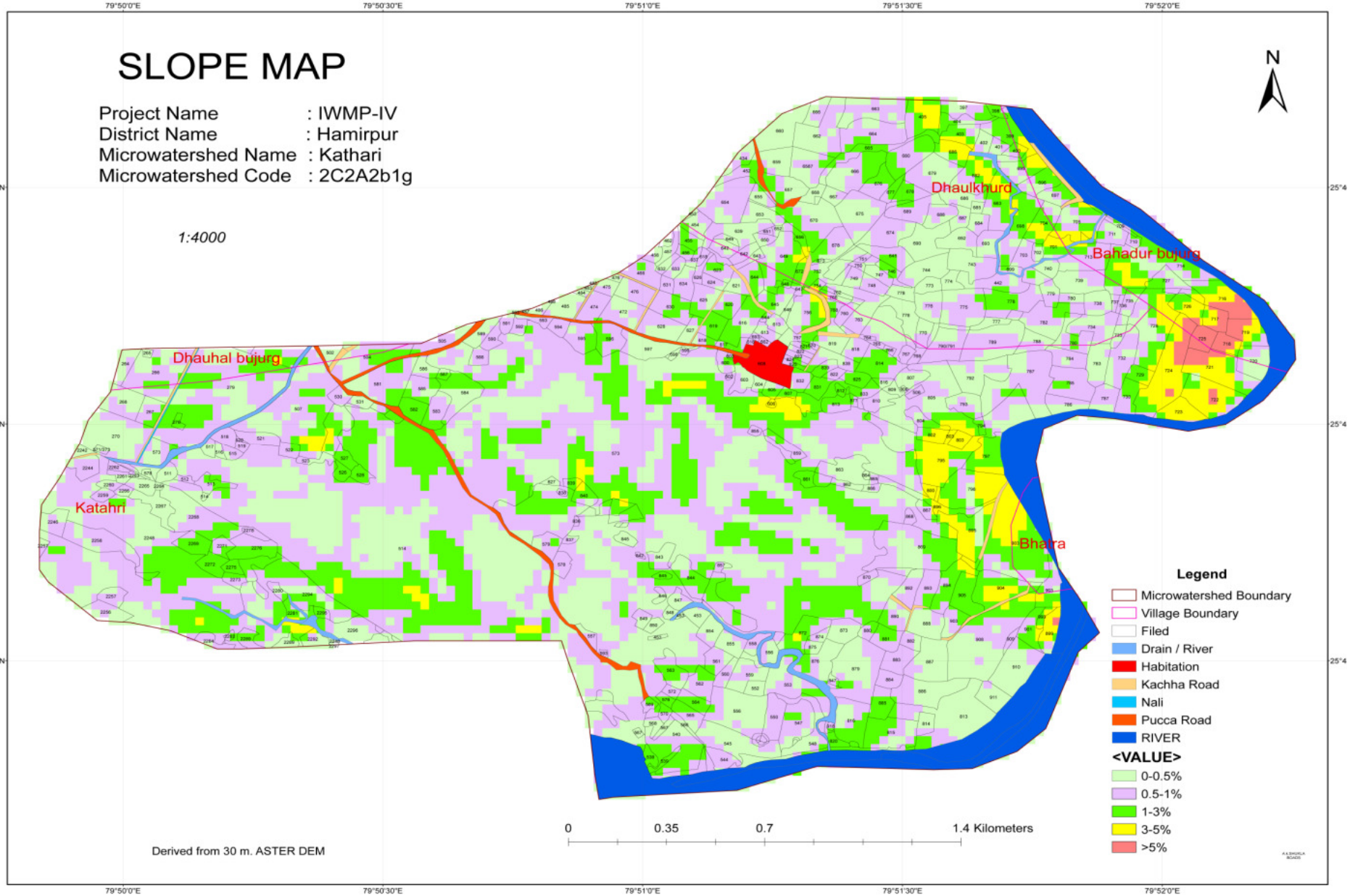

PROPOSED PLAN MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Purauni
Microwatershed Code : 2C2A2b1e
1:4000
N
Bilpur
Bangara
Chaeri beni
Tikariparmar
Pureni
Pureni
Bilgaon
Legend
CB
ECD
MB
PB
SB
Microwatershed Boundary
Village Boundary
CD
WHB
Field
Canal
Habitation
Kachha Road
Nali
Pucca Road
Water Pond
0
0.3
0.6
1.2 Kilometers

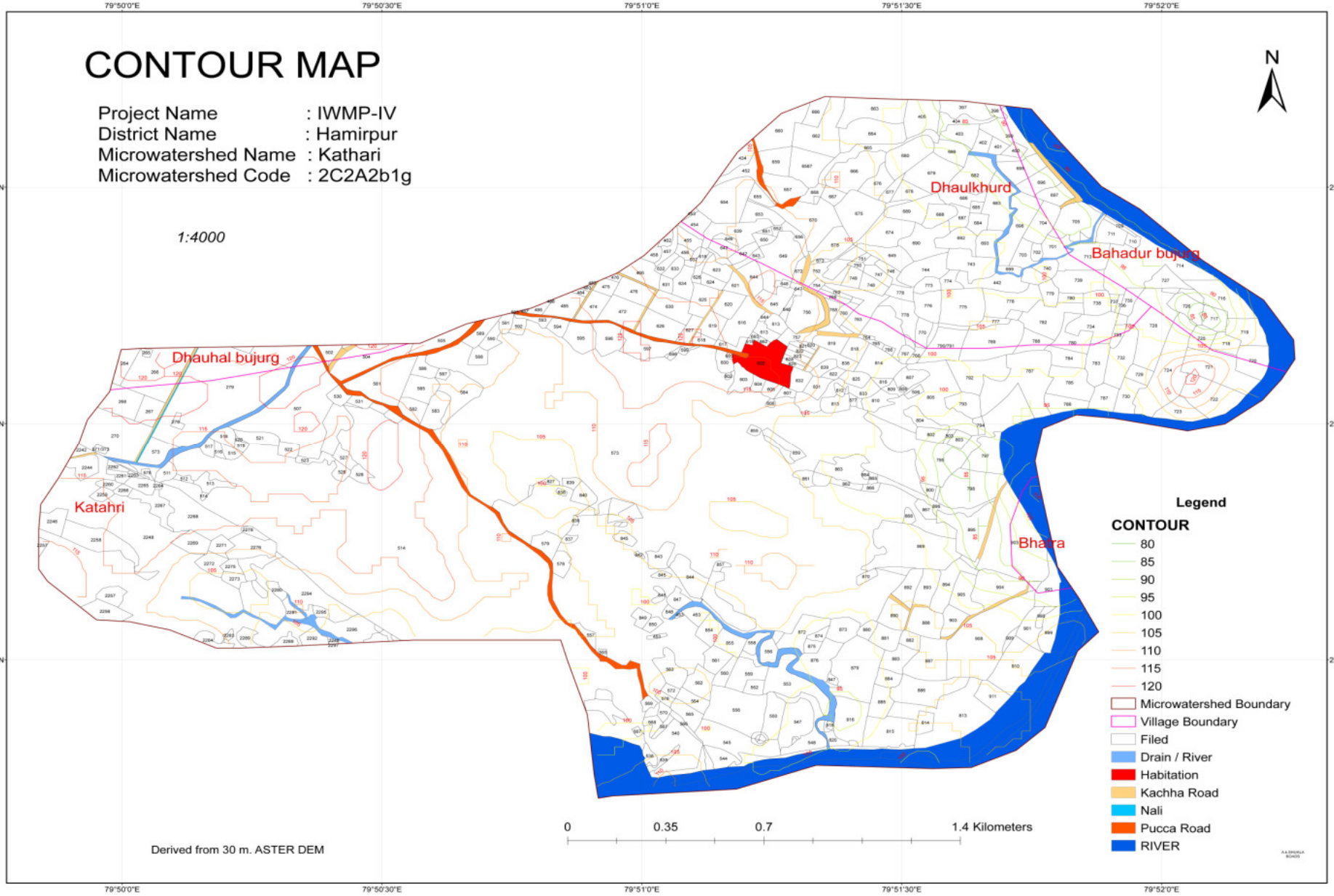

CADASTRAL MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Kathari
Microwatershed Code : 2C2A2b1g
1:4000
N
Legend
Microwatershed Boundary
Filed
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
RIVER
0
0.35
0.7
1.4 Kilometers
79°50'0"E
79°50'30"E
79°51'0"E
79°51'30"E
79°52'0"E

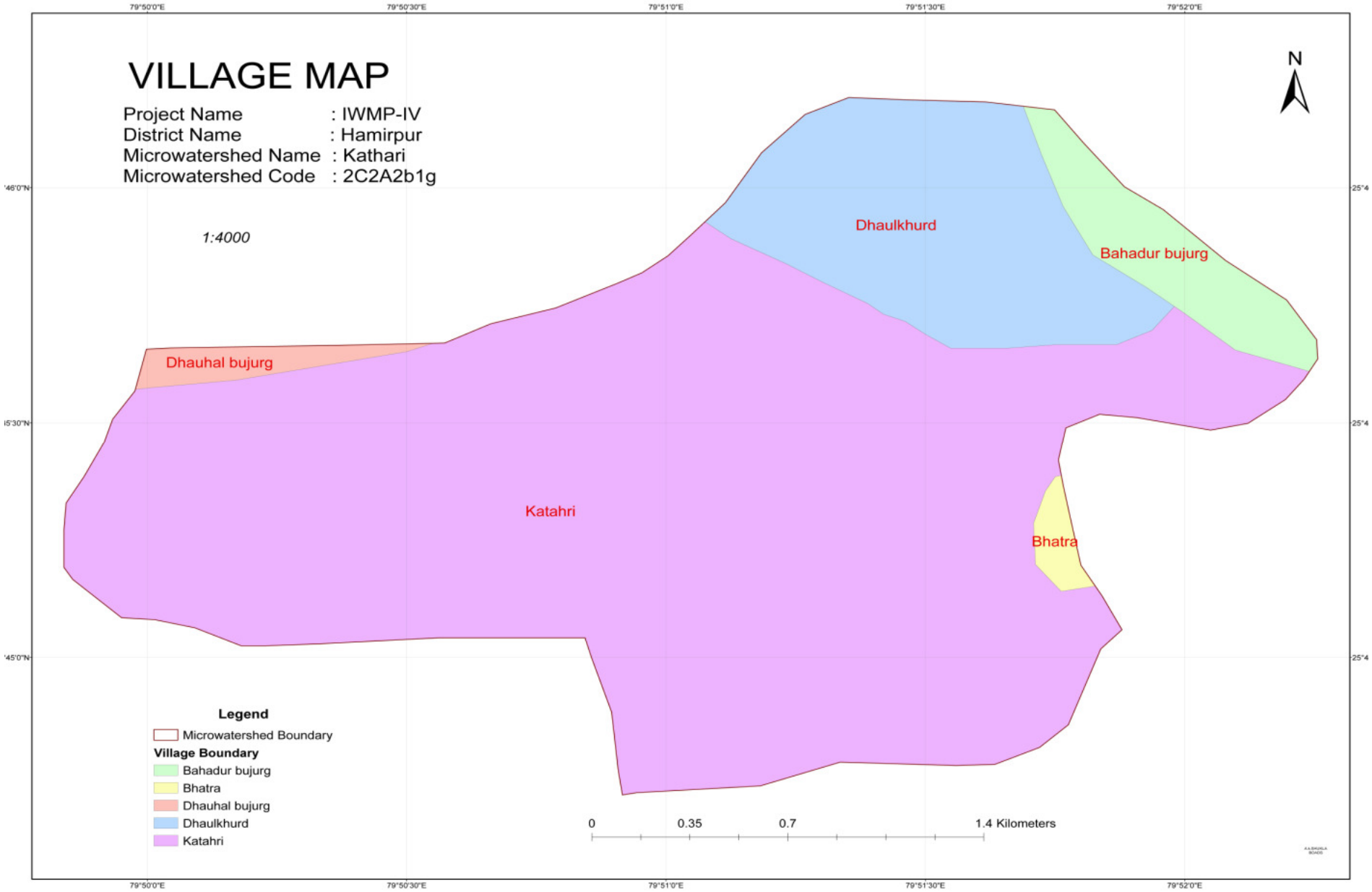

STANDARD FALSE COLOUR COMPOSITE (FCC)
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Kathari
Microwatershed Code : 2C2A2b1g
1:4000
N
Dhaulkhurd
Bahadur bujurg
Dhauhal bujurg
Katahri
Bhatra
Legend
Microwatershed Boundary
Village Boundary
Filed
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
RIVER
fcc
RGB
Red: Band_1
Green: Band_2
Blue: Band_3
0
0.35
0.7
1.4 Kilometers
Source - Landshet TM data of dec.2010
79°50'0"E
79°50'30"E
79°51'0"E
79°51'30"E
79°52'0"E

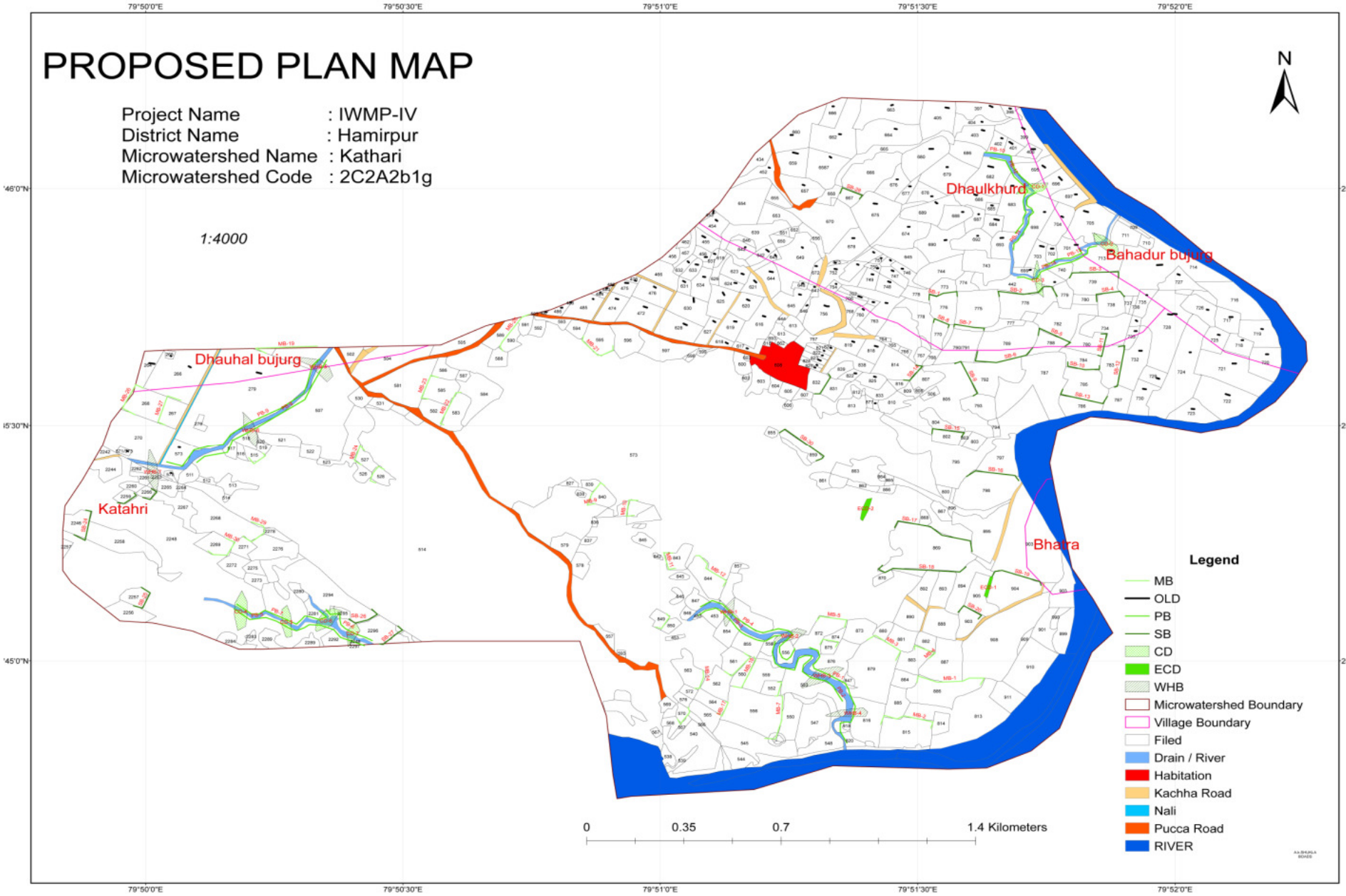

DIGITAL ELEVATION MODEL
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Kathari
Microwatershed Code : 2C2A2b1g
1:4000
N
Dhaulkhurd
Bahadur bujurg
Dhauhal bujurg
Katahri
Bhatra
Legend
Microwatershed Boundary
Village Boundary
Filed
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
RIVER
dem
Value
High : 124
Low : 79
0
0.35
0.7
1.4 Kilometers
Source - ASTER DEM30m
79°50'0"E
79°50'30"E
79°51'0"E
79°51'30"E
79°52'0"E

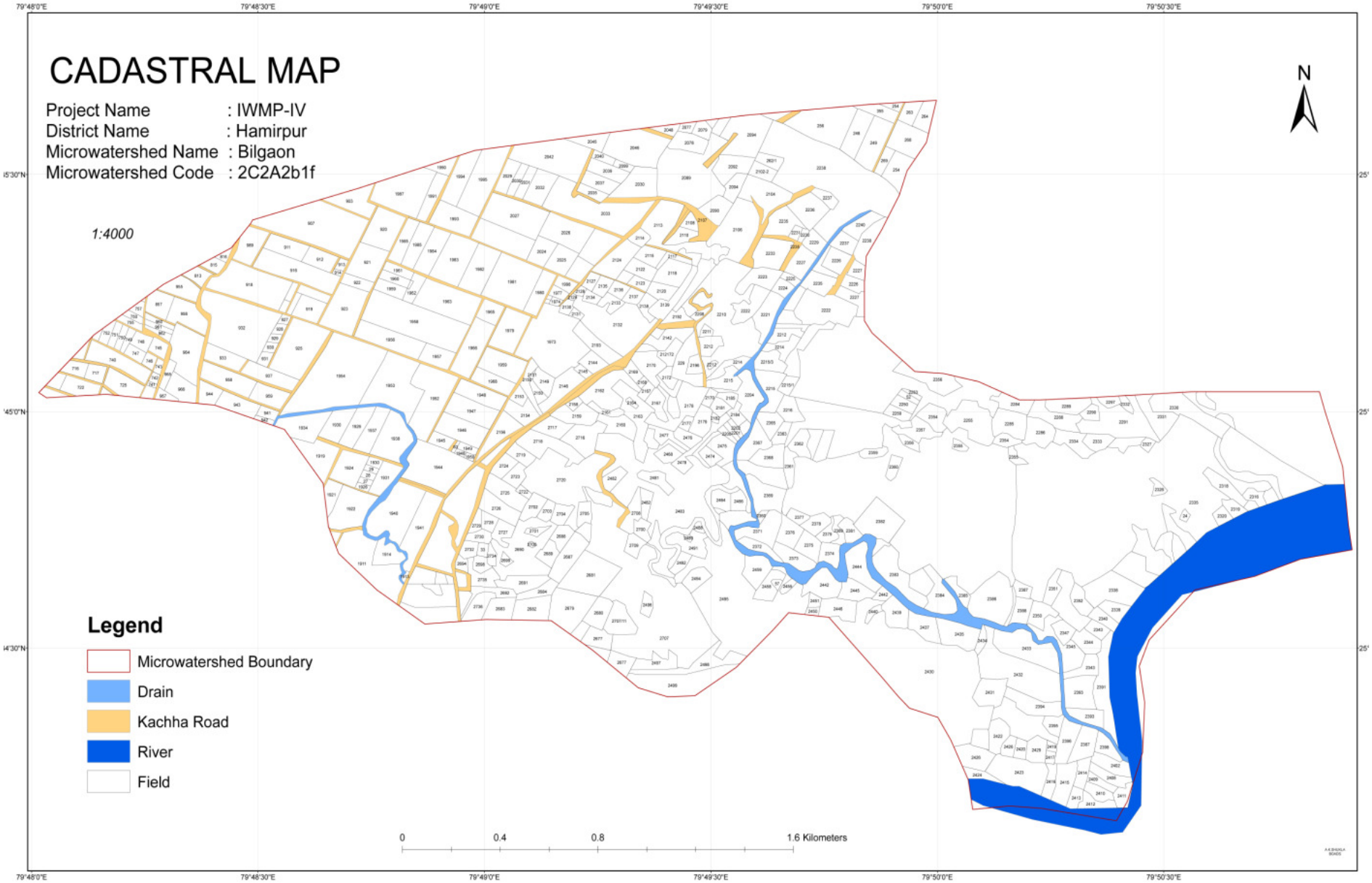

LANDUSE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Kathari
Microwatershed Code : 2C2A2b1g
1:4000
N
Legend
Microwatershed Boundary
Filed
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
RIVER
0
0.35
0.7
1.4 Kilometers
79°50'0"E
79°50'30"E
79°51'0"E
79°51'30"E
79°52'0"E

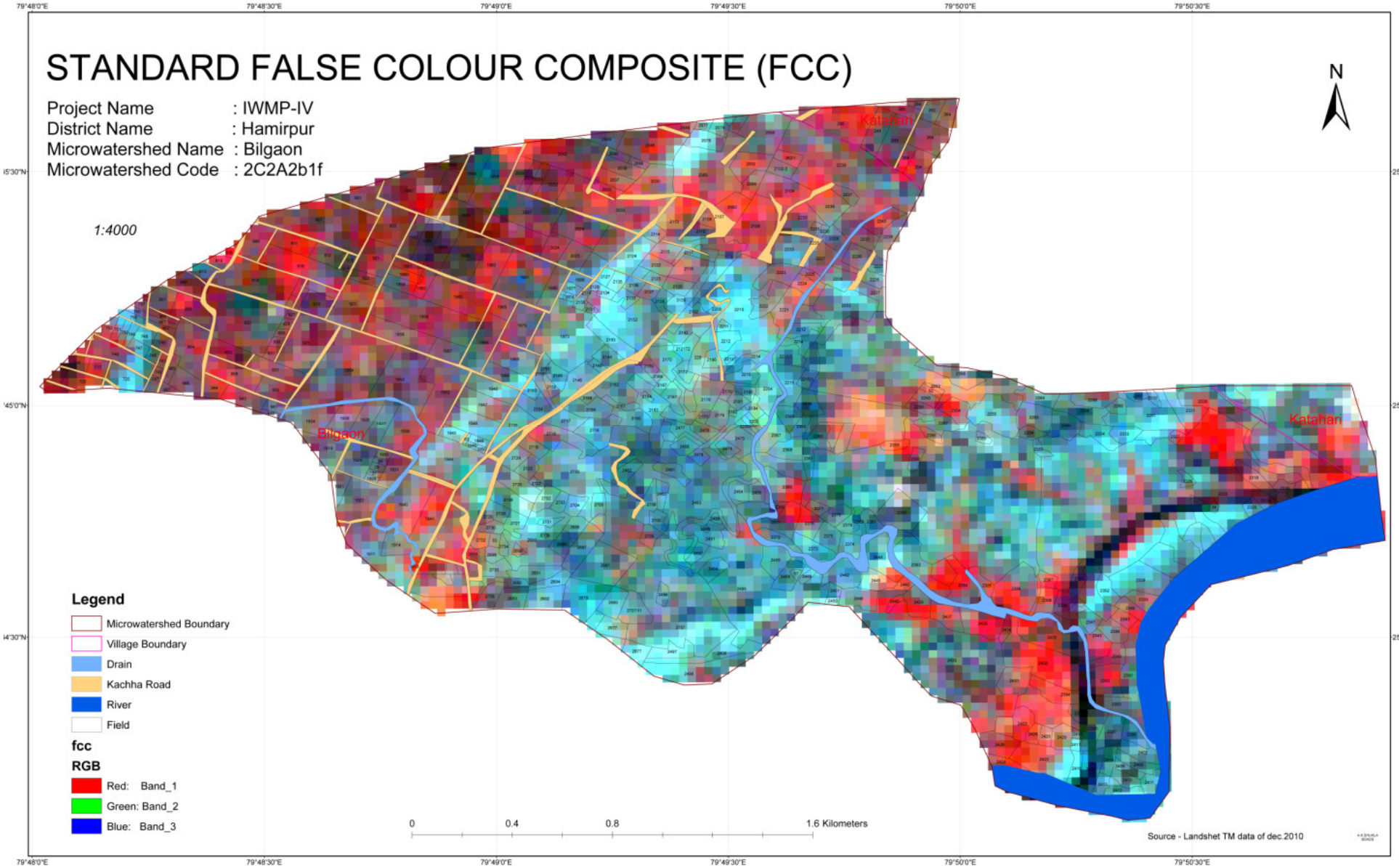

SLOPE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Kathari
Microwatershed Code : 2C2A2b1g
1:4000
N
Dhaulkhurd
Bahadur bujurg
Dhauhal bujurg
Katahri
Bhatra
Legend
Microwatershed Boundary
Village Boundary
Filed
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
RIVER
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
0
0.35
0.7
1.4 Kilometers
Derived from 30 m. ASTER DEM
79°50'0"E
79°50'30"E
79°51'0"E
79°51'30"E
79°52'0"E

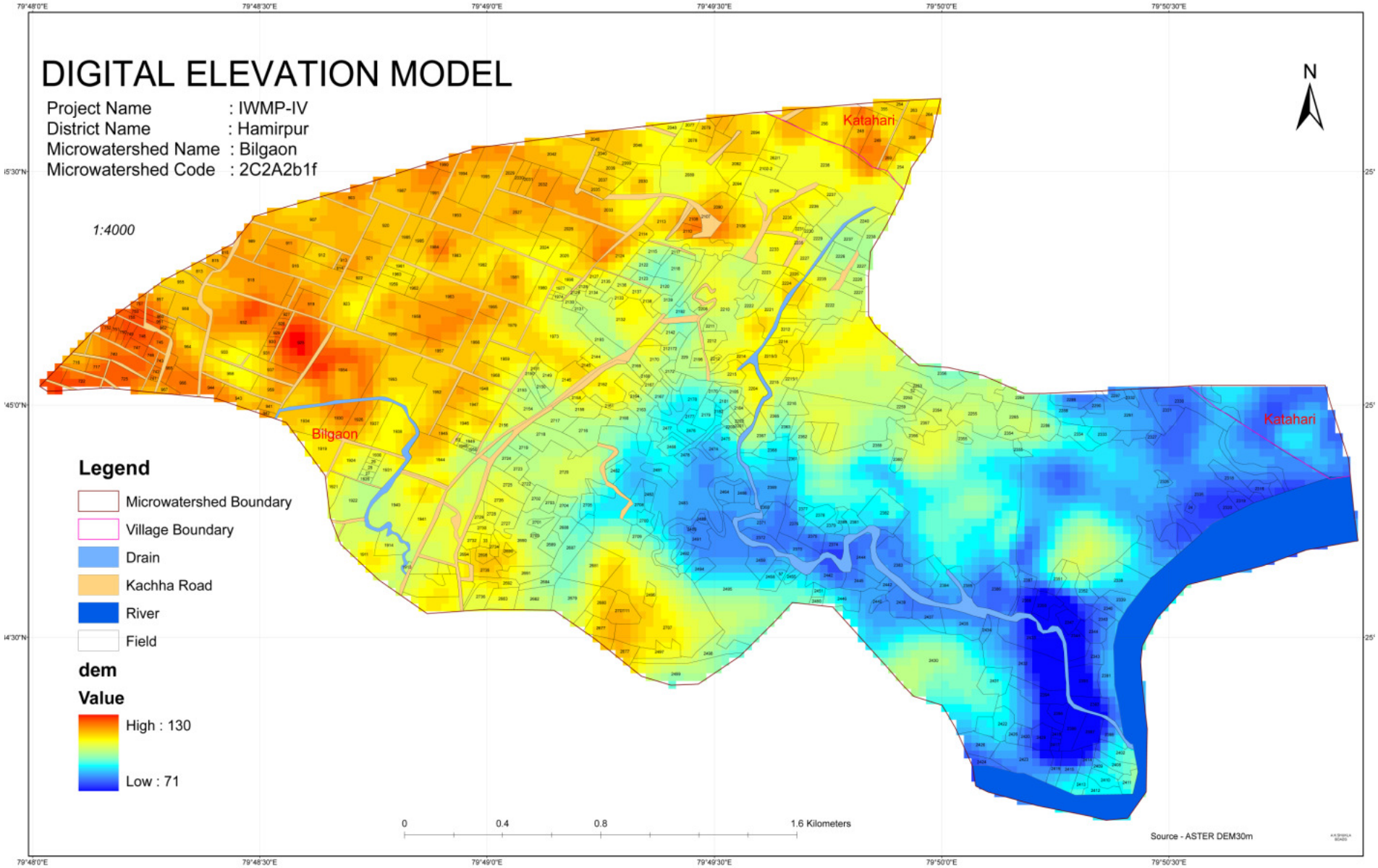

CONTOUR MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Kathari
Microwatershed Code : 2C2A2b1g
1:4000
N
Dhaulkhurd
Bahadur bujurg
Dhauhal bujurg
Katahri
Bhatra
Legend
CONTOUR
80
85
90
95
100
105
110
115
120
Microwatershed Boundary
Village Boundary
Filed
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
RIVER
0
0.35
0.7
1.4 Kilometers
Derived from 30 m. ASTER DEM
79°50'0"E
79°50'30"E
79°51'0"E
79°51'30"E
79°52'0"E

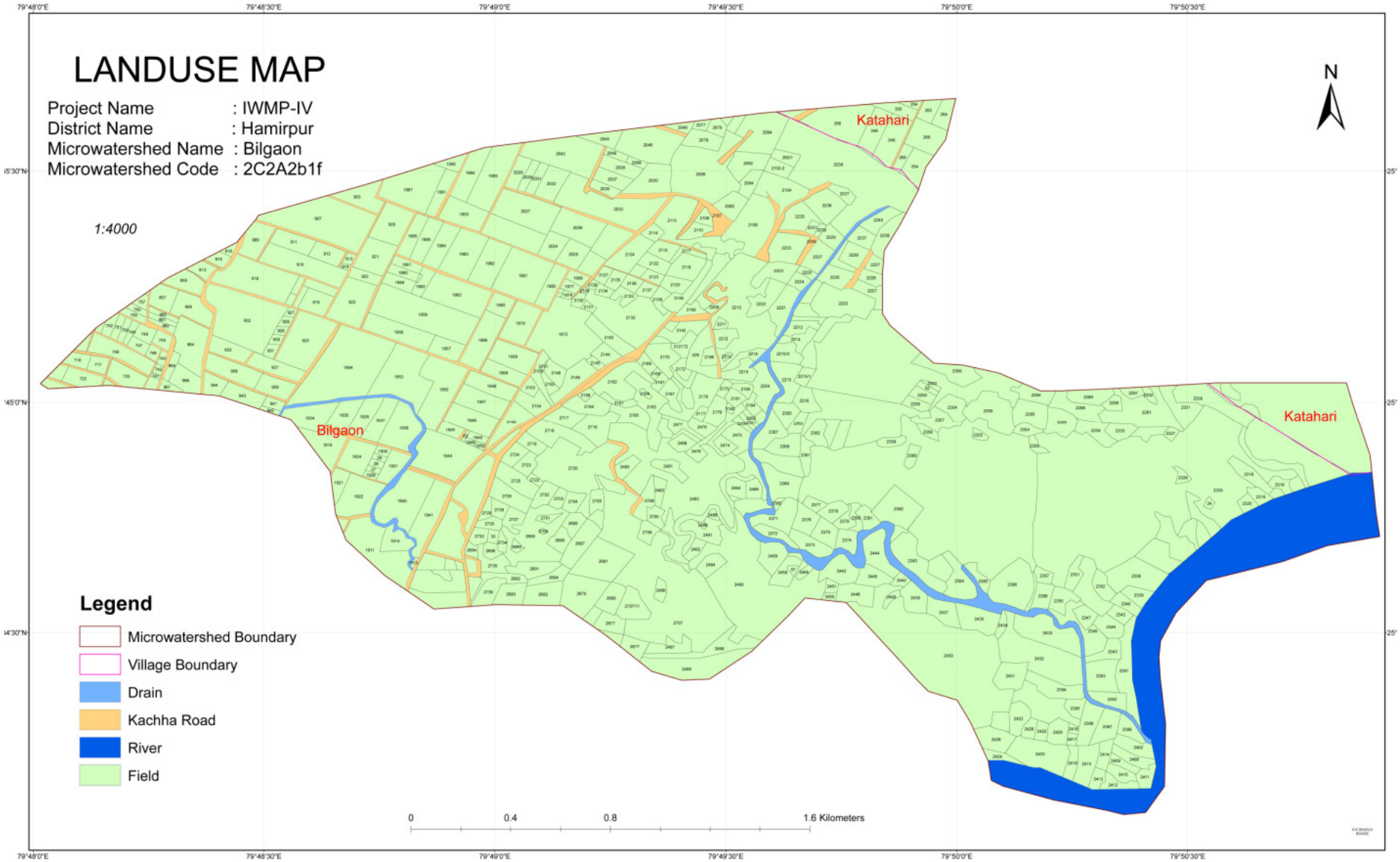

VILLAGE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Kathari
Microwatershed Code : 2C2A2b1g
1:4000
N
Dhaulkhurd
Bahadur bujurg
Dhauhal bujurg
Katahri
Bhatra
Legend
Microwatershed Boundary
Village Boundary
Bahadur bujurg
Bhatra
Dhauhal bujurg
Dhaulkhurd
Katahri
0
0.35
0.7
1.4 Kilometers
79°50'0"E
79°50'30"E
79°51'0"E
79°51'30"E
79°52'0"E

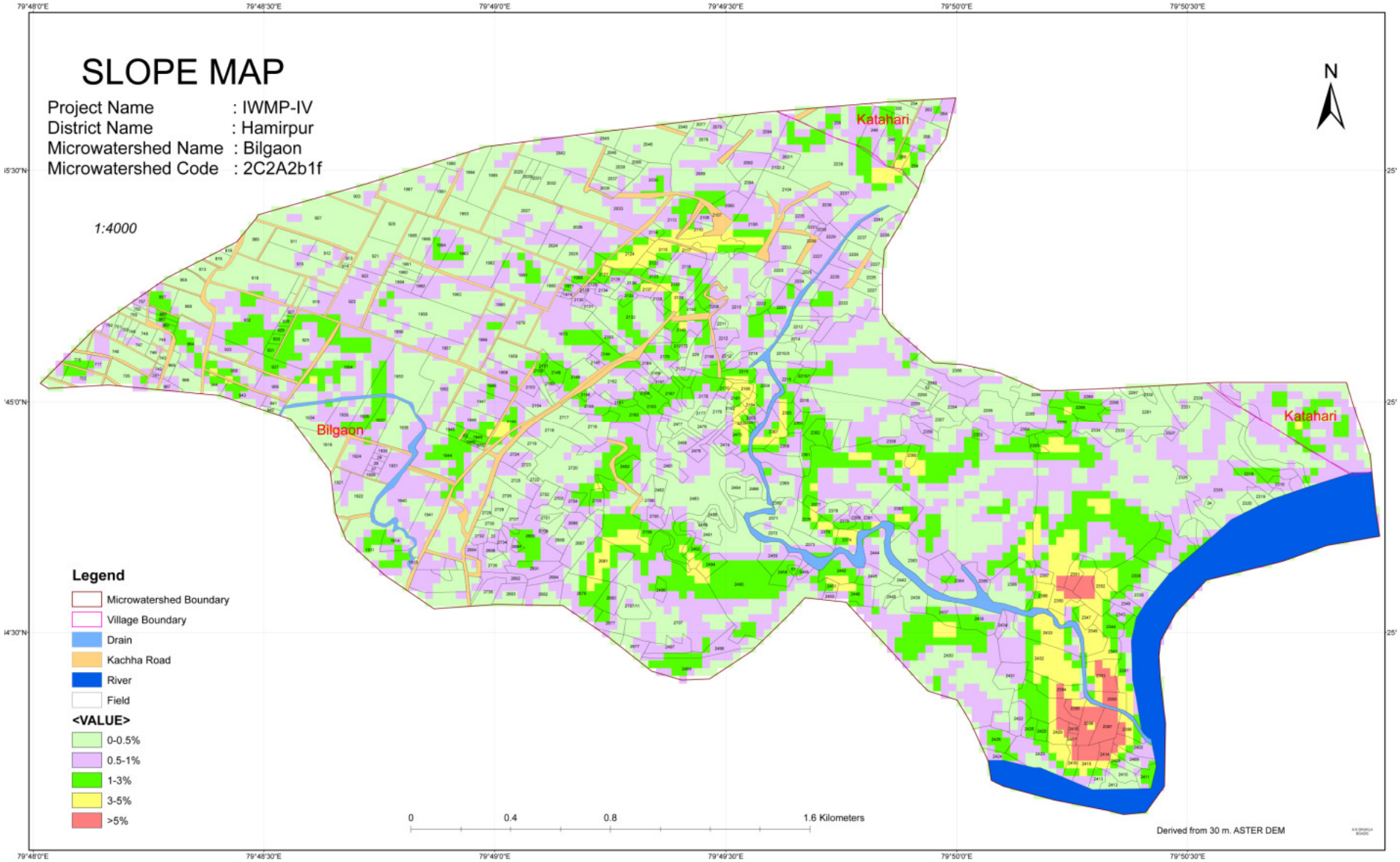

PROPOSED PLAN MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Kathari
Microwatershed Code : 2C2A2b1g
1:4000
N
Dhaulkhurd
Bahadur bujurg
Dhauhal bujurg
Katahri
Bhatra
Legend
MB
OLD
PB
SB
CD
ECD
WHB
Microwatershed Boundary
Village Boundary
Filed
Drain / River
Habitation
Kachha Road
Nali
Pucca Road
RIVER
0
0.35
0.7
1.4 Kilometers
79°50'0"E
79°50'30"E
79°51'0"E
79°51'30"E
79°52'0"E

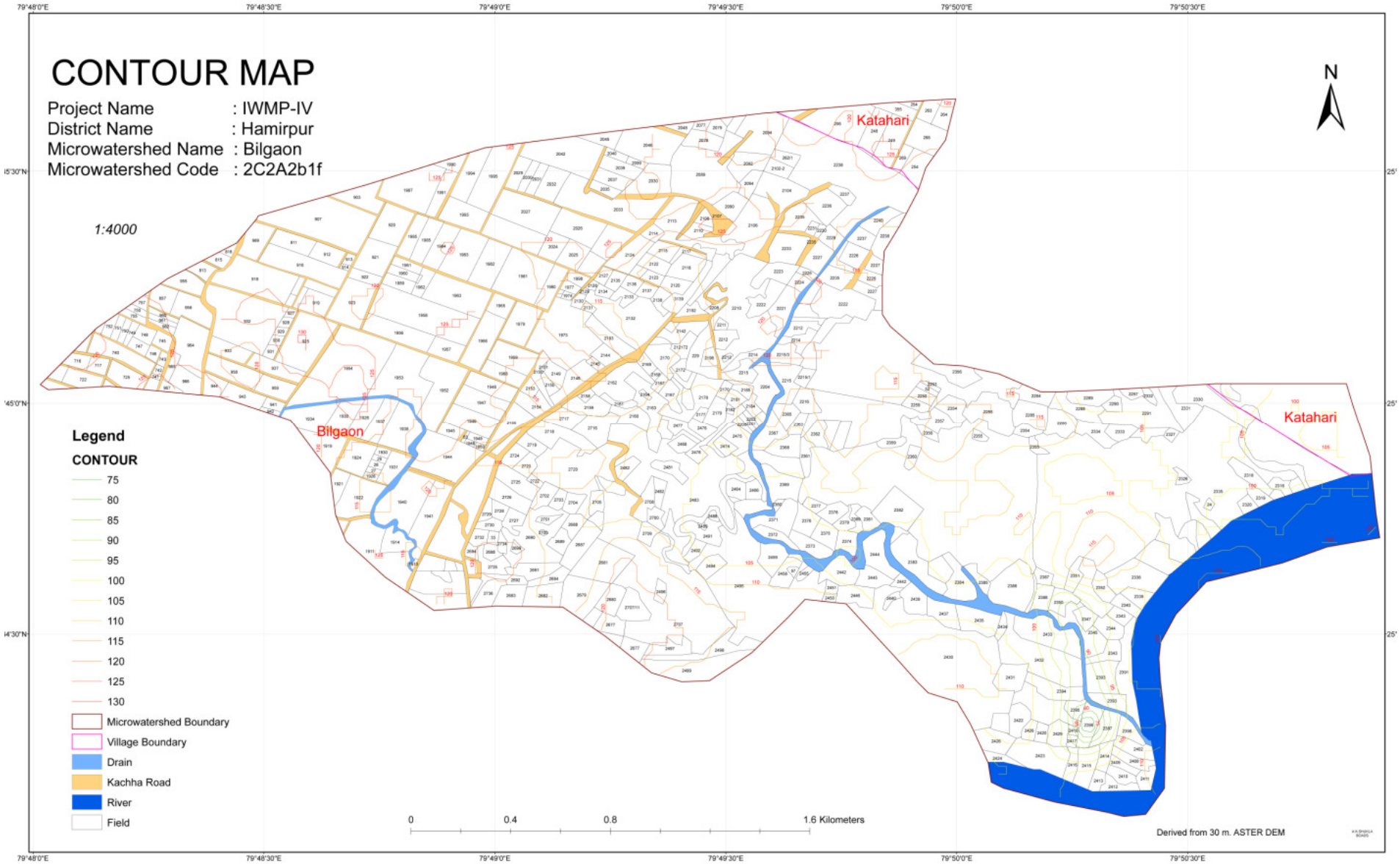

CADASTRAL MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Bilgaon
Microwatershed Code : 2C2A2b1f
1:4000
N
Legend
Microwatershed Boundary
Drain
Kachha Road
River
Field
0
0.4
0.8
1.6 Kilometers
79°48'0"E
79°48'30"E
79°49'0"E
79°49'30"E
79°50'0"E
79°50'30"E

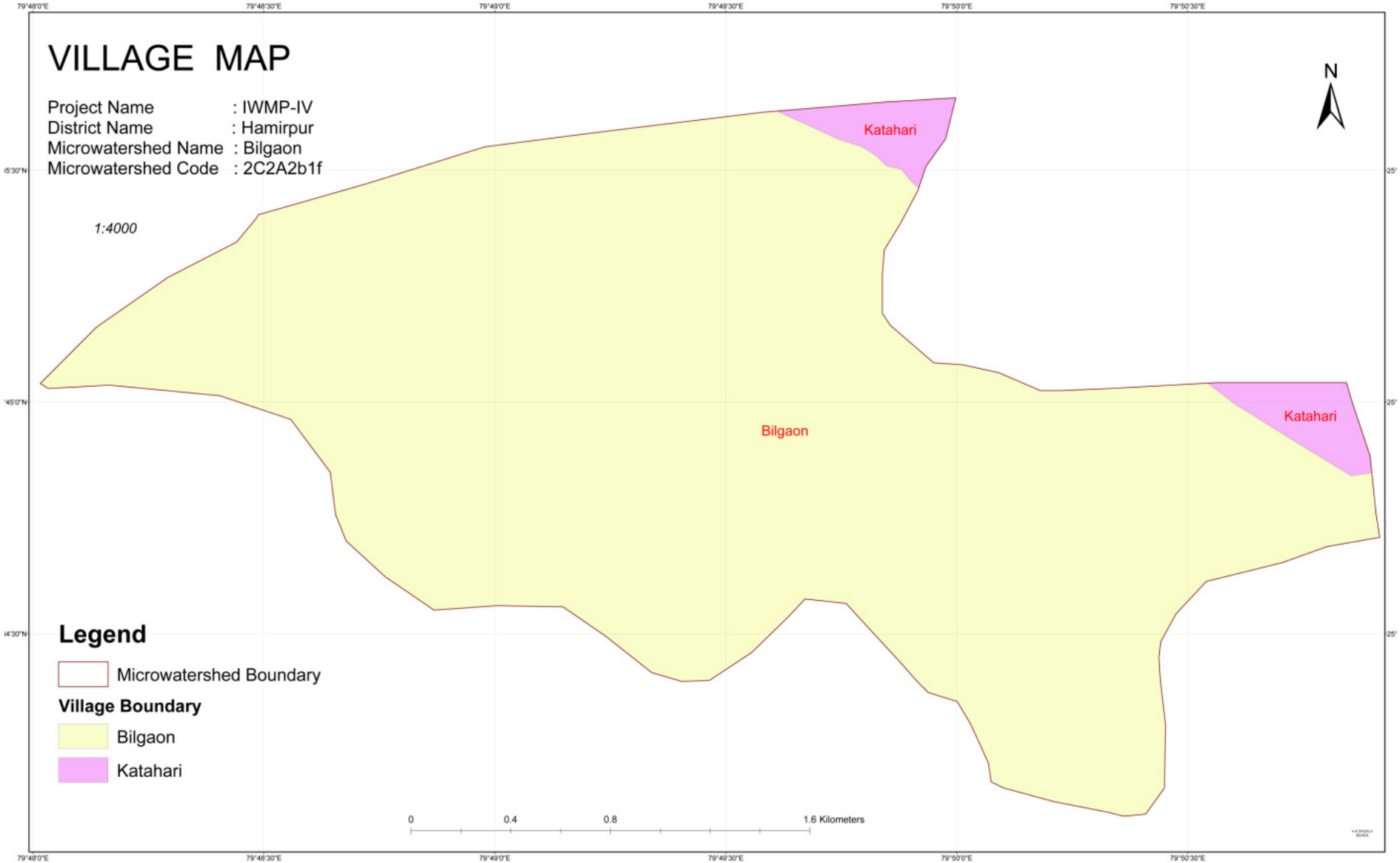

STANDARD FALSE COLOUR COMPOSITE (FCC)
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Bilgaon
Microwatershed Code : 2C2A2b1f
1:4000
N
Bilgaon
Katahari
Katahari
Legend
Microwatershed Boundary
Village Boundary
Drain
Kachha Road
River
Field
fcc
RGB
Red: Band_1
Green: Band_2
Blue: Band_3
0
0.4
0.8
1.6 Kilometers
Source - Landshet TM data of dec.2010
79°48'0"E
79°48'30"E
79°49'0"E
79°49'30"E
79°50'0"E
79°50'30"E

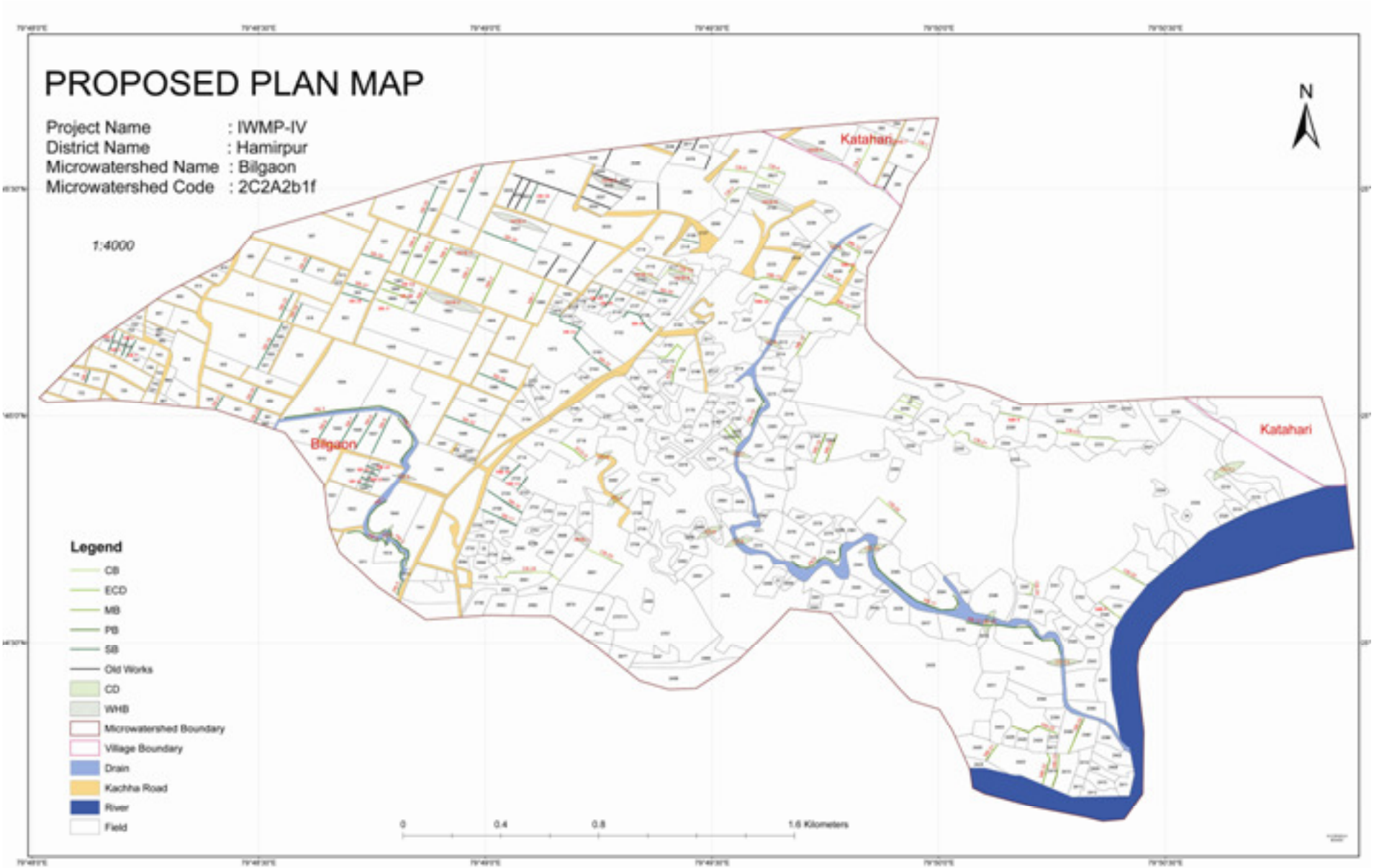

DIGITAL ELEVATION MODEL
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Bilgaon
Microwatershed Code : 2C2A2b1f
1:4000
N
Katahari
Bilgaon
Katahari
Legend
Microwatershed Boundary
Village Boundary
Drain
Kachha Road
River
Field
dem
Value
High : 130
Low : 71
0
0.4
0.8
1.6 Kilometers
Source - ASTER DEM30m
79°48'0"E
79°48'30"E
79°49'0"E
79°49'30"E
79°50'0"E
79°50'30"E


LANDUSE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Bilgaon
Microwatershed Code : 2C2A2b1f
1:4000
N
Katahari
Bilgaon
Katahari
Legend
Microwatershed Boundary
Village Boundary
Drain
Kachha Road
River
Field
0
0.4
0.8
1.6 Kilometers
79°48'0"E
79°48'30"E
79°49'0"E
79°49'30"E
79°50'0"E
79°50'30"E


SLOPE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Bilgaon
Microwatershed Code : 2C2A2b1f
1:4000
N
Katahari
Bilgaon
Katahari
Legend
Microwatershed Boundary
Village Boundary
Drain
Kachha Road
River
Field
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
0
0.4
0.8
1.6 Kilometers
Derived from 30 m. ASTER DEM
79°48'0"E
79°48'30"E
79°49'0"E
79°49'30"E
79°50'0"E
79°50'30"E


CONTOUR MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Bilgaon
Microwatershed Code : 2C2A2b1f
1:4000
N
Katahari
Bilgaon
Katahari
Legend
CONTOUR
75
80
85
90
95
100
105
110
115
120
125
130
Microwatershed Boundary
Village Boundary
Drain
Kachha Road
River
Field
0
0.4
0.8
1.6 Kilometers
Derived from 30 m. ASTER DEM
79°48'0"E
79°48'30"E
79°49'0"E
79°49'30"E
79°50'0"E
79°50'30"E


VILLAGE MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Bilgaon
Microwatershed Code : 2C2A2b1f
1:4000
N
Katahari
Bilgaon
Katahari
Legend
Microwatershed Boundary
Village Boundary
Bilgaon
Katahari
0
0.4
0.8
1.6 Kilometers


PROPOSED PLAN MAP
Project Name : IWMP-IV
District Name : Hamirpur
Microwatershed Name : Bilgaon
Microwatershed Code : 2C2A2b1f
1:4000
N
Katahari
Bilgaon
Katahari
Legend
CB
ECD
MB
PB
SB
Old Works
CD
WHB
Microwatershed Boundary
Village Boundary
Drain
Kachha Road
River
Field
0
0.4
0.8
1.6 Kilometers