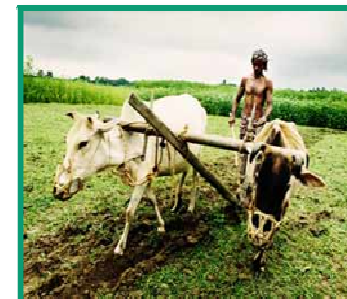
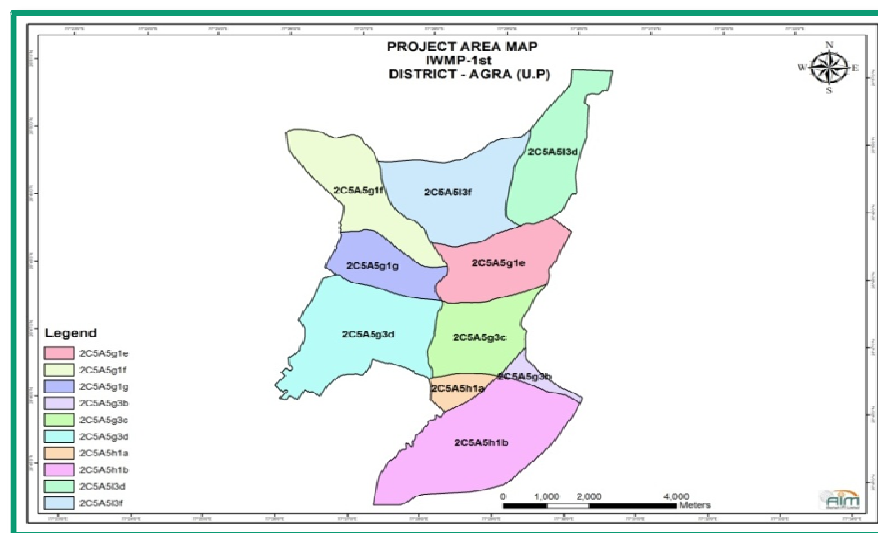


(IWMP-1st, (YEAR 2009-10) AGRA)
INTEGRATED WATERSHED MANAGEMENT PROGRAMME
IN KAWAR RIVER WATERSHED
BLOCK – JAGNER
DISTRICT – AGRA (UTTAR PRADESH)



**Prepared By:-
Bhoomi Sanrakshan Adhikari
Department of Land Development
& Water Resources, Agra**

Land Development & Water Resources Government of U. P. Lucknow

CERTIFICATE

This is to be certified that the proposed Project (IWMP-I) comprising ten micro-watersheds of district Agra, Uttar Pradesh has been selected for its sustainable development on watershed basis under Integrated Watershed Management Programme. The land is physically available for proposed interventions and is not overlapping with any other schemes. It will be developed as per Common Guidelines for Watershed Development Project-2008, GOI, New Delhi. The significant results will be achieved through proposed interventions on soil and water conservation, ground water recharge, availability of drinking and irrigation water, agricultural production systems, live stock, fodder availability, livelihoods of asset less, capacity building, etc. The proposed **Detailed Project Report of IWMP-I, 2009-10** is proposed for its implementation.



भूमि संरक्षण अधिकारी
भूमि विकास एवं जल संसाधन विभाग
आगरा
Soil Conservation Officer
IWMP-I
Dept. of LDWR, Agra, UP



उप निदेशक
भूमि विकास एवं जल संसाधन विभाग
आगरा
Deputy Director
LDWR, Agra, UP



PROJECT DIRECTOR
आगरा
Project Director
DRDA, Agra, UP

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CHAPTER-1

INTRODUCTION AND PROJECT BACKGROUND

1.1: Project Background:

IWMP-I project is located in Jagner **Block** of **Agra District, U.P.** The project is a **cluster** of 10 Micro watersheds. The total project (geographical) area of the watershed cluster is about 4722 ha out of this 2900 ha has been undertaken to be treated under **Integrated Watershed Management Program** (IWMP-1st) with starting year 2009-10.

Table 1.1: Basic Project Information:

Sl.No.	Details	No.	Area (ha.)
1	2	3	4
1	Total Geographical area and watersheds in the project (Before start of IWMP in district)	550	40123
2	Workable Micro Watersheds and Geographical/treatable area	10	4722/2900
3	Micro Watersheds already treated by LDWR & other agencies	0	0
4	Balance Micro Watersheds/ Geographical area for treatment (After IWMP-Ist)	540	35401

Table 1.2: Approved plan Preliminary Project Report (PPR) by Steering Committee (SC), Govt. of India:

Year	Project/Phase IWMP-I	MWS	Geographical Area/Treatable (ha)	Project Cost Rs. lacs	PIA	S.C. Meeting Date
1	2	3	4	5	6	7
2009-10	IWMP-I	10	4722/2900	348.00	B.S.A, Agra	25.02.2009

Table 1.3: Details of Micro Watersheds:

S.No.	Code of Micro watersheds	Name of Micro Watersheds	Treatable Area (ha)	Name of River / Nalah in each MWS
1	2C5A5i3d	Gharhi kareempur	140	Yamuna river
2	2C5A5g1e	Nasoua	400	Yamuna river
3	2C5A5i3f	Basai Jagner	500	Yamuna river
4	2C5A5g3d	Shahganj	500	Yamuna river
5	2C5A5g1g	Singrawali	250	Yamuna river
6	2C5A5g1f	Karhaki	270	Yamuna river
7	2C5A5g3b	Soni kheda Ist	60	Yamuna river
8	2S5A5h1a	Soni kheda IIInd	90	Yamuna river
9	2S5A5h1b	Soni kheda IIIrd	350	Yamuna river
10	2A5A5g3c	Kodari	340	Yamuna river
		Total	2900	

1.2: Need and scope for Watershed development programme:

Watershed Development Programme is prioritized on the basis of thirteen parameters namely Poverty index, Percentage of SC/ST population, Actual wages, Percentage of small and marginal farmers, Ground water status, Moisture Index, Area under rainfed agriculture, Drinking water situation, Percentage of the degraded land, Productivity potential of the land, Continuity of another watershed that has already been treated, and Cluster approach for the area.

Cluster approach was followed taken into consideration for micro-watersheds covering a total geographical area of 4722 ha with a cumulative score of 88 (Reference Table given below)-

1.4: Weightage for the selection of the watershed:

Project name	Project type	Weightage													
IWMP-I	Drought	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	Total
		7.5	5	5	3	0	0	5	7.5	15	15	10	15	0	88

Weightage Criteria (for score):

Criteria	Maximum Score	Ranges & Scores			
Poverty index (% of poor to population)	10	Above 80 % (10)	80 to 50 % (7.5)	50 to 20 % (5)	Below 20 % (2.5)
% of SC/ ST population	10	More than 40 % (10)	20 to 40 % (5)	Less than 20 % (3)	
Actual wages	5	Actual wages are significantly lower than	Actual wages are equal to or higher than minimum		

		minimum wages (5)	wages (0)		
% of small and marginal farmers	10	More than 80 % (10)	50 to 80 % (5)	Less than 50 % (3)	
Ground water status	5	Over exploited (5)	Critical (3)	Sub critical (2)	Safe (0)
Moisture index/ DPAP/ DDP Block	15	-66.7 & below (15) DDP Block	-33.3 to -66.6 (10) DPAP Block	0 to -33.2 (0) Non DPAP/ DDP Block	
Area under rain-fed agriculture	15	More than 90 % (15)	80 to 90 % (10)	70 to 80% (5)	Above 70 % (Reject)
Drinking water	10	No source (10)	Problematic village (7.5)	Partially covered (5)	Fully covered (0)
Degraded land	15	High – above 20 % (15)	Medium – 10 to 20 % (10)	Low- less than 10 % of TGA (5)	
Productivity potential of the land	15	Lands with low production & where productivity can be significantly enhanced with reasonable efforts (15)	Lands with moderate production & where productivity can be enhanced with reasonable efforts (10)	Lands with high production & where productivity can be marginally enhanced with reasonable efforts (5)	

Contiguity to another watershed that has already been developed/ treated	10	Contiguous to previously treated watershed & contiguity within the micro watersheds in the project (10)	Contiguity within the micro watersheds in the project but non contiguous to previously treated watershed (5)	Neither contiguous to previously treated watershed nor contiguity within the micro watersheds in the project (0)	
Cluster approach in the plains (more than one contiguous micro-watersheds in the project)	15	Above 6 micro-watersheds in cluster (15)	4 to 6 micro watersheds in cluster (10)	2 to 4 micro watersheds in cluster (5)	
Cluster approach in the hills (more than one contiguous micro-watersheds in the project)	15	Above 5 micro-watersheds in cluster (15)	3 to 5 micro watersheds in cluster (10)	2 to 3 micro watersheds in cluster (5)	
	150	150	90	41	2.5

- The total no. of families under BPL is 593, which is 52.00% of the total households of the Watershed. Hence a score of 7.5 is allotted.
- The percentage of schedule caste in the watershed is about 30% to the total population; hence a score of 5 was allotted.
- Rainfed agriculture forms the primary occupation of the watershed due to scant irrigation and ground water availability.
- More than 90 percent of the farmers are small and marginal by nature and the actual wages earned by the labour is less than the minimum wages hence a score of 10 is given.
- Since the rainfall received is erratic and irregular, the Moisture index is low and the area is classified under IWMP block.
- Drinking water is problematic in the watershed.
- Some part of land is degraded. The soil is very permeable and production of the land can be significantly enriched with the availability of timely irrigation.

1.4: Details of ongoing watershed programme:

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

CHAPTER-2

GENERAL DESCRIPTION OF PROJECT AREA

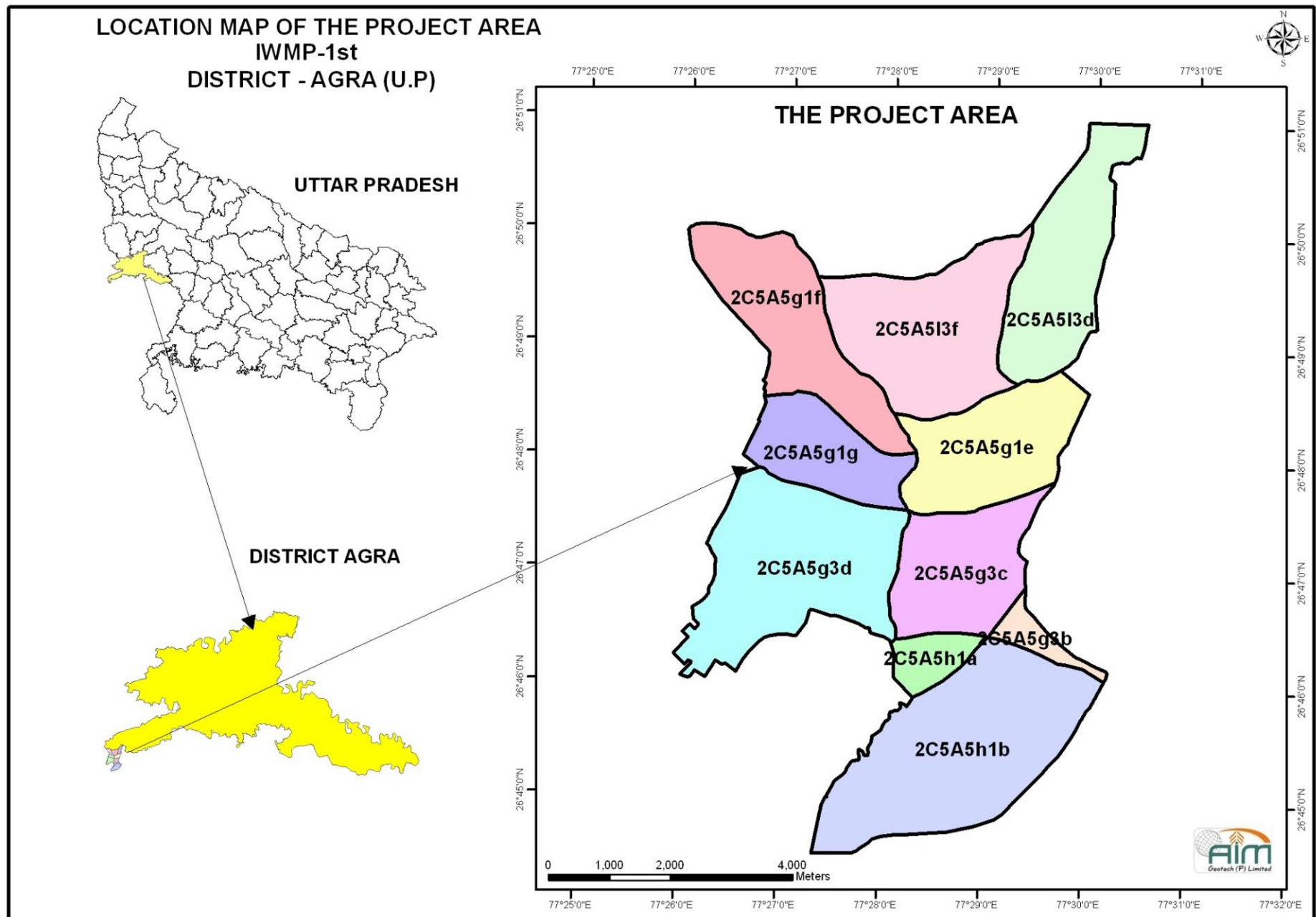
2.1: Location:

The selected watershed in the catchment of RB of Yamuna in Agra district (U.P.) and is located in Western part of the district. This Watershed cluster includes 10 villages. The livelihood of these people is primarily based on rainfed agriculture, animal husbandry, wage labour, goat, sheep and poultry.

Table 2.1: General Description of the Project Area

S.No.	Name & code of MWS	Latitude/ Longitude	Name of Gram panchayat	Name of Villages	Area of Village in MWS (ha)	Details of important/ approach road with distance [km]
1	2	3	4	5	6	7
1	2C5A5i3d Gharhi kareempur	26.812 N to 26.851N 77.484E to 77.508E	Ghaskata	Gadhi Karimpur	130	1
			Ghaskata	Ghaskata	266	1
			Basai Jagner	Nasaua	86	2
				Sub-Total	482	
2	2C5A5g1e Nasoua	26.792 N to 26 ⁰ 26.81N 77.468 E to 77.50 E	Basai Jagner	Basai Jagner	409	3
			Basai Jagner	Nasaua	57	2
				Sub-Total	466	
3	2C5A5i3f Basai Jagner	26.806 N to 26.835 N 77.455 E to 77.49 E	Tantpur	Tantpur	165	3
			Basai Jagner	Basai Jagner	264	3
			Ghaskata	Gadhi Karimpur	10	1
			Ghaskata	Ghaskata	8	1
			Basai Jagner	Nasaua	122	2
				Sub-Total	569	
4	2C5A5g3d	26.767 N to 26.798 N	Basai Jagner	Basai Jagner	175	3

S.No.	Name & code of MWS	Latitude/ Longitude	Name of Gram panchayat	Name of Villages	Area of Village in MWS (ha)	Details of important/ approach road with distance [km]
	Shahganj	77.432 E to 77.471 E	Soni Kheda	Kodari	90	11
			Singrawali	Shahganj	257	7
			Singrawali	Singrawali	263	5
				Sub-Total	785	
5	2C5A5g1g Singrawali	26.793 N to 26.81 N 77.443 E to 77.472 E	Basai Jagner	Basai Jagner	111	3
			Singrawali	Singrawali	132	5
			Basai Jagner	Karhaki	82	
				Sub-Total	324	
6	2C5A5g1f Karhaki	26.801 N to 26.834 N 77.433 E to 77.471 E	Basai Jagner	Karhaki	88	3
			Basai Jagner	Basai Jagner	458	3
				Sub-Total	546	
7	2C5A5g3b Soni kheda Ist	26.768 N to 26.782 N 77.484 E to 77.504 E	Soni Kheda	Soni Kheda	65	10
				Sub-Total	65	
8	2S5A5h1a Soni kheda IIInd	26.765 N to 26.775 N 77.469 E to 77.484 E	Soni Kheda	Kodari	58	11
			Soni Kheda	Soni Kheda	56	10
				Sub-Total	114	
9	2S5A5h1b Soni kheda IIIrd	26.742 N to 26.774 N 77.456 E to 77.503 E	Soni Kheda	Soni Kheda	883	10
				Sub-Total	883	
10	2A5A5g3c Kodari	26.774 N to 26.797 N 77.467 E to 77.494 E	Basai Jagner	Basai Jagner	223	3
			Soni Kheda	Kodari	193	11
			Soni Kheda	Soni Kheda	72	10
				Sub-Total	488	
				Grand total	4722	



2.2: Area and Land use:

Village wise detailed information on type of land is depicted in Table 2.2.

Table 2.2: Details of land resources in IWMP-I

Name & Code of MWS	Name of Micro Watersheds	Cultivated and wasteland				Area details (ha)							
		area of the village (ha)				(falling within the projects)							
		Cultivated rainfed area	Cultivated irrigated area	Uncultivated wasteland/ fallow		Pvt. Agri. Land				Forest Land	Community land	Others	Total area (ha)
				Temp.	Permanent	Gen	SC/ST	OBC	Total				
2C5A5i3d	Gharhi kareempur	115	38	175	154	180.5	80.25	33.5	294.25	0	157	30.75	482
2C5A5g1e	Nasoua	244	81	75	66	221.93	44.09	77.36	343.38	0	68	54.62	466
2C5A5i3f	Basai Jagner	300	151	65	53	300.17	46.77	86.39	433.33	-	55	80.67	569
2C5A5g3d	Shahganj	327	153	160	145	350.94	55.36	201.07	607.37	0	148	29.63	785
2C5A5g1g	Singrawali	218	72	23	11	202.05	32	26.59	260.64	-	13	50.36	324
2C5A5g1f	Karhaki	236	78	115	117	300.67	34.2	57.18	392.05	-	119	34.95	546
2C5A5g3b	Soni kheda Ist	40	17	5	3	0.553	13.148	43.447	57.148	-	4	3.852	65
2S5A5h1a	Soni kheda IIInd	73	24	13	4	43.76	4.588	42.693	91.041	0	5	17.959	114
2S5A5h1b	Soni kheda IIIrd	328	109	233	214	101.76	86.54	58.18	246.48	390	216	30.52	883
2A5A5g3c	Kodari	319	105	44	19.72	130	120	202	452	-	21	15	488
	Total	2200	828	908	787	1832	517	828	3178	390	806	348	4722

2.3: Physiography:

The watershed has a general **slope** more than 1 percent. Spatial distribution of different slope classes was prepared by using of Arc GIS Software. Slope was divided into 04 classes (viz. 0-0.1, 1.0-3.0, 3-5% and more than 5% (Table 2.3).

Table 2.3: Slope range in the project area for IWMP-I

S.No.	Code of MWS	Name of MWS	Slope Range					Others Specify
			0-1.0%	1-3%	3-5%	>5%	Total	
1	2	3	4	5	6	7	8	9
1	2C5A5i3d	Gharhi kareempur	133.40	348.60	-	-	-	482
2	2C5A5g1e	Nasoua	152.15	290.34	19.95	3.56	-	466
3	2C5A5i3f	Basai Jagner	128.56	423.38	15.85	1.21	-	569
4	2C5A5g3d	Shahganj	368.00	417.00	-	-	-	785
5	2C5A5g1g	Singrawali	160.00	164.00	-	-	-	324
6	2C5A5g1f	Karhaki	75.06	365.02	66.60	36.64	2.67	546
7	2C5A5g3b	Soni kheda Ist	24.28	40.72	-	-	-	65
8	2S5A5h1a	Soni kheda IIrd	70.00	44.00	-	-	-	114
9	2S5A5h1b	Soni kheda IIIrd	159.09	660.00	62.00	1.91	-	883
10	2A5A5g3c	Kodari	248.15	239.85	-	-	-	488
		Total	1518.69	2992.92	164.40	43.32	2.67	4722

2.4: Climate:

The annual rainfall and the temperature of the district are given in Table 2.4.

Table 2.4: Average monthly rainfall and temperature of the last 05 years at IWMP-I

Month	Annual Rainfall (mm)						Temperature °C	
	2004	2005	2006	2007	2008	Average	Max.	Min.
January	0.00	0.40	4.00	0.40	0.20	1.00	18.00	7.50
February	4.80	14.00	21.00	60.80	12.80	22.68	22.30	9.40
March	19.20	0.00	0.00	29.80	0.00	9.80	28.10	9.50
April	0.20	34.50	0.00	0.00	48.60	16.66	35.50	17.00

May	62.20	100.20	59.40	101.20	51.40	89.14	42.00	21.00
June	97.20	111.40	21.20	112.00	137.50	96.06	43.50	23.50
July	355.40	202.00	148.00	206.10	433.00	255.50	38.10	24.50
August	162.00	113.00	275.00	120.90	501.00	232.42	35.40	23.20
September	301.60	139.00	205.00	138.00	308.60	216.43	34.70	21.00
October	158.00	40.20	33.60	6.20	23.00	52.22	33.20	16.50
November	2.80	0.00	4.10	0.00	2.60	1.90	32.50	10.50
December	0.60	1.30	1.10	0.60	0.00	0.72	17.80	8.60
Total	1164.00	756.00	772.40	776.00	1518.70	997.4 (Avg.)	31.75 (Avg.)	16.01 (Avg.)

Table 2.5: Flood and Drought Area:

Sl. No.	MWS	Particulars	No. of villages	Periodicity		Not affected
				Annual	Any other (please specify)	
1	2	3	4	5	6	7
1	All	Flood	Name(s) of villages	---	----	Not affected
			No. of villages	---	----	
		Drought	Name(s) of villages	---	----	Not affected
			No. of villages	---	----	

Table 2.6: Details of Soil Erosion

S. No.	Code of MWS	Name of MWS	Water Erosion				Runoff (mm)	Average Soil loss (Ton/ha/year)	Wind Erosion
			Sheet	Rill	Gully	Total			
1	2	3	4	5	6	7	8	9	10
1	2C5A5i3d	Gharhi kareempur	32.2	92.4	15	140	360	17	--
2	2C5A5g1e	Nasoua	92	264	44	400	370	18	--
3	2C5A5i3f	Basai Jagner	118	325	57	500	365	15	--
4	2C5A5g3d	Shahganj	115	330	55	500	380	17	--
5	2C5A5g1g	Singrawali	57.5	165	28	250	370	16	--
6	2C5A5g1f	Karhaki	62.1	178	30	270	390	18	--
7	2C5A5g3b	Soni kheda Ist	13.8	39.6	7	60	401	15	--
8	2S5A5h1a	Soni kheda IIInd	20.7	59.4	10	90	370	18	--
9	2S5A5h1b	Soni kheda IIIrd	80.5	232	38	350	370	15	--
10	2A5A5g3c	Kodari	78.2	224	37	340	365	16	--
		Total	670	1910	320	2900	374.1 Avg.	16.5	--

CHAPTER-3

BASELINE SURVEY AND PARTICIPATORY RURAL APPRAISAL

3.1: Social-Economic Analysis:

IWMP-I watershed project has a total of 1132 household with a population of 12055 (as per base-line survey) out of which 6591 are male and 5464 female. The sex ratio is 928 female to 1000 male. There are 593 BPL families. The detail of population in each micro-watershed is given below:-

Table 3.1: Demographic Features in Project Area

S.No.	Micro Watershed Code	Name of Micro Watershed	Total Population			Population of SC/ST		
			Total	Male	Female	Total	Male	Female
1	2	3	4	5	6	7	8	9
1	2C5A5i3d	Gharhi kareempur	773	437	336	139	80	59
2	2C5A5g1e	Nasoua	1682	889	793	195	116	79
3	2C5A5i3f	Basai Jagner	2445	1324	1121	938	520	418
4	2C5A5g3d	Shahganj	2342	1366	976	803	453	350
5	2C5A5g1g	Singrawali	1116	645	471	261	143	118
6	2C5A5g1f	Karhaki	409	230	179	193	107	86
7	2C5A5g3b	Soni kheda Ist	382	197	185	68	38	30
8	2S5A5h1a	Soni kheda IIInd	418	215	203	98	53	45
9	2S5A5h1b	Soni kheda IIIrd	1052	550	502	295	152	143
10	2A5A5g3c	Kodari	1436	738	698	213	107	106
		Total	12055	6591	5464	3203	1769	1434

3.2: Land Holding Pattern:

The average land holding is about 0.59 ha with lack of irrigation source, so it forces the majority of the farmers to migrate to ensure their livelihood. This affects the demographic profile of the watershed directly.

Table 3.2: Details of land holding pattern

S. No.	Code of MWS	Name of MWS	Type of Farmers					Households	BPL households	Land holding (ha)		
			LF	SF	MF	LL	Total	nos	nos	Irrigated	Rainfed	Total
1	2	3	4	5	6	7	8	9	10	12	13	14
1	2C5A5i3d	Gharhi kareempur	8	19	322	38	387	86	46	38	115	153
2	2C5A5g1e	Nasoua	12	342	655	68	1077	239	82	81	244	325
3	2C5A5i3f	Basai Jagner	4	154	613	89	860	191	107	151	300	451
4	2C5A5g3d	Shahganj	13	196	689	91	989	220	109	153	327	480
5	2C5A5g1g	Singrawali	10	70	465	51	596	132	61	72	218	290
6	2C5A5g1f	Karhaki	6	84	314	61	465	103	73	78	236	314
7	2C5A5g3b	Soni kheda Ist	3	10	27	4	44	10	5	17	40	57
8	2S5A5h1a	Soni kheda IIInd	2	11	30	17	60	13	20	24	73	97
9	2S5A5h1b	Soni kheda IIIrd	4	86	95	30	215	48	36	109	328	437
10	2A5A5g3c	Kodari	11	100	244	45	400	89	54	105	319	424
			73	1072	3454	494	5093	1132	593	828	2200	3028

Migration:

People migrate during summer season to different parts of the state like Agra, Kanpur and Delhi as daily wages, agricultural and construction labourers. The details are given below:

Table 3.3: Details of Migration: Pre Project status

S.No.	Code of MWS	Name of MWS	Total population	Migration			Migration by Months			Main reason for migration	Occupation during migration	Income during migration /month
				Total	Male	Female	UP to 3 months	3-6 months	More than 6 months			
1	2	3	4	5	6	7	8	9	10	11	12	13
1	2C5A5i3d	Gharhi kareempur	773	55	42	13	6	10	9	Lack of Employment opportunity	Service/ labour	2500-3000
2	2C5A5g1e	Nasoua	1682	56	46	10	5	14	13		Service/ labour	"
3	2C5A5i3f	Basai Jagner	2445	93	78	15	20	50	30		Service/ labour	"
4	2C5A5g3d	Shahganj	2342	98	70	28	17	40	25		Service/ labour	"
5	2C5A5g1g	Singrawali	1116	53	35	18	11	13	10		Service/ labour	"
6	2C5A5g1f	Karhaki	409	29	20	9	5	11	14		Service/ labour	"
7	2C5A5g3b	Soni kheda Ist	382	22	15	7	2	3	0		Service/ labour	"
8	2S5A5h1a	Soni kheda IIrd	418	36	28	8	5	12	12		Service/ labour	"
9	2S5A5h1b	Soni kheda IIIrd	1052	50	30	20	10	28	4		Service/ labour	"
10	2A5A5g3c	Kodari	1436	52	42	10	13	32	7		Service/ labour	"
			12055	544	406	138	94	213	124			

Table 3.4: Details of Village Infrastructure

S.No.	Name of villages	Pakka Road	Electricity availability	Primary School	Jr. high School	Inter college	Post Office.	P.H.C.	Bank	Veterinary hospital	Co-op. Society	Market	Agri. Service centre.
1	Karhaki	√	√	√	√	6 km.	2 km.	2 km.	6 km	6 km	6 km	6 km	16 km.
2	Singrawali	√	√	√	√	9 km.	3 km.	3 km.	9 km	9 km	9 km	9 km	19 km.
3	Shahganj	√	√	√	1 km	10 km.	3 km.	3 km.	10km	10km	10km	10km	19 km.
4	Basai Jagner	√	√	√	√	6 km.	√	√	6 km	6 km	6 km	6 km	16 km.
5	Garhi kareempur	√	√	√	1 km.	1 km.	1 km.	1 km.	1 km	1 km	1 km	1 km	13 km.
6	Nasaua	√	√	√	√	6 km.	√	√	6 km	6 km	6 km	6 km	16 km.
7	Kodari	√	√	√	2 km.	10 km.	4 km.	4 km.	10km	10km	10km	10km	20 km.
8	Soni Khera	√	√	√	√	10 km	4 km.	4 km.	10km	10km	10km	10km	20 km.

Table 3.5: Soil Texture

S.No.	MWS code	Name of MWS	Area in different Soil Group (ha)			Other Specify
			Light textured soil (sand, loamy sand)	Medium textured soil (sandy loam, loam, silt loam)	Heavy textured soil (Clay loam)	
1	2C5A5i3d	Gharhi kareempur	9	35	71	----
2	2C5A5g1e	Nasoua	7	90	147	----
3	2C5A5i3f	Basai Jagner	10	55	235	----
4	2C5A5g3d	Shahganj	16	127	184	----
5	2C5A5g1g	Singrawali	20	82	116	----
6	2C5A5g1f	Karhaki	10	80	146	----
7	2C5A5g3b	Soni kheda Ist	5	10	25	----
8	2S5A5h1a	Soni kheda IInd	3	25	45	----

9	2S5A5h1b	Soni kheda IIIrd	15	138	175	----
10	2A5A5g3c	Kodari	16	133	170	----
		Total	111	775	1314	2200

3.4: Crops & Productivity:

Table 3.6: Productivity and Production

S.No.	Crop	Area		Productivity		Production (Q)		Fodder/Fuel/	
		(ha)		(Q/ha)		Grain/Main product		Other Product. (Q)	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
A	Kharif								
1	Rice	30	38	30	15	900	570	900	570
2	Maize	18	135	25	10	450	1350	900	2700
3	Arhar	40	82	12	5	480	410	1440	4320
4	Urd/Moong	200	675	10	6	2000	4050	4000	8100
5	Sorghum	120	570	12	7	1440	3990	60000	142500
	Total	408	1500			5270	10370	67240	158190
B	Rabi								
1	Wheat	246	200	25	10	6150	2000	7688	2500
2	Masoor	123	425	11	7	1353	2975	2706	5950
3	Gram	75	95	10	5	750	475	1500	950
4	Mustard/Til	102	108	10	5	1020	540	2040	1080
	Total	546	828			9273	5990	13934	10480
C	Zaid								
1	Urd	42	90	8	4	336	360	1344	1440
2	Moong	10	12	8	4	80	48	320	192
	Total	52	102			416	408	1664	1632
	Net Cultivable Area	3028		Cropping Intensity	113%				

Table 3.7: Horticulture Status

S. No.	Code of MWS	Name of MWS	Name of Important horticultural crop							
			Whole Fruit Crop				Scattered Fruit Crop			
			Name	Area (ha)	Productivity(qtl/ha)	Production(qtl)	Name	Area(ha)	Productivity(qtl/ha)	Production(qtl)
1	2	3	4	5	6	7	8	9	10	11
1	2C5A5i3d	Gharhi kareempur	--	--	--	--	Lemon	4.83	40	193.2
							Anola	3.22	75-80	247.94
2	2C5A5g1e	Nasoua	--	--	--	--	Lemon	10.248	40	409.92
							Anola	7.2	75-80	554.4
3	2C5A5i3f	Basai Jagner	--	--	--	--	Lemon	14	40	560
							Anola	7	75-80	539
4	2C5A5g3d	Shahganj	--	--	--	--	Lemon	13	40	520
							Anola	9	75-80	693
5	2C5A5g1g	Singrawali	--	--	--	--	Lemon	9	40	360
							Anola	6	75-80	462
6	2C5A5g1f	Karhaki	--	--	--	--	Lemon	10.52	40	420.8
							Anola	6.1	75-80	469.7
7	2C5A5g3b	Soni kheda Ist	--	--	--	--	Lemon	1.8	40	72
							Anola	0.8	75-80	
8	2S5A5h1a	Soni kheda IIInd	--	--	--	--	Lemon	4.11	40	164.4
							Anola	1	75-80	77
10	2A5A5g3c	Kodari	--	--	--	--	Lemon	14.22	40	568.8
							Anola	8.55	75-80	658.35
						Total		130.598		6970.51

3.5: Live Stock:

The details of live stock and its productivity are given in Table 3.8 & 3.9.

Table 3.8: Details of Livestock Population

S. No.	Code of MWS	Name of MWS	Cow		Buffalo		Ox/ Bull	Goat	Sheep	Piggeries	Poultry			Other specify
			Desi	Crossed	Desi	Murrah					Broiler	Layers	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2C5A5i3d	Gharhi kareempur	12	2	72	8	4	65	--	--	--	25	25	-
2	2C5A5g1e	Nasoua	8	2	65	30	4	22	375	--	--	18	18	-
3	2C5A5i3f	Basai Jagner	80	11	65	36	12	26	--	10	500	22	522	-
4	2C5A5g3d	Shahganj	141	20	199	16	8	13	--	14	1000	40	1040	-
5	2C5A5g1g	Singrawali	57	11	154	16	6	5	--	--	--	25	25	-
6	2C5A5g1f	Karhaki	15	2	104	11	8	82	--	--	--	12	12	-
7	2C5A5g3b	Soni kheda Ist	42	1	90	15	6	50	60	--	--	12	12	-
8	2S5A5h1a	Soni kheda IIInd	62	2	132	20	6	90	90	--	--	24	24	-
9	2S5A5h1b	Soni kheda IIIrd	160	2	235	25	150	170	12	14	1200	20	1220	-
10	2A5A5g3c	Kodari	75	2	301	25		160	75	--	--	12	12	-
	Total		652	55	1417	202	204	683	612	24	2700	210	2910	0

Table.3.9: Details of Livestock Productivity

S.No.	Name & Code of MWS	Name of Village	Milk Production(Liter/day/animal)				Goatry	Poultry		Piggeries
			Cows		Buffalos		Weight	Broiler Weight	Layers	Weight
			Desi	Crossed	Desi	Murrah				
1	2	3	4	5	6	7	8	9	10	11
1	2C5A5i3d	Gharhi kareempur	2	5	3	10	10-12	0	13	0
2	2C5A5g1e	Nasoua	2	8	3	11	10-12	0	9	0
3	2C5A5i3f	Basai Jagner	2	6	3	11	10-12	1.5-2.00	11	15-20
4	2C5A5g3d	Shahganj	3	5	3	12	10-12	1.5-2.00	20	15-20
5	2C5A5g1g	Singrawali	2	5	3	12	10-12	0	13	0

6	2C5A5g1f	Karhaki	2	6	3	10	10-12	0	6	0
7	2C5A5g3b	Soni kheda Ist	3	5	3	12	10-12	0	6	0
8	2S5A5h1a	Soni kheda IIInd	2	5	3	12	10-12	0	12	0
9	2S5A5h1b	Soni kheda IIIrd	2	6	3	10	10-12	1.5-2.00	10	15-20
10	2A5A5g3c	Kodari	2	5	3	12	10-12	0	6	0
		Avg.	3	8	4	16	--	--	99	--

3.6: Livelihood Status:

The details of livelihood status of landless/assetless people and Present (for Farmers & others) are given below-

Table 3.10: Details of Livelihood Status of Landless/Assetless people (Pre Project status)

S.No.	Code of MWS	Name of MWS	Name of Livelihood Activity	No. of house hold engaged				Pre project	Desired Activities	Expected Income from desired activities	Remarks
				SC/ST	Other	Women	Total	Avg. Income/Year			
1	2	3	4	5	6	7	8	9	10	11	12
1	2C5A5i3d	Gharhi kareempur	Labour	7	12	19	38	19850	Improvement of Livelihood through Micro Enterprises, Animal Husbandry Etc.	>15-20%	
2	2C5A5g1e	Nasoua		18	25	25	68	18650		>15-20%	
3	2C5A5i3f	Basai Jagner		28	35	26	89	17500		>15-20%	
4	2C5A5g3d	Shahganj		18	42	31	91	20290		>15-20%	
5	2C5A5g1g	Singrawali		15	21	15	51	17150		>15-20%	
6	2C5A5g1f	Karhaki		16	24	21	61	18500		>15-20%	
7	2C5A5g3b	Soni kheda Ist		2	--	2	4	19075		>15-20%	
8	2S5A5h1a	Soni kheda IIInd		7	2	8	17	20650		>15-20%	
9	2S5A5h1b	Soni kheda IIIrd		10	5	15	30	21000		>15-20%	
10	2A5A5g3c	Kodari		15	11	19	45	19750		>15-20%	
		Total		136	177	181	494				

Table 3.11: Details of Livelihood Status Other Farmers

S.No.	Code of MWS	Name of MWS	Name of Livelihood Activity	No. of house hold engaged				Pre project	Desired Activities	Expected Income from desired activities	Remarks
				SC/ST	Other	Women	Total	Avg. Income/Year			
1	2	3	4	5	6	7	8	9	10	11	12
1	2C5A5i3d	Gharhi kareempur	Agriculture, Animal Husbandry	52	279	17	349	67500	Improvement of Livelihood through- Crop Demonstration, Horticulture, A/H, Agro Processing, Micro Enterprise Etc. A/H, Agro Processing, Micro Enterprise Etc.	>15-20%	---
2	2C5A5g1e	Nasoua		151	807	50	1009	3250		>15-20%	---
3	2C5A5i3f	Basai Jagner		116	617	39	771	33670		>15-20%	---
4	2C5A5g3d	Shahganj		135	718	45	898	43280		>15-20%	---
5	2C5A5g1g	Singrawali		82	436	27	545	28900		>15-20%	---
6	2C5A5g1f	Karhaki		61	323	20	404	31600		>15-20%	---
7	2C5A5g3b	Soni kheda Ist		6	32	2	40	26800		>15-20%	---
8	2S5A5h1a	Soni kheda IIInd		6	34	2	43	32500		>15-20%	---
9	2S5A5h1b	Soni kheda IIIrd		28	148	9	185	43800		>15-20%	---
10	2A5A5g3c	Kodari		53	284	18	355	26900		>15-20%	---
		Total		690	3679	230	4599	---	---	---	---

Table 3.12: Details of Present Livelihood Status

S. No.	Micro watershed code	Name of Micro watershed	Activities																			
			Dairy		Poultry		Goatry		Piggeries		Fisheries		Black Smithy		Carpentry		Stitching/ knitting		Wages		Others(Specify)	
			No	Avg income	No	Avg income	No	Avg income	No	Avg income	No	Avg income	No	Avg income	No	Avg income	No	Avg income	No	Avg income	No	Avg income
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	2C5A5i3d	Gharhi kareempur	94	18500	25	108	65	3500	0	0	1	30000	18	30000	14	8000	26	12000	25	16500	--	--
2	2C5A5g1e	Nasoua	105	18500	18	108	22	3500	0	0	2	30000	16	30000	20	8000	30	12000	51	16800	--	--
3	2C5A5i3f	Basai Jagner	192	18500	522	150+108	26	3500	10	4000	2	30000	24	30000	14	8000	21	12000	61	15900	--	--
4	2C5A5g3d	Shahganj	376	18500	1040	150+108	13	3500	0	0	3	30000	23	30000	26	8000	14	12000	65	14800	--	--
5	2C5A5g1g	Singrawali	238	18500	25	108	5	3500	0	0	3	30000	11	30000	24	8000	15	12000	32	16800	--	--
6	2C5A5g1f	Karhaki	132	18500	12	108	82	3500	0	0	2	30000	6	30000	8	8000	19	12000	33	15900	--	--
7	2C5A5g3b	Soni kheda Ist	148	18500	12	108	50	3500	0	0	1	30000	5	30000	6	8000	15	12000	4	16600	--	--
8	2S5A5h1a	Soni kheda IIInd	216	18500	24	108	90	3500	0	0	2	30000	5	30000	10	8000	20	12000	14	17850	--	--
9	2S5A5h1b	Soni kheda IIIrd	422	18500	1220	150+108	170	3500	14	4000	3	30000	11	30000	20	8000	35	12000	22	14650	--	--
10	2A5A5g3c	Kodari	403	18500	12	108	160	3500	0	0	3	30000	14	30000	12	8000	33	12000	29	17800	--	--
		Total	2326	--	2910	--	683	--	24	--	22	--	133	--	154	--	228	--	494	--	--	--

Table 3.13: Ground Water Status

S.No.	Code of MWS	Name of MWS	Depth of Ground Water Table (Below Ground level) in Meter		No. of Observation wells	Remarks
			Before Monsoon	After Monsoon		
1	2	3	4	5	6	7
1	2C5A5i3d	Gharhi kareempur	14	11	5	---
2	2C5A5g1e	Nasoua	15	12	6	----
3	2C5A5i3f	Basai Jagner	14	11	4	----
4	2C5A5g3d	Shahganj	16	14	5	----
5	2C5A5g1g	Singrawali	13	11	3	----
6	2C5A5g1f	Karhaki	15	13	2	----
7	2C5A5g3b	Soni kheda Ist	12	10	6	----
8	2S5A5h1a	Soni kheda IIInd	14	11	7	----
9	2S5A5h1b	Soni kheda IIIrd	13	10	5	----
10	2A5A5g3c	Kodari	16	14	3	----
		Total	14.2	11.7	46	

Table 3.14: Irrigation Status

S.No.	Micro Watershed code	Name of Micro Watershed	Gross Cultivated Area (ha)				Net Cultivated Area (ha)	Gross Irrigated Area (ha)				Net Irrigated Area (ha)	Rainfed Area (ha)
			Kharif	Rabi	Zaid	Total		Kharif	Rabi	Zaid	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	2C5A5i3d	Gharhi kareempur	86	58	12	156	153	20	38	5	63	38	115
2	2C5A5g1e	Nasoua	185	129	15	329	325	41	81	4	126	81	244
3	2C5A5i3f	Basai Jagner	222	165	20	407	451	78	151	3	232	151	300
4	2C5A5g3d	Shahganj	165	124	20	309	480	76	153	3	232	153	327
5	2C5A5g1g	Singrawali	182	135	13	330	290	35	72	4	111	72	218

S.No.	Micro Watershed code	Name of Micro Watershed	Gross Cultivated Area (ha)				Net Cultivated Area (ha)	Gross Irrigated Area (ha)				Net Irrigated Area (ha)	Rainfed Area (ha)
			Kharif	Rabi	Zaid	Total		Kharif	Rabi	Zaid	Total		
6	2C5A5g1f	Karhaki	197	146	14	357	314	36	78	7	121	78	236
7	2C5A5g3b	Soni kheda Ist	35	24	11	70	57	8	17	4	29	17	40
8	2S5A5h1a	Soni kheda IIInd	60	45	12	117	97	11	24	4	39	24	73
9	2S5A5h1b	Soni kheda IIIrd	274	205	19	498	437	52	109	9	170	109	328
10	2A5A5g3c	Kodari	266	198	18	482	424	51	105	9	165	105	319
			1672	1229	154	3447	3028	408	828	52	1288	828	2200

Table 3.15: Irrigation Area (source wise)

S. No.	Micro Watershed code	Name of Micro Watershed	Canal Area	State Tube wells		Tanks		Open well		Bore wells		Lift irrigation		Others		Total Irrigated Area	Remarks
				No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	2C5A5i3d	Gharhi kareempur	0	0	0	0	0	0	0	12	37.9	0		0		38	
2	2C5A5g1e	Nasoua	0	0	0	0	0	0	0	26	80	0	0	0	0	81	
3	2C5A5i3f	Basai Jagner	0	0	0	0	0	0	0	19	108	3	44	0	0	151	
4	2C5A5g3d	Shahganj	0	0	0	0	0	9	14	29	104	0	0	3	35	153	
5	2C5A5g1g	Singrawali	0	0	0	0	0	6	16	16	49	0	0	2	7	72	
6	2C5A5g1f	Karhaki	0	0	0	0	0	5	10	9	63	0	0	1	5	78	

7	2C5A5g3b	Soni kheda Ist	0	0	0	0	0	2	5	3	12	0	0	0	0	17	
8	2S5A5h1a	Soni kheda IIInd	0	0	0	0	0	3	5	5	19	0	0	0	0	24	
9	2S5A5h1b	Soni kheda IIIrd	0	0	0	0	0	15	30	42	78	0	0	0	0	108	
10	2A5A5g3c	Kodari	0	0	0	0	0	8	17	40	88	0	0	0	0	105	
		Total	0	0	0	0	0	48	98	201	639	3	44	6	47	828	

CHAPTER-4

INSTITUTIONAL BUILDING AND PROJECT MANAGEMENT

4.1: Project Implementing Agency

The Project Implementing Agencies (PIA) is selected by state level Nodal Agency (SLNA) for Integrated Watershed Management Programme (IWMP) in Agra District of U.P. The PIA is responsible for implementation of Watershed Program. The PIA for IWMP in Agra District is Bhoomi Sanrakshan Adhikari (BSA), Land Development & Water Resources..

Table 4.1: Details of Project Implementing Agency (PIA)

S. No.	Particulars of PIA	
1	2	3
(i)	Date of selection of PIA	28.05.2010
(ii)	Type of organization	Line Dept.
(iii)	Name of organization	Dept. of Land Development & Water Resources
(iv)	Designation & Address	Deptt of Bhumi Samrakshan Adhikari
(v)	Telephone/Mob.No.	05622-4005958
(vi)	E-mail	Bsaldwrag.up@nic.in

Table 4.2: Details of Staff at PIA

S.No.	Name	M/F	Designation	Qualification	Field of Experience & Period	Roll/Function
1	2	3	4	5	6	7
1	Mr. Mahesh Chandra	M	BSA	Intermediate, Civil Engg. Diploma.	--	PI, Watershed Management
2	Mr. Durgesh Puri	M	JE	Intermediate, Civil Engg. Diploma.	--	Watershed Management
3	Mr. Ghanshyam Singh	M	"	"	--	"
4	Mr. Ram Naresh	M	Accountant	B.Com	--	"
5	Mr. Upendra Singh	M	Draftsman	M.A., Diploma in Draftsman	--	"
6	Mr. Ramesh Chandra	M	"	B.A.	--	"
7	Mr. Dinesh Chandra	M	A.S.C.I.	M.Sc. Ag.	--	"
8	Mr. Gyan Prakash Sharma	M	"	"	--	"
9	Mr. Hari Ram	M	Irrigation Sup.	Intermediate	--	"
10	Mr. Narendra Prakash	M	"	Intermediate	--	"
11	Mr. Ashok kumar	M	"	Intermediate	--	"
12	Mr. Vijay Singh	M	"	M.A.	--	"
13	Mr. Magan Bihari	M	"	B.A.	--	"
14	Mr. Prashant Mohan	M	"	Intermediate	--	"
15	Mr. Jagveer Singh	M	"	Intermediate	--	"
16	Mr. Mahesh Chandra	M	"	Intermediate	--	"
17	Mr. Mahesh Babu	M	"	B.A.	--	"
18	Mr. Vinit Kumar Tiwari	M	"	B.Sc. (Ag)	--	"

Table 4.3: Details of Watershed Development Team (WDT)

S. NO.	Name	M/F	Designation	Qualification	Field of Experience & Period	Roll/Function
1	2	3	4	5	6	7
1	Shri Durgeshpuri	M	J.E.	Diploma in Eng.	15 years	Soil & Water Management
2	Shri Ghanshyam Singh	M	J.E.	B.Sc., Ag. Engg. Dip.	17 years	Soil & Water Conservation
3	Shri Vinod Kumar	M	WDT Member	B.Sc.	01 years	Water Management
4	Shri Jaiveer Singh	M	WDT Member	B.Sc.(Ag.)	01 years	Soil Science
5	Smt. Ratnesh Gupta	F	WDT Member	M.A.	03 years	Social Science
6	Shri Ravi Kumar	M	WDT Member	Diploma in Civil Eng.	01 years	Water Management
7	Shri Dinesh Kumar Verma	M	WDT Member	B.Sc.(Ag.)	01 years	Agronomy Expert

Table 4.4: Details of Watershed Committee (WC)

S.No.	Name of MWS/GP	Name/ Father or Husband's name	Designation	M/F	SC/ST/ Others	SF/MF/ LF/LL	UG/ SHG / GP / Other	Educational qualification
1	Ghaskata	Smt. Shila Devi	President	F	Others	MF	UG	8th
		Kulveer	Secretary	M	Others	SF	UG	Inter
		Lakhan Singh	Member	M	Others	LF	UG	literate
		Mahesh Chandra	Member	M	Others	SF	UG	M.Sc. Ag.
		Dharmveer	Member	M	Others	SF	UG	Inter
		Hakim Singh	Member	M	Others	SF	UG	literate
		Megh Singh	Member	M	Others	SF	UG	literate
		Smt. Suman	Member	F	Others	SF	SHG	Inter
		Sunil Singh	Member	M	Others	SF	SHG	Inter
		Smt. Golo	Member	F	SC	MF	SHG	literate
		Balchandra	Member	M	SC	MF	SHG	literate
		Smt. Maya	Member	F	SC	MF	SHG	literate
		Smt. Omvati	Member	F	SC	LL	GP	literate

S.No.	Name of MWS/GP	Name/ Father or Husband's name	Designation	M/F	SC/ST/ Others	SF/MF/ LF/LL	UG/ SHG / GP / Other	Educational qualification
2	Basai Jagner Tantpur	Govind Singh	Member	M	Others	LL	UG	literate
		Smt. Guddi Devi	President	F	Others	SF	GP	8th
		Santosh Sharma	Secretary	M	Others	MF	UG	8th
		Smt. Maya Devi	Member	F	Others	SF	GP	literate
		Kamal Singh	Member	M	Others	SF	GP	literate
		Poonam	Member	F	SC	LL	SHG	literate
		Sujit	Member	M	Others	SF	GP	literate
		Jitendra Kumar	Member	M	Others	SF	GP	literate
		Ghurelal	Member	M	SC	MF	GP	literate
		Naimi Singh	Member	M	SC	LF	GP	literate
		Anil	Member	M	Others	SF	UG	Graduate
		Rameswar jadaun	Member	M	Others	SF	UG	H.Sc.
		Yogendra Kumar	Member	M	Others	MF	UG	Inter
		Laxmiraj Singh	Member	M	Others	MF	UG	Graduate
		Aniruddh Pratap Singh	Member	M	Others	SF	UG	Graduate
3	Basai Jagner	Lalchandra	Member	M	SC	SF	UG	literate
		Rajendra Prasad	President	M	Others	LF	UG	H.Sc.
		Hridyesh Sharma	Secretary	M	Others	SF	UG	Graduate
		Mahesh Goel	Member	M	Others	LF	UG	M.Sc.
		Munna Singh Parmar	Member	M	Others	LF	UG	Graduate
		Niranjan Singh	Member	M	Others	MF	UG	H.Sc.
		Smt. Sunita	Member	F	Others	SF	SHG	8th
		Smt. Ram beti	Member	F	SC	LL	SHG	literate
		Gangaram	Member	M	Others	SF	UG	H.Sc.
		Smt. Mithilesh	Member	F	Others	SF	GP	5th
		Smt. Shamiyat	Member	F	Others	LL	GP	literate
		Smt. Phoola	Member	F	SC	MF	GP	literate
		Smt. Asha	Member	F	Others	SF	GP	literate

S.No.	Name of MWS/GP	Name/ Father or Husband's name	Designation	M/F	SC/ST/ Others	SF/MF/ LF/LL	UG/ SHG / GP / Other	Educational qualification
		Smt. Ganga Singh	Member	F	Others	SF	GP	literate
		Smt. Meera Devi	Member	F	Others	LL	SHG	literate
		Smt. Rambai	Member	F	SC	LL	GP	Literate
4	Sonikhera	Smt. Tarawati	President	F	SC	LL	UG	5th
		Madhav	Secretary	M	Others	LL	UG	Inter
		G.P.Sharma	Member	M	Others	MF	UG	M.Sc.
		Sualal	Member	M	Others	SF	SHG	8th
		Omi	Member	M	Others	SF	SHG	H.Sc.
		Udaibhan	Member	M	SC	SF	SHG	H.Sc.
		Dhanpal	Member	M	SC	LL	SHG	Inter
		Rajveer	Member	M	Others	MF	SHG	8th
		Smt. Lilawati	Member	F	SC	LL	SHG	5th
		Shyodan	Member	M	Others	MF	GP	5th
		Shyam	Member	M	Others	MF	UG	8th
		Kanhaiya	Member	M	Others	SF	UG	8th
		Mahendra	Member	M	Others	LF	UG	8th
		Bhikam	Member	M	SC	LF	UG	8th
		Ramveer	Member	M	Others	LL	SHG	H.Sc.
5	Sigrawali	Girja Singh	President	M	Others	LL	GP	Inter
		Smt. Anita	Secretary	F	SC	LL	GP	literate
		Suresh Babu	Member	M	SC	SF	GP	H.Sc.
		Umesh Chandra	Member	M	Others	MF	UG	Inter
		Smt. Sheela	Member	F	Others	LL	GP	literate
		Sitaram	Member	M	SC	SF	GP	literate
		Murari	Member	M	Others	SF	GP	literate
		Sawai Singh	Member	M	Others	LF	UG	literate
		Santosh	Member	M	Others	MF	GP	H.Sc.

S.No.	Name of MWS/GP	Name/ Father or Husband's name	Designation	M/F	SC/ST/ Others	SF/MF/ LF/LL	UG/ SHG / GP / Other	Educational qualification
		Ram Prasad	Member	M	Others	MF	UG	literate
		Smt. Indu	Member	F	SC	LL	SHG	Illiterate
		Smt. Lajja	Member	F	SC	LL	SHG	Illiterate
		Satya Prakash	Member	M	Others	LL	SHG	Inter
		Dayalu	Member	M	SC	SF	UG	8th

- M- Male, F- Female, SF- Small Farmer, MF- Marginal Farmer, LF- Large Farmer, LL- Landless, GP- Gram Panchayat, UG – User Group, SHG- Self help group

4.2: User Group (UG)

User Groups are formed to manage an activity or asset created under the programme on a long term basis. The user groups will collect user charges from their members, oversee the works, manage the CPRs and benefits.

Table 4.5: Details of User Groups

S. No.	WSHD_Code	Code of User Group	Name of Gram Pnchyat	Total No. of Members	Name of Bank & Address	A/c No. & Date	Upto date saving	Group Activity	Status of Agreement
1	2C5A5g1e	WHB01	Basai Jagner	18	OBC Bank, Sikandra Agra	-	-	-	-
2	2C5A5g1e	WHB02	Basai Jagner	11	OBC Bank, Sikandra Agra	-	-	-	-
3	2C5A5g1e	WHB03	Basai Jagner	7	OBC Bank, Sikandra Agra	-	-	-	-
4	2C5A5g1f	WHB01	Basai Jagner	1	OBC Bank, Sikandra Agra	-	-	-	-
5	2C5A5g1f	WHB02	Basai Jagner	2	OBC Bank, Sikandra Agra	-	-	-	-
6	2C5A5g1f	WHB03	Basai Jagner	10	OBC Bank, Sikandra Agra	-	-	-	-
7	2C5A5g1f	WHB04	Basai Jagner	4	OBC Bank, Sikandra Agra	-	-	-	-
8	2C5A5g1f	WHB05	Basai Jagner	6	OBC Bank, Sikandra Agra	-	-	-	-
9	2C5A5g1f	WHB06	Basai Jagner	20	OBC Bank, Sikandra Agra	-	-	-	-
10	2C5A5g1f	WHB07	Basai Jagner	10	OBC Bank, Sikandra Agra	-	-	-	-
11	2C5A5g1g	WHB01	Basai Jagner	21	OBC Bank, Sikandra Agra	-	-	-	-
12	2C5A5g1g	WHB02	Basai Jagner	17	OBC Bank, Sikandra Agra	-	-	-	-
13	2C5A5g1g	WHB03	Singrawali	16	OBC Bank, Sikandra Agra	-	-	-	-

14	2C5A5g1g	WHB04	Singrawali	14	OBC Bank, Sikandra Agra	-	-	-	-
15	2C5A5g1g	WHB05	Singrawali	20	OBC Bank, Sikandra Agra	-	-	-	-
16	2C5A5g1g	WHB06	Basai Jagner	12	OBC Bank, Sikandra Agra	-	-	-	-
17	2C5A5g1g	WHB07	Basai Jagner	22	OBC Bank, Sikandra Agra	-	-	-	-
18	2C5A5g3c	CD01	Basai Jagner	12	OBC Bank, Sikandra Agra	-	-	-	-
19	2C5A5g3c	WHB01	Basai Jagner	12	OBC Bank, Sikandra Agra	-	-	-	-
20	2C5A5g3d	CD01	Singrawali	13	OBC Bank, Sikandra Agra	-	-	-	-
21	2C5A5g3d	WHB01	Singrawali	13	OBC Bank, Sikandra Agra	-	-	-	-
22	2C5A5g3d	WHB02	Basai Jagner	6	OBC Bank, Sikandra Agra	-	-	-	-
23	2C5A5g3d	WHB03	Basai Jagner	16	OBC Bank, Sikandra Agra	-	-	-	-
24	2C5A5g3d	WHB04	Basai Jagner	23	OBC Bank, Sikandra Agra	-	-	-	-
25	2C5A5g3d	WHB06	Soni Kheda	24	OBC Bank, Sikandra Agra	-	-	-	-
26	2C5A5g3d	WHB07	Soni Kheda	15	OBC Bank, Sikandra Agra	-	-	-	-
27	2C5A5h1b	CD01	Soni Kheda	18	OBC Bank, Sikandra Agra	-	-	-	-
28	2C5A5i3d	WHB01	Ghaskata	17	OBC Bank, Sikandra Agra	-	-	-	-
29	2C5A5i3d	WHB02	Basai Jagner	12	OBC Bank, Sikandra Agra	-	-	-	-
30	2C5A5i3f	WHB01	Basai Jagner	7	OBC Bank, Sikandra Agra	-	-	-	-
31	2C5A5i3f	WHB02	Basai Jagner	15	OBC Bank, Sikandra Agra	-	-	-	-
32	2C5A5i3f	WHB03	Basai Jagner	12	OBC Bank, Sikandra Agra	-	-	-	-
33	2C5A5i3f	WHB04	Basai Jagner	11	OBC Bank, Sikandra Agra	-	-	-	-
34	2C5A5i3f	WHB05	Basai Jagner	17	OBC Bank, Sikandra Agra	-	-	-	-
35	2C5A5i3f	WHB06	Basai Jagner	10	OBC Bank, Sikandra Agra	-	-	-	-
36	2C5A5i3f	WHB07	Basai Jagner	9	OBC Bank, Sikandra Agra	-	-	-	-
37	2C5A5i3f	WHB09	Basai Jagner	11	OBC Bank, Sikandra Agra	-	-	-	-
38	2C5A5i3f	WHB11	Basai Jagner	13	OBC Bank, Sikandra Agra	-	-	-	-
39	2C5A5i3f	WHB12	Basai Jagner	19	OBC Bank, Sikandra Agra	-	-	-	-

4.3: Self Help Group (SHG)

Self help group is motivated homogenous group organized through credit and thrift activities. Self help group especially for women help and uplift their livelihood. Generally self help group formed for the landless/assetless, SC/ST and women.

Table 4.6: Details of Self Help Groups

S. No.	Code of MWS	Name of MWS	Name of SHG	Date of Constitution	Name of President	Name of Secretary	Total No. of Members				Bank/Adress & A/c No	Saving	Group Activity
							Women	SC/ST	Others	Total			
1	2C5A5i3d	Gharhi kareempur	1. Shri Balaji S.H.G.	--	Smt. Suman W/o Shri Netrapal	Sri Naresh	4	--	8	12	Canara Bank	2400	Dairy
			2. Maa Bhagwati S.H.G.	--	Shri Suneel Singh S/o Shri Gaj Singh	Sri Santosh	3		9	12	--	2400	Seed production
			3. Shiv Shankar S.H.G.	--	Smt. Mala	Sri Satyaveer	8	4		12	--	2400	Goatry
			4. Maa Bhagwati S.H.G.	--	Sri Dalchandra	Smt. Manju	9	3	--	12	--	1200	„
			5. Jay Mata Di S.H.G.	--	Sri Ram Chandra	Sri Charan Singh	--	12		12	--	1200	Dairy
2	2C5A5g1e	Nasoua	1. Jagatupura S.H.G.	--	Shri Raghuraj S/o Shri Ram Singh	Sri Charan Singh	1		11	12	--	1200	Dairy
			2. Shri Goverdhan S.H.G.	--	Shri Naki Chandra S/o Shri Sukhram	Sri Tararaj		12	--	12	--	500	Seed production
			3. Bheem S.H.G.	--	Smt. Rambeti W/o Shri Ram Singh	Smt. Guddi Devi	12		--	12	--	1200	Goatry
			4. Radhe-Radhe S.H.G.	--	Smt. Deoki	Keshav	5	7	--	12	--	1300	Tailoring
			5. Goud S.H.G.	--	Smt. Meera W/o Shri	Smt. Bhuri	12	--	--	12	--	2600	Brush Making

S. No.	Code of MWS	Name of MWS	Name of SHG	Date of Constitution	Name of President	Name of Secretary	Total No. of Members				Bank/Adress & A/c No	Saving	Group Activity
							Women	SC/ST	Others	Total			
					Ram Dayal								
			6. Durga		Smt. Meera	Smt. Omvati	--	2	10	12		5800	
3	2C5A5i3f	Basai Jagner	1. Chamunda S.H.G.	--	Sri Niranjana	Sri Munna Singh			12	12	--	1200	Seed production
			2. Balkhandi Mahadev S.H.G.	--	Shri Munesh W/o Shri Babu Singh	Sri Vijendra	--		12	12	--	1200	Dairy
			3. Kaila devi S.H.G.	--	Sri Sanjay	Sri Devi Singh	4	8	--	12	--	1200	Tailoring
			4. Tantpur S.H.G.	--	Shri Ashok S/o Shri Mohan Lal	Sri Nemi Chandra	10	2	--	12	--	1200	Brush Making
			5. Anandpur S.H.G.	--	Shri Bablu S/o Shri Lohare Singh	Sri Brij Kishore	7	5	--	12	--	1200	Brush Making
			6. Ambika S.H.G.	--	Sri Kamlesh	Smt Sima	12	--	--	12	--	3600	Tailoring
			7. Jai Bhola Baba S.H.G.	--	Sri Sanjay	Sri Nityi Singh	--	--	12	12	--	3600	
			8. Jai Durga Ma S.H.G.	--	Sri Mukesh	Sri Satyprakesh	12	2		14	--	4200	Goatry
			9. Jai Shri Ram S.H.G.	--	Smt Rukmani	Smt Dropati	10			10	--	3000	Tailoring
			10. Bhlo Baba S.H.G.	--	Sri Nerash	Sri Malkhan			12	12	--	3600	Janral Stor
4	2C5A5g3d	Shahganj	1. Parashuram S.H.G.	--	Shri Satyaprakash S/o Shri Siyaram	Sri Bagwan Das	5	8	--	13	--	6500	Dairy
			2. Bheem	--	Smt.	Sri Indri	14	--	--	14	--	1400	Brush

S. No.	Code of MWS	Name of MWS	Name of SHG	Date of Constitution	Name of President	Name of Secretary	Total No. of Members				Bank/Adress & A/c No	Saving	Group Activity
							Women	SC/ST	Others	Total			
			S.H.G.		Kamlesh W/o Shri Hari Vilash								Making
			3. Jai Bhole S.H.G.	--	Shri Umesh Chandra W/o Shri Ram khiladi	Sri Guudu	--	--	12	12	--	500	Dairy
			4. Chamad S.H.G.	--	Shri Kailash Chandra S/o Shri Chiranji lal	Sri Mangal Singh	--	--	12	12	--	500	Seed production
			5. Ganga puri Colony S.H.G.	--	Shri Madan Singh S/o Shri Hari Singh	Sri Satyapal	2	10	--	12	--	500	Stone Ruing
			6.Bori Baba S.H.G	--	Smt Soni Davi	Sri Asha Davi	18	--	--	18		900	Goatry
			7.Sai Baba S.H.G	--	Sri Sasi	SriAnara Davi	10	--	--	10		4000	Dairy
5	2C5A5g1g	Singrawali	1. Samahi giri baba S.H.G.	--	Shri Kailashi S/o Shri Ramji lal	Sri Ram Barosa	--	--	15	15	--	1500	Seeds production
			2. Laxhmi S.H.G.	--	Smt. Kailal W/o Shri Rangi lal	Sri Saroj	12	--	--	12	--	1200	Goatry
			3. Bajrang S.H.G.	--	Sri Santosh	Shri BrajMohan	4	--	8	12	--	6000	Seed production
			4. Jag Dambe S.H.G.	--	Shri Seeta Ram S/o Shri Neksiya	Sri Ran Babu	6	6	--	12	--	1200	Brush Making
			5. Bheem S.H.G.	--	Smt Indra W/o Shri Sikandar	Smt Najma	14	--	--	14	--	1400	„

S. No.	Code of MWS	Name of MWS	Name of SHG	Date of Constitution	Name of President	Name of Secretary	Total No. of Members				Bank/Adress & A/c No	Saving	Group Activity
							Women	SC/ST	Others	Total			
6	2C5A5g1f	Karhaki	1. Bajrang S.H.G.	--	Shri Rajendra Singh S/o Shri Panna lal	Sri Bhim Sain	--	--	12	12	--	6000	Seed production
			2. Durga S.H.G.	--	Sri Ramyni	Sri Nihledai	12	--	--	12	--	6000	Tailoring
			3. Bhole Baba S.H.G.	--	Shri Suresh Chandra S/o foodriya ram	Sri Guudu	--	12	--	12	--	1200	Seed production
			4. Sarswati S.H.G.	--	Shri Pappu S/o Shri Amar singh	Sri Indri	11	1	--	12	--	4200	Tailoring
			5. Gangapur S.H.G.	--	Smt Munni	Smt. Suneeta	14	--	--	14	--	4800	''
7	2C5A5g3b	Soni kheda Ist	1. Jai Shri Ram S.H.G.	--	Shri Charan Singh S/o Madan	--	--	10	4	14	--	1400	Goatry
			2. Shri Krishan S.H.G.	--	Shri Rekh Singh S/o Shri Chob Singh	Smt Gudiya	--	8	4	12	--	1200	''
			3.Durga ma S.H.G	--	Smt Ranu	Smt Nitu	12	--	--	12	--	2400	Tailoring
8	2S5A5h1a	Soni kheda IInd	1. Radha Rani S.H.G.	--	Shri Sualal S/o Shri	--	--	--	15	15	--	1500	Dairy
			2. Shani dev S.H.G.	--	Shri Amar singh S/o Rati Singh	--	--	--	14	14	--	1400	''
			3.Laxmi Bai S.H.G	--	Smt Kamlesh	Smt Mira	12	--	--	12	--	1200	Goatry

S. No.	Code of MWS	Name of MWS	Name of SHG	Date of Constitution	Name of President	Name of Secretary	Total No. of Members				Bank/Adress & A/c No	Saving	Group Activity
							Women	SC/ST	Others	Total			
9	2S5A5h2f	Soni kheda Illrd	1. Jai Bhole S.H.G.	--	Shri Bahadur Singh S/o Shri Madho	--	--	--	14	14	--	1400	"
			2. Sarswati S.H.G.	--	Shri Niranjana S/o Shri Gulaba	--	--	--	16	16	--	1600	"
			3. Jamuna S.H.G.	--	Shri Hari Singh S/o Shri Ram	--	--	--	12	12	--	1200	"
			4. Maa Bhagwati S.H.G.	--	Shri Bhagwan Singh S/o Devi	--	--	--	15	15	--	1500	"
10	2A5A5g3c	Kodari	1. Banke Bihari S.H.G.	--	Shri Hari Om S/o Shri Omkar	Sri Papu	--	--	14	14	--	--	"
			2. Radhika S.H.G.	--	Smt Mamata W/o Shri Ramesh	Smt Munni	16	--	--	16	--	500	"
			3. Bhole S.H.G.	--	Shri Amar S/o Shri Ratiram	Ajay Singh	--	--	13	13	--	500	"
			4. Seeta Ram S.H.G.	--	Shri Ratan S/o Shri	--	--	--	14	14	--	1400	Shop
			5. Jay Maa S.H.G.	--	Shri Durgesh S/o Shri Teja	--	--	--	15	14	--	1400	Dairy
			6. Vikash Singh S.H.G.	--	Shri Rahees S/o Shri Vakeel	--	--	--	16	14	--	500	Shop
			7. Camunda S.H.G.	--	Sri Dhanpal	Sri Udaypal	2	14	--	16	--	6500	Goatry
			Total				271	112	311	707			

Before the formation of SHGs, PRA activities & Group discussions (GDs) is organised with the help of women, which came up with the following observations:-

- a) Lack of proper credit facilities due to low intervention of formal financial credit institutions.
- b) Excessive exploitation of weaker section by money lenders and also Lack of attitude for saving among poor people.
- c) Lack of Knowledge on credit, thrift activity and banking.

With a detailed discussion identified training institutes, NGOs working in the area it was planned to provide capacity building to SHGs to promote livelihood activities with an aim to women empowerment also.

4.4: Convergence in IWMP-I:

Several programmes are running in the areas which are sponsored by State of U.P. & Central Govt of India. Some of them are given below-

Table 4.7: List of State/Central Govt. Schemes

S.No.	Name of Programme	Implementing Agency	Objectives
1	Training Programme	Ag. Department & KVK	Capacity building of the farmers
2	National Horticulture Mission	Horticulture Department	Increasing the area & Productivity of Products under fruits and vegetables
3	MNREGA	Gram Panchayat	To provide 100 days employment work to the villagers to avoid migration
4	Animal Husbandry	U.P. Animal Husbandry Dept.	To improve the productivity of animals.
5	NABARD	Ag. Department	Soil & Water conservation & Watershed Development

Table 4.8: Details of Convergence of IWMP with other Schemes

S.N o.	Code of MWS	Project Cost (Rs.)	Treatable Area (ha.)	Budget (Rs.)	Convergence Amt. (Rs.)	%age	Name of Schemes for Converging with IWMP	Remarks
1	All 10 watersheds	23577842	2900	19488000	4089842	21.00%	MNREGA	For Natural resource management (Soil & Water conservation Structures)

CHAPTER-5

MANAGEMENT ACTION PLAN

The details of Preparatory Phase, Work Phase and Convergence Planning are described in subsequent sections.

5.1: Entry Point Activity (EPA):

Entry point activities are executed with the consent of stake holders and it helps in winning the confidence of the villagers for moving ahead the other programmes of watershed. In total 10 activities are executed in the project area which costed Rs. 13,92,000/-.

Table 5.1: Details of EPA

S.No.	Block	No. of EPA Target	Nos. of EPA undertaken	Name of EPA	Location/ Village	Remarks
1	Jagner	10	10	Brick Road Repairing	Nasaua	
				Link Road	Basai Jagner	
				Link Road	Basai Jagner	Jagatupura majra
				School Boundry wall	Karhaki	
				School Boundry wall	Singrawali	
				Road repairing	Shahganj	
				School Boundry wall repairing	Kodari	
				Kisan Vikas Munch	Sonikheda	
				Kisan Vikas Munch	Sonikheda	
				School Boundry & filling	Sonikheda	

5.2 Work Phase:

Following are the major problems of the watershed:-

- Moisture stress-Drought conditions
- Erosion hazard
- Excess runoff
- Land degradation
- Low fertility of soil
- Ground water depletion/Low ground water table, poor quality of groundwater
- Low cropping intensity
- Lack of technical knowledge
- Lack of irrigation facilities
- Low productivity of crops
- Poor availability of drinking water for human as well as animals
- Overgrazing
- Poor vegetative cover
- Poor/low productive breeds of milch animals
- Lower milk production
- Lack of feed & fodder availability
- Non availability of wood/fuel
- Lack of proper market facilities
- Lack of educational, transportation, medical & health care facilities
- Low wages
- Small land holdings
- Low income of the households
- Lack of employment opportunity
- Migration from the project area

Watershed Development Activities Proposed:

The details of the activities of watershed works are given in Table 5.3.

Table 5.2: Micro Watershed wise details of Watershed Development Activities proposed in IWMP-I

(Cost in Rs)

Particular of Measures/Activities	Unit No./Length/are a ha	2C5A5g1e		2C5A5g1f		2C5A5g1g		2C5A5g3b		2C5A5g3c	
		Qty.	Amt.	Qty.	Amt.	Qty.	Amt.	Qty.	Amt.	Qty.	Amt.
Soil & Water Conservation Measures:											
A. Moisture Conservation Measures:											
1. Field Bund	Ha										
2. Contour Bund (with Sodding)	Ha							21.78	130825	81.1	479365
3. Peripheral Bund (with Sodding)	Ha	15.43	105456	16	113271					20.64	255365
4. Marginal Bund (with Sodding)	Ha										
5. Submergence Bund (with Sodding)	Ha	167.23	1173339	99.53	879629	115.48	729322	32.6	280492	181.11	1011366
6. Earthen Check Dam (with Sodding)	Cum										
7. Check Road Bund (with Sodding)	Ha	27.22	269707	23.76	311214	5.48	261434				
8. Others	Ha	20.98	629489	3.51	105374	7.2	215962	0	0	9.43	3325
Sub Total			2177991		1409488		1206718		411317		1749421
B. Water Resources Development:											
1. Tank/Pond:	Nos										
1a. Water storing capacity	Cum										
1b. Area proposed for irrigation	Ha										
2. Water Harvesting Bundhi	Length/Nos	1388/3	593239	2237/8	802525	2351/11	961479			156/1	53084
2a. Water storing capacity	Cum	75935		52896		51628				4984	

Particular of Measures/Activities	Unit No./Length/are a ha	2C5A5g1e		2C5A5g1f		2C5A5g1g		2C5A5g3b		2C5A5g3c	
2b. Area proposed for irrigation	Ha	151.87		105.79		103.26				9.97	
3. Check Dam	Length/Nos									20/1	399999
1a. Water storing capacity	Cum									4170	
1b. Area proposed for irrigation	Ha									8.34	
4. Others											
Sub Total			593239		802525		961479		0		453083
Agro forestry:											
A. Scattered Plantation	Length mtr	6035	72480	12095	145110	18733	224790	2393	28710	10378	124470
Species:	No. of Plants	2416		4837		7493		957		4149	
B. Block Plantation	Area in ha										
Species:											
Afforestation											
A. Private Land	Area Ha										
Species:											
B. Common Land	Area Ha										
Species:											
Silvi pasture	Area Ha										
A. Species - plants:											
B. Grasses species											
Species :											
Others:											
Sub Total			72480		145110		224790		28710		124470
Grand Total			2843710		2357123		2392987		440027		2326974

Particular of Measures/Activities	Unit No./Length/are a ha	2C5A5g3d		2C5A5h1a		2C5A5h1b		2C5A5i3d		2C5A5i3f	
Soil & Water Conservation Measures:		Qty.	Amt.	Qty.	Amt.	Qty.	Amt.	Qty.	Amt.	Qty.	Amt.
A. Moisture Conservation Measures:											
1. Field Bund	Ha										
2. Contour Bund (with Sodding)	Ha										
3. Peripheral Bund (with Sodding)	Ha	7.83	52873			2.7	54436	12.13	127825		
4. Marginal Bund (with Sodding)	Ha										
5. Submergence Bund (with Sodding)	Ha	255.64	2240211	88.4	638114	208.1	1663444	64.87	501351	176.97	1359499
6. Earthen Check Dam (with Sodding)	Cum	3148.1	135316								
7. Check Road Bund (with Sodding)	Ha	25.97	559935			3.32	102387				
8. Others	Ha	0	0	0	0	0	0	0	0	3.29	98837
Sub Total			2988335		638114		1820267		629176		1458336
B. Water Resources Development:											
1. Tank/Pond:	Nos										
1a. Water storing capacity	Cum										
1b. Area proposed for irrigation	Ha										
2. Water Harvesting Bundhi	Length/Nos	2142/7	810552					1227/2	458331	6272/12	2218542
2a. Water storing capacity	Cum	83050						11296		138766	
2b. Area proposed for irrigation	Ha	166.1						22.59		277.53	
3. Check Dam	Length/Nos	47/2	779998			32/1	480000				
1a. Water storing capacity	Cum	13690				44753					
1b. Area proposed for irrigation	Ha	27.38				89.51					
4. Others											
Sub Total			1590550		0		480000		458331		2218542

Particular of Measures/Activities	Unit No./Length/are a ha	2C5A5g3d		2C5A5h1a		2C5A5h1b		2C5A5i3d		2C5A5i3f	
Agro forestry:											
A. Scattered Plantation	Length mtr	30952	371460	4348	52140	14448	173250	7345	88200	20871	250320
Species:	No. of Plants	12382		1738		5775		2940		8344	
B. Block Plantation	Area in ha										
Species:											
Afforestation											
A. Private Land	Area Ha										
Species:											
B. Common Land	Area Ha										
Species:											
Silvi pasture	Area Ha										
A. Species - plants:											
B. Grasses species											
Species :											
Others:											
Sub Total			371460		52140		173250		88200		250320
Grand Total			4950345		690254		2473517		1175707		3927198

Table 5.3: Gram Panchayat wise details of Watershed Development Activities proposed in IWMP-I

Particular of Measures/Activities	Unit No./Length/area ha	Basai Jagner		Ghaskata		Singrawali		Soni Kheda		Tantpur	
		Qty.	Amt.	Qty.	Amt.	Qty.	Amt.	Qty.	Amt.	Qty.	Amt.
Soil & Water Conservation Measures:											
A. Moisture Conservation Measures:											
1. Field Bund	Ha										
2. Contour Bund (with Sodding)	Ha	50.76	246143					52.12	364047		
3. Peripheral Bund (with Sodding)	Ha	40.34	307695	12.13	127825	7.83	52873	14.43	220833		
4. Marginal Bund (with Sodding)	Ha										
5. Submergence Bund (with Sodding)	Ha	569.66	3964009	61.96	461006	240.9	1953704	417.28	3340600	100.15	757448
6. Earthen Check Dam (with Sodding)	Cum					3148.1	135316				
7. Check Road Bund (with Sodding)	Ha	64.92	975711			17.51	426579	3.32	102387		
8. Others	Ha	43.67	1051755	0	0	0	0	0.75	1232	0	0
Sub Total			6545313		588831		2568472		4029099		757448
B. Water Resources Development:											
1. Tank/Pond:	Nos										
1a. Water storing capacity	Cum										
1b. Area proposed for irrigation	Ha										
2. Water Harvesting Bundhi	Length/Nos	13420/36	5015340	370/1	126227	1466/5	539854	517/2	216331		
2a. Water storing capacity	Cum	353745		5999		35370		23442			
2b. Area proposed for irrigation	Ha	707.49		12		70.74		46.88			
3. Check Dam	Length/Nos	52/2	879998			15/1	299999	32/1	480000		
1a. Water storing capacity	Cum	4170				13690		44753			
1b. Area proposed for irrigation	Ha	8.34				27.38		89.51			
4. Others											
Sub Total			5895338		126227		839853		696331		0
Agro forestry:											

Particular of Measures/Activities	Unit No./Length/area ha	Basai Jagner		Ghaskata		Singrawali		Soni Kheda		Tantpur	
A. Scattered Plantation	Length mtr	54586	654840	7345	88200	30709	368580	29773	357090	5185	62220
Species:	No. of Plants	21828		2940		12286		11903		2074	
B. Block Plantation	Area in ha										
Species:											
Afforestation											
A. Private Land	Area Ha										
Species:											
B. Common Land	Area Ha										
Species:											
Silvi pasture	Area Ha										
A. Species - plants:											
B. Grasses species											
Species :											
Others:											
Sub Total			654840		88200		368580		357090		62220
Grand Total			13095491		803258		3776905		5082520		819668

5.3: LIVELIHOOD ACTION PLAN

Table 5.4: Livelihood Activities for Landless/Assetless People

Amt. in lacs.										Proposed date for Activity (start)
S.No.	Code of MWS	Name of MWS	Activity Proposed	No. of Groups	No of units	Rate	Cost of Activity	SHG share	Total Budget	
1	2C5A5i3d	Gharhi kareempur	Goatry	2	26	0.03	0.78		0.78	February
			Brush making	1	1	1.00	1.00	0.50	0.50	February
			Dairy	3	3	0.10	0.30		0.30	June
			Sub-Total	6	30		2.08	0.50	1.58	
2	2C5A5g1e	Nasoua	Goatry	3	33	0.03	0.99		0.99	February
			Tailoring	1	14	0.08	1.12		1.12	March
			Dairy	12	12	0.10	1.20		1.20	June
			Brush making ME	2	2	1.00	2.00	1.00	1.00	February
			Sub-Total	18	61		5.31	1.00	4.31	
3	2C5A5i3f	Basai Jagner	Goatry	3	36	0.03	1.08		1.08	February
			Tailoring	2	24	0.08	1.92		1.92	March
			Dairy	10	4	0.10	0.40		0.40	June
			Brush making ME	1	1	1.00	1.00	0.50	0.50	February
			Shop	3	3	0.25	0.75		0.75	October
			Tent house ME	1	1	1.50	1.50	0.75	0.75	October
			Sub-Total	20	69		6.65	1.25	5.40	
4	2C5A5g3d	Shahganj	Goatry	3	31	0.03	0.93		0.93	February
			Dairy	2	18	0.10	1.80		1.80	June
			Vegetable shop	1	5	0.10	0.50		0.50	October
			Brush making ME	1	1	1.00	1.00	0.50	0.50	February
			Mobile shop	1	9	0.10	0.90		0.90	October
			Tent house ME	1	1	1.50	1.50	0.75	0.75	October
			Sub-Total	9	65		6.63	1.25	5.38	
5	2C5A5g1g	Singrawali	Goatry	2	20	0.03	0.60		0.60	February
			Mobile Shop	1	6	0.10	0.60		0.60	October
			Brush making ME	1	1	1.00	1.00	0.50	0.50	February

			Bee keeping	1	5	0.20	1.00		1.00	October
			Sub-Total	5	32		3.20	0.50	2.70	
6	2C5A5g1f	Karhaki	Goatry	2	17	0.03	0.51		0.51	February
			Mobile Shop	1	5	0.10	0.50		0.50	October
			Brush making ME	1	1	1.00	1.00	0.50	0.50	February
			Bee keeping	1	5	0.20	1.00		1.00	October
			Tailoring	1	5	0.08	0.40		0.40	October
			Sub-Total	6	33		3.41	0.50	2.91	
7	2C5A5g3b	Soni kheda Ist	Goatry	2	22	0.03	0.66		0.66	February
			Sub-Total	2	22		0.66	0.00	0.66	
8	2S5A5h1a	Soni kheda IIInd	Goatry	2	19	0.03	0.57		0.57	February
			Tailoring	1	5	0.08	0.40		0.40	October
			Sub-Total	3	24		0.97	0.00	0.97	
9	2S5A5h1b	Soni kheda IIIrd	Goatry	2	22	0.03	0.66		0.66	February
			Dairy	1	6	0.10	0.60		0.60	June
			Masal making	1	5	0.15	0.75		0.75	December
			Mobile shop	1	10	0.10	1.00		1.00	October
			Tent house ME	1	1	1.50	1.50	0.75	0.75	October
			Sub-Total	6	44		4.51	0.75	3.76	
10	2A5A5g3c	Kodari	Goatry	2	22	0.03	0.66		0.66	February
			Dairy	1	8	0.35	2.80	0.80	2.00	June
			Mobile shop	1	10	0.10	1.00		1.00	February
			Sub-Total	4	40		4.46	0.80	3.66	
		Grand Total		79	420		37.88	6.55	31.33	

Note: 1 Goat per unit @ Rs. 3000/-Goat & 02 male Goats included in each SHG.

5.4: PRODUCTION SYSTEM ACTION PLAN

Details for Production system & Micro Enterprise based livelihood activities are given below:-

Table 5.5: Estimate for Crop Demonstration

Seed	Recom. Variety	Sowing time	Qty	Rate	Amt.	N			P			K or S			Pesticide/ Others	Total
						kg	Rate	Rs.	kg	Rate	Rs.	kg	Rate	Rs.	Rs.	
Rabi Season							Rs/kg			Rs/kg			Rs/kg			
Wheat	PBW-343,373&502, UP-2338,Raj-3077 & 3765	1st week to 25th November	27.5	30	825	52.5	7.6	399	32.5	20.5	666.25	16.5	12	198	200	2288
Mustard	Kranti, Rohini, NDR-8501, Vardan, Maya	25th September to 15 th October	1.5	45	67.5	30	7.6	228	10	20.5	205	10	12	120	100	721
Gram	JG-315, Aurodhi	October	14	90	1260				44	12	528	16.3	10.5	171	300	2259
Masoor	Latest	October	13	125	1625				7	5.1	35.7	16	10.5	168	600	2429
Kharif Season																
Arhar	Type-7,,17, Bahar, Azad	July	5	60	300	3	7.6	22.8	10	20.5	205	5	12	60	100	688
Til	Type-4, 12, 13, 22	4 th week June to 1 st week July	1	105	105	8	7.6	60.8	15	20.5	307.5	8	12	96	100	2500
Urd	Pant U-19, 35, T-9, Narendra U-1, Shekhar-1, 2, Azad Urd-1, 2, Uttara	July	30	65	1950	10	7.6	76	12.5	20.5	256.25	10	12	120	150	2552

Area of per demonstration = 0.25 ha

Table 5.6: Panchyat Wise Crop Demonstration

Amount (Rs) in lacs.

S.No.	Name of Gram Panchayat	Activity Proposed	No. of Unit	Name of Crop	Seed / Variety	Per unit Cost of Activity	Total Budget	Proposed date for Activity (start)
1	Basai Jagner	Crop Demo.	130	Rabi	Wheat	2288	2.97	September
		Crop Demo.	50	Rabi	Mustard	721	0.36	September
		Crop Demo.	40	Rabi	Gram	2259	0.90	September
		Crop Demo.	40	Rabi	Masoor	2429	0.97	October
		Sub total	260				5.21	
		Crop Demo.	100	Kharif	Bajra	688	0.69	June
		Crop Demo.	64	Kharif	til	963	0.62	June
		Crop Demo.	55	Kharif	Urd	2552	1.40	July
		Sub total	219				2.71	
		Horti	4	Plantation	Papita	20000	0.80	June
		Total	483				8.72	
2	Ghaskata	Crop Demo.	12	Rabi	Wheat	2288	0.27	September
		Crop Demo.	5	Rabi	Mustard	721	0.04	September
		Crop Demo.	5	Rabi	Gram	2259	0.11	September
		Crop Demo.	5	Rabi	Masoor	2429	0.12	October
		Sub total	27				0.55	
		Crop Demo.	12	Kharif	Bajra	688	0.08	June
		Crop Demo.	4	Kharif	til	963	0.04	June
		Crop Demo.	5	Kharif	Urd	2552	0.13	July
		Sub total	21				0.25	
		Total	48				0.79	
3	Singrawali	Horti	1	Plantation	Papita	20000	0.20	June
		Agro forestry	1	Plantation along With Fencing	Guava, Ber	10000	0.10	June
		Sub Total	2				0.3	
		Crop Demo.	40	Rabi	Wheat	2288	0.92	September
		Crop Demo.	12	Rabi	Mustard	721	0.09	September
		Crop Demo.	12	Rabi	Gram	2259	0.27	September
		Crop Demo.	12	Rabi	Masoor	2429	0.29	October

		Sub Total	76				1.56	
		Crop Demo.	40	Kharif	Bajra	688	0.28	June
		Crop Demo.	11	Kharif	til	963	0.11	June
		Crop Demo.	14	Kharif	Urd	2552	0.36	July
		Sub Total	65				0.74	
		Total	143				2.60	
4	Soni kheda	Horti	4	Plantation	Papaya	20000	0.80	June
		Sub Total	4				0.8	
		Crop Demo.	50	Rabi	Wheat	2288	1.14	September
		Crop Demo.	20	Rabi	Mustard	721	0.14	September
		Crop Demo.	20	Rabi	Gram	2259	0.45	September
		Crop Demo.	20	Rabi	Lentil	2429	0.49	May
		Sub Total	110				2.23	
		Crop Demo.	60	Kharif	Bajra	688	0.41	June
		Crop Demo.	30	Kharif	Til	963	0.29	June
		Crop Demo.	27	Kharif	Urd	2552	0.69	July
		Sub Total	117				1.39	
		Total	231				4.42	
5	Tantpur	Crop Demo.	12	Rabi	Wheat	2288	0.27	September
		Crop Demo.	6	Rabi	Mustard	721	0.04	September
		Crop Demo.	6	Rabi	Gram	2259	0.14	September
		Crop Demo.	6	Rabi	Lentil	2429	0.15	May
		Sub Total	30				0.60	
		Crop Demo.	12	Kharif	Bajra	688	0.08	June
		Crop Demo.	6	Kharif	Til	963	0.06	May
		Crop Demo.	5	Kharif	Urd	2552	0.13	July
		Sub Total	23				0.27	
		Total	53				0.87	
	Grand total		958.00				17.40	

- Note**
1. Details of identified farmers is given in project file.
 2. Cost except labour
 3. Rs. 20000/-0.25 ha (Plantaion)
 4. Cost including Seed+ Fertilizer + Pesticide
 5. Contribution to WDF for SC/ST will be 10% and 20% for others of the cost of activity

Table 5.7: Panchyat Wise Seed Distribution details:

Amount (Rs) in lacs.

S.No.	Name of Gram Pachayat	Name of Crop Season	Name of Seed	No. of farmers	Qty /Unit (kg)	Rate (Rs/kg)	Cost of Activity (Rs)	Total Budget	Proposed date for Activity (start)
1	Basai Jagner	Rabi	Wheat	80	50	30	120000	1.20	September
		Rabi	Mustard	30	10	45	13500	0.14	September
		Rabi	Lentil	30	20	125	75000	0.75	September
		Rabi	Gram	30	10	90	27000	0.27	September
		sub total		170			235500	2.36	
		Kharif	Bajra	75	10	60	45000	0.45	June
		Kharif	Urd	45	10	65	29250	0.29	June
		Kharif	Til	42	9	105	39690	0.40	June
		sub total		162			113940	1.14	
		Total		332			349440	3.49	
2	Ghaskata	Rabi	Wheat	6	50	30	9000	0.09	September
		Rabi	Mustard	5	10	45	2250	0.02	September
		Rabi	Lentil	4	20	125	10000	0.10	September
		sub total		15			21250	0.21	
		Kharif	Bajra	5	10	60	3000	0.03	June
		Kharif	Urd	4	10	65	2600	0.03	June
		Kharif	Til	4	9	105	3780	0.04	June
		sub total		13			9380	0.09	
		Total		28			30630	0.31	
3	Singrawali	Rabi	Wheat	25	50	30	37500	0.38	September
		Rabi	Mustard	10	10	45	4500	0.05	September
		Rabi	Lentil	10	20	125	25000	0.25	September
		Rabi	Gram	10	10	90	9000	0.09	September
		sub total		55			76000	0.76	
		Kharif	Bajra	20	10	60	12000	0.12	June
		Kharif	Urd	10	10	65	6500	0.07	June
		Kharif	Til	10	9	105	9450	0.09	June
		sub total		40			27950	0.28	
		Total		95			103950	1.04	

4	Soni Kheda	Rabi	Wheat	50	50	30	75000	0.75	September
		Rabi	Mustard	15	10	45	6750	0.07	September
		Rabi	Lentil	12	20	125	30000	0.30	September
		Rabi	Gram	13	10	90	11700	0.12	September
		sub total		90			123450	1.23	
		Kharif	Bajra	50	10	60	30000	0.30	June
		Kharif	Urd	15	10	65	9750	0.10	June
		Kharif	Til	15	9	105	14175	0.14	June
		sub total		80			53925	0.54	
		Total		170			177375	1.77	
5	Tantpur	Rabi	Wheat	8	50	30	12000	0.12	September
		Rabi	Mustard	5	10	45	2250	0.02	September
		Rabi	Lentil	4	20	125	10000	0.10	September
		sub total		17			24250	0.24	
		Kharif	Bajra	8	10	60	4800	0.05	June
		Kharif	Urd	4	10	65	2600	0.03	June
		Kharif	Til	4	9	105	3780	0.04	June
		sub total		16			11180	0.11	
		Total		33			35430	0.35	
	Grand Total			658			696825	6.97	

Note

1. Details of identified farmers is given in project file.
2. Foundation seed of recom. variety will be used in distribution.
3. Contribution to WDF for SC/ST will be 10% and 20% for others of the cost of activity.

Table 5.8: Production system based Micro Enterprise

Amt. in Lacs Rs.

S.No.	Name of Gram Pachayat	Activity Proposed	Name of work	No. of Unit	Rate	Cost of Activity	Beneficiary share	Budget	Proposed date for Activity (start)	Remarks
1	Basai Jagner	Animal Husbandry	Murrah (He Bufeleo)/ Jarsi (Bull)	4	0.50	2.00	0.19	0.96	June	For Natural Service
		Animal Husbandry	AI KIT (Paravet)	2	0.50	1.00	0.10	0.48	June	For Artificial Insemination
		Micro enterprise	Oil processor	4	0.50	2.00	0.19	0.96	March	
		Value additon	Masala Grinder	7	0.20	1.40	0.28	1.40	March	
		Micro enterprise	Mini Dal processor	2	0.50	1.00	0.10	0.48	October	
		Micro enterprise	Mini Flour machine	4	0.30	1.20	0.19	0.96	March	
			Sub-total	23		8.60	1.05	5.24		
2	Ghaskata	Value additon	Masala Grinder	2	0.30	0.60	0.12	0.48	December	
			Sub-total	2		0.60	0.12	0.48		
3	Singrawali	Animal Husbandry	Murrah (He Bufeleo)/ Jarsi (Bull)	2	0.50	1.00	0.10	0.48	June	For Natural Service
		Animal Husbandry	AI KIT (Paravet)	1	0.50	0.50	0.05	0.24	June	For Artificial Insemination
		Value additon	Masala Grinder	3	0.20	0.60	0.12	0.60	March	
		Micro enterprise	Mini Flour machine	1	0.30	0.30	0.05	0.24	March	
			Sub-total	7		2.40	0.31	1.56		

S.No.	Name of Gram Pachayat	Activity Proposed	Name of work	No. of Unit	Rate	Cost of Activity	Beneficiary share	Budget	Proposed date for Activity (start)	Remarks
4	Soni Kheda	Animal Husbandry	Murrah (He Bufeleo)/ Jarsi (Bull)	2	0.50	1.00	0.10	0.48	June	For Natural Service
		Animal Husbandry	AI KIT (Paravet)	2	0.50	1.00	0.10	0.48	June	For Artificial Insemination
		Micro enterprise	Oil processor	1	0.50	0.50	0.05	0.24	March	
		Value additon	Masala Grinder	5	0.20	1.00	0.20	1.00	March	
		Micro enterprise	Mini Dal processor	1	0.50	0.50	0.05	0.24	October	
		Micro enterprise	Mini Flour machine	1	0.30	0.30	0.05	0.24	March	
			Sub-total	12		4.30	0.54	2.68		
5	Soni Kheda	Animal Husbandry	AI KIT (Paravet)	2	0.50	1.00	0.10	0.48	June	For Artificial Insemination
			Sub-total	2		1.00	0.10	0.48		
			Grand total	46		16.90	2.11	10.44		

Budget for Livelihood & Production System (Gram Pachayatwise)

Gram Panchayat	Treatable Area (ha)	Livelihood (9%)	Production System (10%)
Basai Jagner	1454	15.71	17.45
Ghaskata	131	1.41	1.57
Singrawali	433	4.67	5.19
Soni Kheda	737	7.96	8.84
Tantpur	145	1.57	1.74
Total	2900	31.32	34.80

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 watershed.

Table 6.1: List of identified training institutes for capacity building

Sl. No.	Name of Training institute	Address	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	2	3	4	5	6	7	8	9
1	SIRD	Bakshika Talab, Lucknow	Director General	State level	Orientation & Implimentation of Project	804	14	Bakshi ka Talab, Lucknow
2	C.S.A. Univ of Agri. & Tech.	Kanpur	Vice Chancellor	State level				Campus unit, Agra
3	UPLDWR	Bhoomi Vikas & Jal Sansadhan Training Institute Beli Kala, Lucknow	Dy. Director	State level				Lucknow
4	DIRD	Agra	Principal	District level		2206	17	Agra
5	KVK	Chelesar & Tundla, Agra	Programme Incharge	District level				Agra
6	PIA	Agra	BSA	District level				At Village
6	Other Institutes identified by SLNA							

Table 6.2: Training to stakeholders on participatory watershed management

Sl. No.	Client Group	Title of the program / duration / time	objectives	Coverage / Topics	Training methodology	Training institutions
1	2	3	4	5	7	8
1	WDT	IWMP-I/ Upto 3 days / 10:00am – 5:00 pm	Training	Livelihood (Dairy, poultry, piggeries, bee keeping, food processing, knitting & micro enterprises	Skill development	C.S.A. Univ of Agri. & Tech., Kanpur SIRD, BKT, Lucknow UPLDWR, Lucknow KVK, Chalesar & Tundla, Agra DIRD, Agra
2	WC					
3	SHG					
4	UG					

Table 6.3: Capacity Building Annual Action Plan

(Amt. in lacs Rs.)																					
S. N o	Stake holder s	Total no of perso ns/ mem bers	Physical & Financial Planning															Total			Rema rks
			Ist year			II nd year			III rd year			IV th year			V th year			No. of Partici pant	No. of Trg s.	Amt.	
			No. of Particip ant	No. of Trg s.	Amt.	No. of Particip ant	No. of Trg s.	Amt.	No. of Particip ant	No. of Trg s.	Amt.	No. of Particip ant	No. of Trgs .	Amt.	No. of Particip ant	No. of Trgs.	Amt.				
	SLNA	20	--	--	0.70	--		0.35	--			--			--			--		1.04	
	WCDC	12	--	--	0.63	--		1.25	--		0.47	--		0.47	--		0.31	--		3.13	
1	PIA	12	12	2	0.18	12	1	0.09	12	1	0.09	12	1	0.09	12	1	0.09	60	6	0.54	--
2	WDT	2	2	2	0.02	2	1	0.01	2	1	0.01	2	1	0.01	2	1	0.01	10	6	0.06	--
3	WC	73	70	2	0.63	70	1	0.32	20	1	0.09	20	1	0.09	20	1	0.09	200	6	1.22	--
4	SHG	561	0	0	0.00	245	2	3.68	125	1	0.94	125	1	0.94	50	1	0.38	545	5	5.93	--
5	UG	200	0	0	0.00	84	1	0.21	300	1	0.75	405	1	1.01	150	1	0.38	939	4	2.35	--
6	Others specify	1000	532	1	1.33	425	1	1.06	105	1	0.26				194	1	0.49	1256	4	3.14	--
	Total	1877	616	7	3.48	838	7	6.96	564	6	2.61	564	5	2.61	428	6	1.74	3010	31	17.40	--

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 intervention, expenditure and other information will be displayed in the micro watershed through wall writing, 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 President of Watershed Committee (WC) to DWDU for further submission to the SLNA. About 1% of the total budget will be used on this activity.

Plan for Evaluation

Watershed development activities bring 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 and small timber availability, livestock composition and milk production etc. These indicators can be gauged over benchmark data both at the beginning and at the end of the project within the watershed.

Observation

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

- Duration of availability of drinking water/irrigation and ground water recharge.
- Irrigation frequency and area under irrigation.
- Changes in cropping pattern and cropping system in the farmers' fields along with productivity and incomes.
- Soil health.
- Satellite monitoring for vegetation cover and other parameters.
- Livestock composition and productivity.
- Periodic pest and disease monitoring will be done in major crops.
- Socio-economic aspects including resource inventory.

7.2: Annual Action Plan (AAP)

Physical and financial targets and outlays and year wise breakups are given in Table 7.1.

Table 7.1: Yearwise financial phasing (Rs. In lacs)

S. No.	Item	1st Year		IInd Year		IIIrd Year		IVth Year		Total	
		(2010-11)		(2011-12)		(2012-13)		(2013-14)			
		Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.
1	Administrative 10%	6.96		9.396		9.396		9.048		34.8	
2	Monitoring 1%	0.696		0.696		0.696		1.392		3.48	
3	Evaluation 1%	1.044		0		1.218		1.218		3.48	
4	Entry Point Activity 4%	13.92		0		0		0		13.92	
5	Institutional and Capacity building 5%	10.44		2.61		2.61		1.74		17.4	
6	D.P.R Preparation 1%	3.48		0		0		0		3.48	
7	Watershed Dev. Works 50%	26.1	435	53.418	890.3	52.2	870	63.162	1052.7	194.88	3248
8	Livelihood & Income Generating 9%	3.48		10.44		10.44		6.96		31.32	
9	Production System development 10%	3.48		10.44		10.44		10.44		34.8	
10	Consolidation Phase 5%	-		-		-		10.44		10.44	
	Total	69.6		87		87		104.4		348	

Financial Phasing Gram Panchyat Wise

GP	Unit	Waterhsed works	Livelihood (9%)	Production System (10%)	Total
Basai Jagner	Rs. In lacs	130.95	15.71	17.45	164.11
Ghaskata	Rs. In lacs	8.0326	1.41	1.57	11.01
Singrawali	Rs. In lacs	37.769	4.67	5.19	47.63
Soni Kheda	Rs. In lacs	50.825	7.96	8.84	67.63
Tantpur	Rs. In lacs	8.1967	1.57	1.74	11.51
Total		235.78	31.32	34.80	301.88

Table 7.2: Details of proposed watershed wise Convergence in the project :

S.No	MWS Code	MWS Name	Project Cost (Rs.)	Treatable Area (Ha.)	IWMP Budget (Rs.)	Convergence (Rs.)	Percent	Name of Schemes for Converging with IWMP-I
1	2C5A5g1e	Nasoua	2843710	400	2688000	155710	5.8	MNREGA
2	2C5A5g1f	Karhaki	2357123	270	1814400	542723	29.9	MNREGA
3	2C5A5g1g	Singrawali	2392987	250	1680000	712987	42.4	MNREGA
4	2C5A5g3b	Soni kheda Ist	440027	60	403200	36827	9.1	MNREGA
5	2C5A5g3c	Kodari	2326974	340	2284800	42174	1.8	MNREGA
6	2C5A5g3d	Shahganj	4950345	500	3360000	1590345	47.3	MNREGA
7	2C5A5h1a	Soni kheda IIInd	690254	90	604800	85454	14.1	MNREGA
8	2C5A5h1b	Soni kheda IIIrd	2473517	350	2352000	121517	5.2	MNREGA
9	2C5A5i3d	Gharhi kareempur	1175707	140	940800	234907	25	MNREGA
10	2C5A5i3f	Basai Jagner	3927198	500	3360000	567198	16.9	MNREGA
		Total	23577842	2900	19488000	4089842	21.0	MNREGA

CHAPTER-8

CONSOLIDATION AND WITHDRAWAL STRATEGY

Success of the programme depends on various watershed interventions and sustainability can only be achieved through active participation of community. It will be on capacity building and empowerment of stakeholders. The WC, SHGs, UGs etc. will be on established, trained and strengthened to continue development after withdraw of PIA. By building economic activities through CBOs community participation will be sustained. The PR&D approach alongwith demand driven interventions will reduce dependency on subsidies. Contribution from the community will be ensured for the entire activities to develop sense of belongingness and the contribution will be deposited to the account of watershed development fund (WDF). It will also be strengthening through donations from the individuals and institutions and the CBOs will be trained to run watershed as business model on sustainable basis. The tangible economic benefits alongwith empowerment by PIA will empower the CBOs to develop and sustain the watershed activities after withdrawal of the PIA. Community organization will withdraw the money from the WDF to maintain the assets created during the implementation phase.

The consolidation phase will also include:-

1. To prepare the project completion report.
2. Documentation of success stories.
3. Making films, leaflets, bulletins and the lessons learnt.
4. The expenditure will be done as per the common guidelines for watershed development projects.
5. The completion report will reflect the development on following aspects:-
 - a. Productivity enhancement.
 - b. Nutritional Security.
 - c. Risk minimization (Integrated farming system, water harvesting and protected cultivation, value addition and improved marketing).
 - d. Profitability.
 - e. Livelihood security (skill enhancement capacity building, increased employment in agriculture and allied enterprises, reduction in migration etc.).

CHAPTER -9

EXPECTED PROJECT OUTCOME

9.1 Employment Generation and Checking Migration

Employment has always been a problem in the village. The principal occupations of the people are dry land agriculture, animal husbandry and casual labor work. However, rain fall being very limited and erratic, agriculture suffers, i.e. at best they can take only a single crop, which keeps them partially engaged for about 4 months. Lack of fodder makes animal husbandry very difficult too. So, animal husbandry does not keep them engaged full time. Thus the people mainly depend upon casual labor, either in the village itself or outside it.

The project plans for creation of both wage employment and self employment opportunities. Wage employment would be created by engaging people in watershed physical works like construction of earthen bunds, farm bunds, village pond, plantation, etc. Self employment would be created by providing the people with cash support in the form of direct livelihood activities like agriculture, animal husbandry and enterprise development. It will be help in checking of migration.

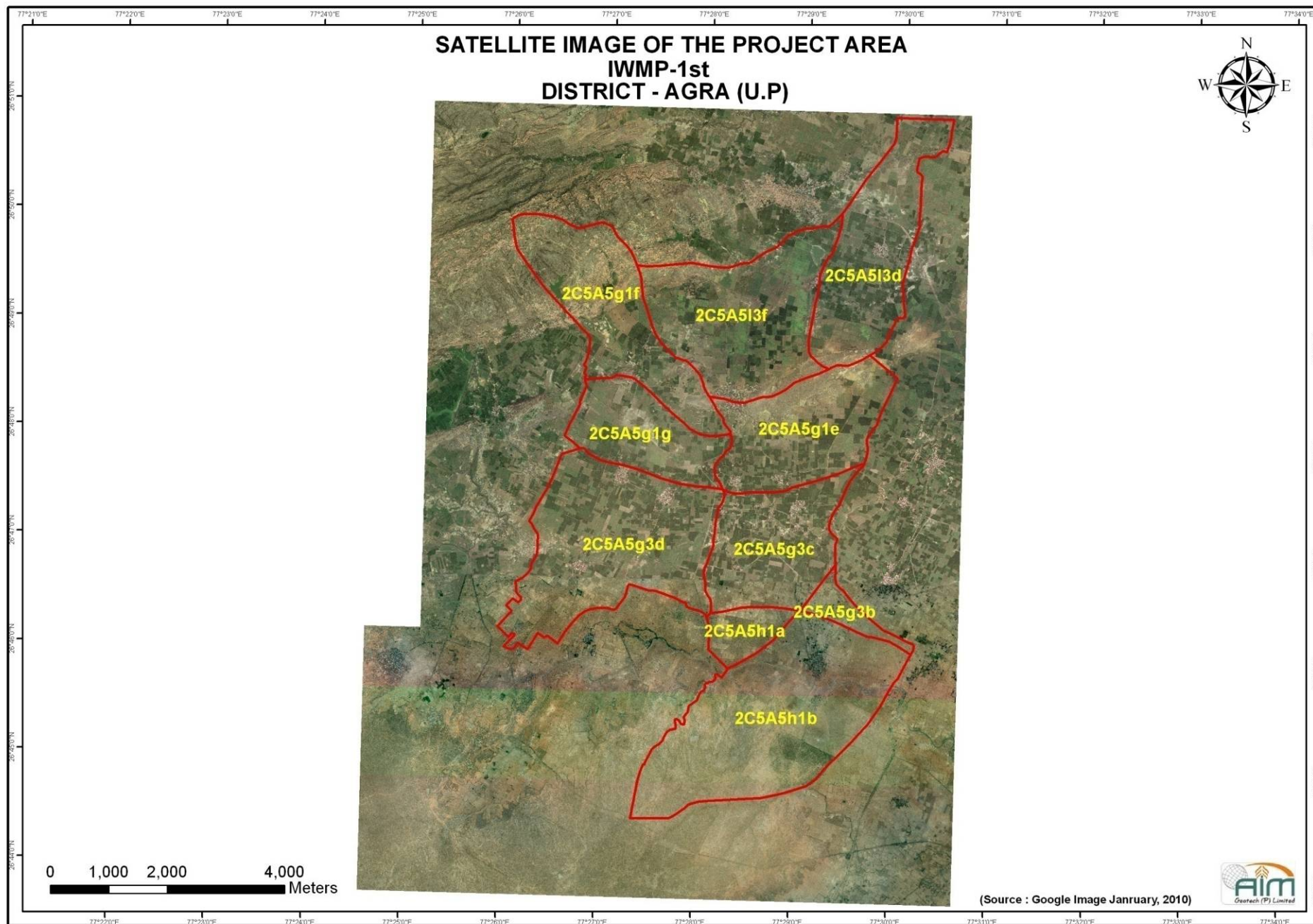
9.2: Other expected outcome

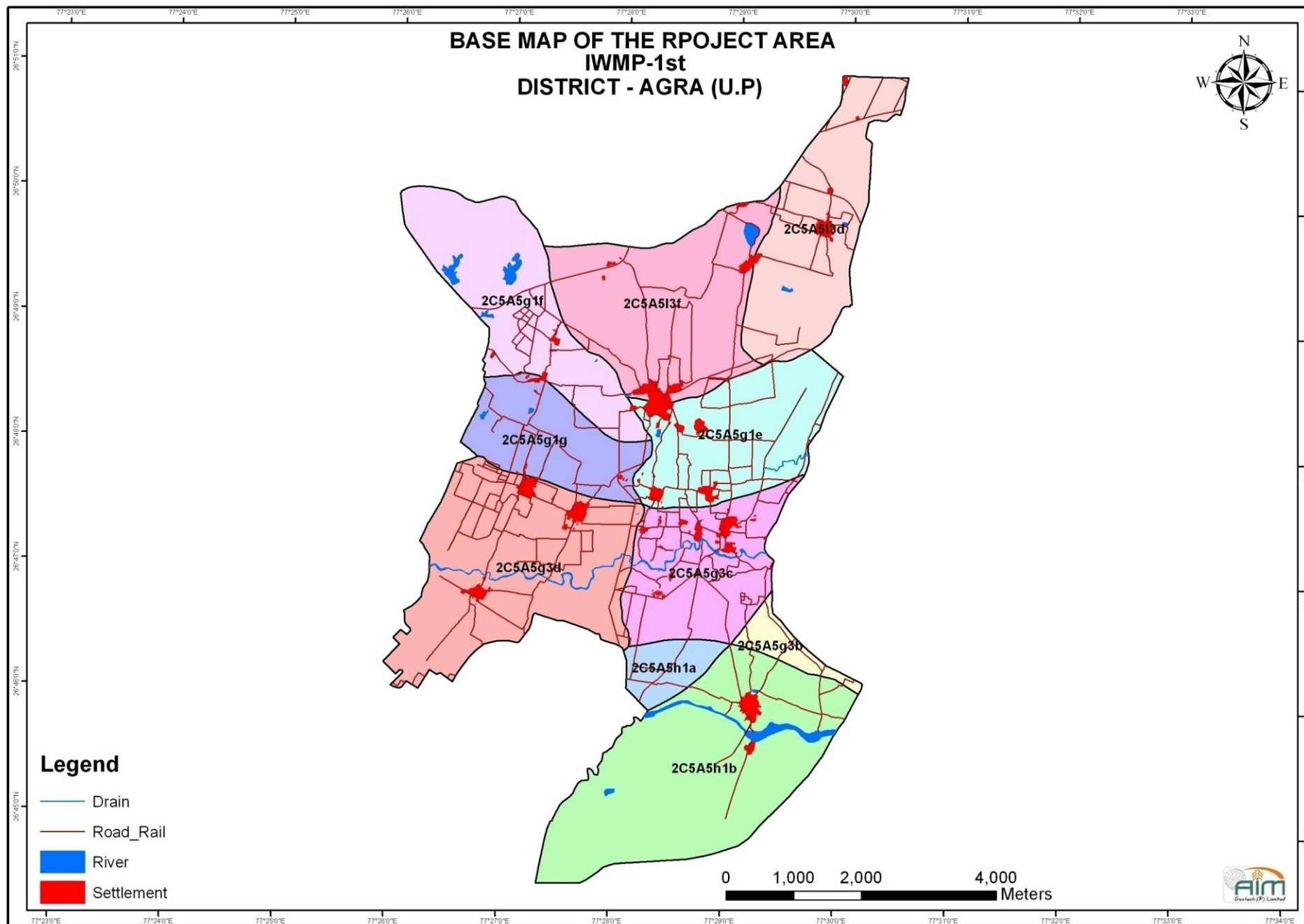
Table 9.1: Expected Benefits:

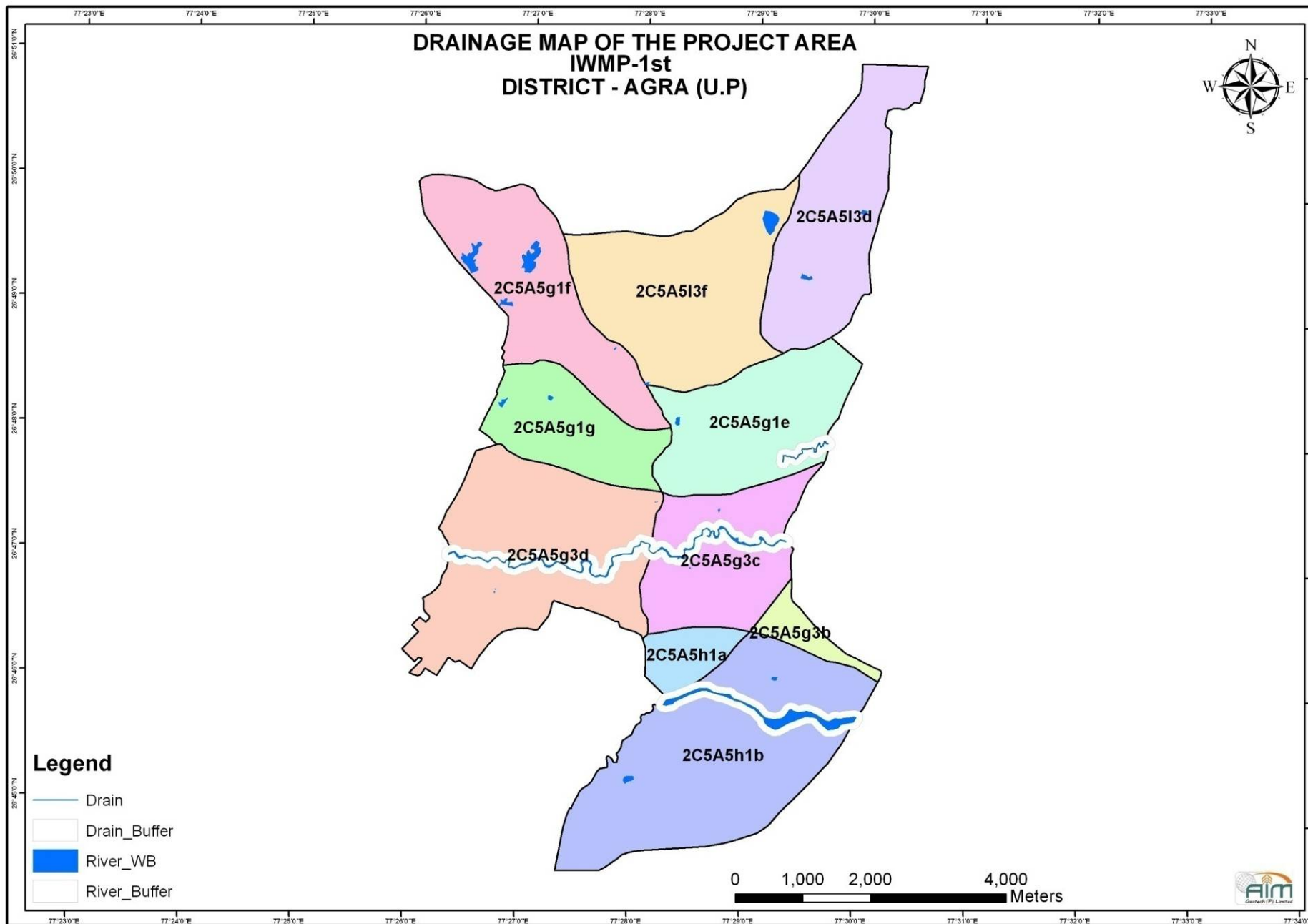
S.No.	Particulars of Items	Unit	Pre Execution	Post Execution
1	Gross Cultivated area	Ha.	3447	+12-15%
2	Cropping Intensity	%	113%	+12-13%
3	Agricultural Production			
a	Food Production	qtls	31727	12-13%
i	Cereals		16850	12-13%
ii	Pulses		13317	12-13%
iii	Oil seed		1560	12-13%

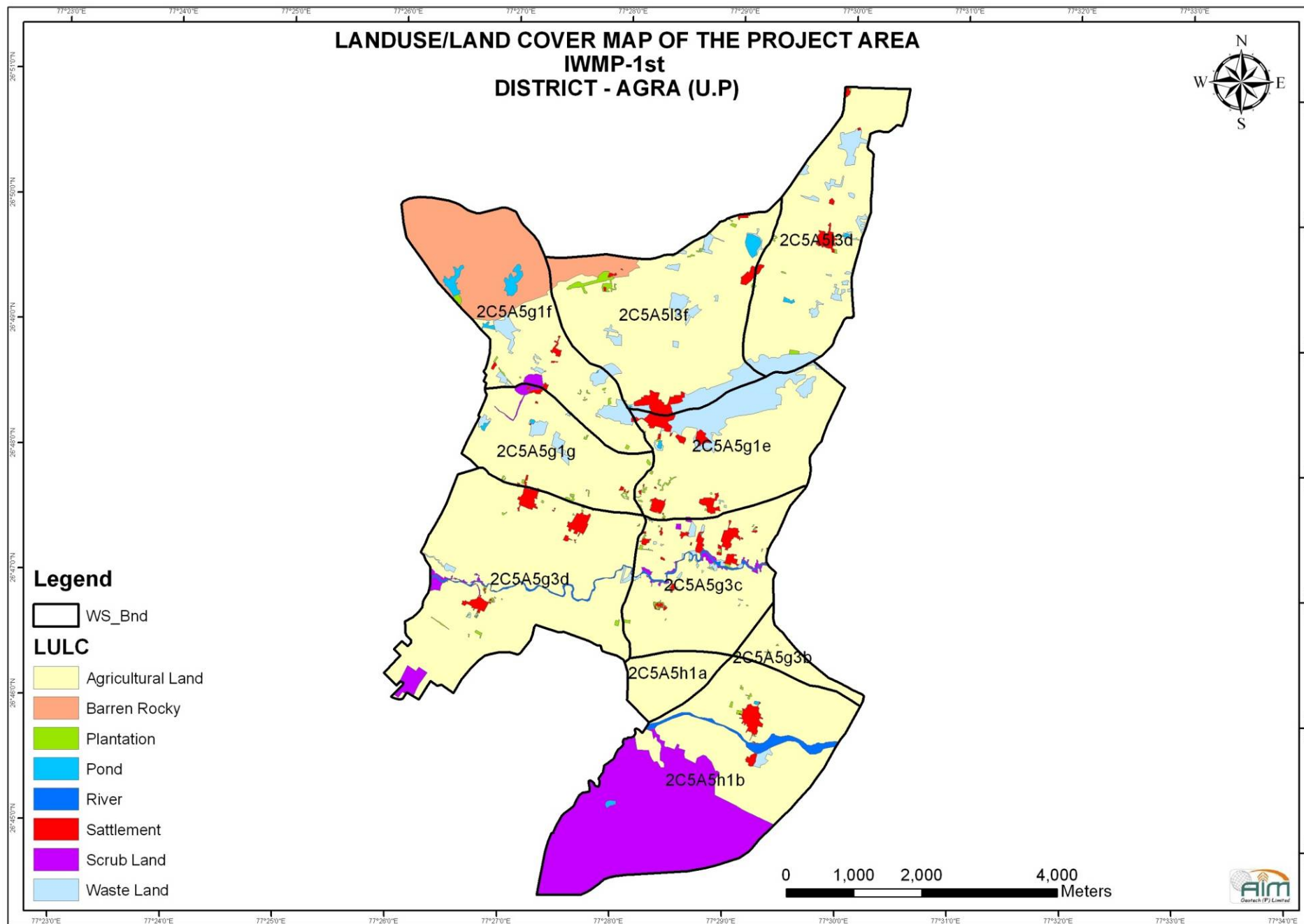
S.No.	Particulars of Items	Unit	Pre Execution	Post Execution
b	Fodder production	qtls	233154	
i	Dry fodder		27358	12-13%
ii	Green fodder		205796	12-13%
c	Fuel production (qtls)	qtls		
i	Arhar + Mustard plants		8880	12-13%
4	Average Income from Agriculture	/Ha	84533	12-13%
5	Milk Production	Liter	11794	15-20%
6	Irrigated/Rainfed Area	Ha	828/2200	1048/1980
7	Additional Area under Agro/Horti/Forestry	Ha	---	+14%
8	Employment generation Man days	No	100	120-130
9	Women Benefitted by SHGs and IGA	No	---	+165
10	Value of land Rs Lacs per ha.	Rs lacs	10-12	+1-2
11	Average ground water table BGL	M	12-13	-1-2

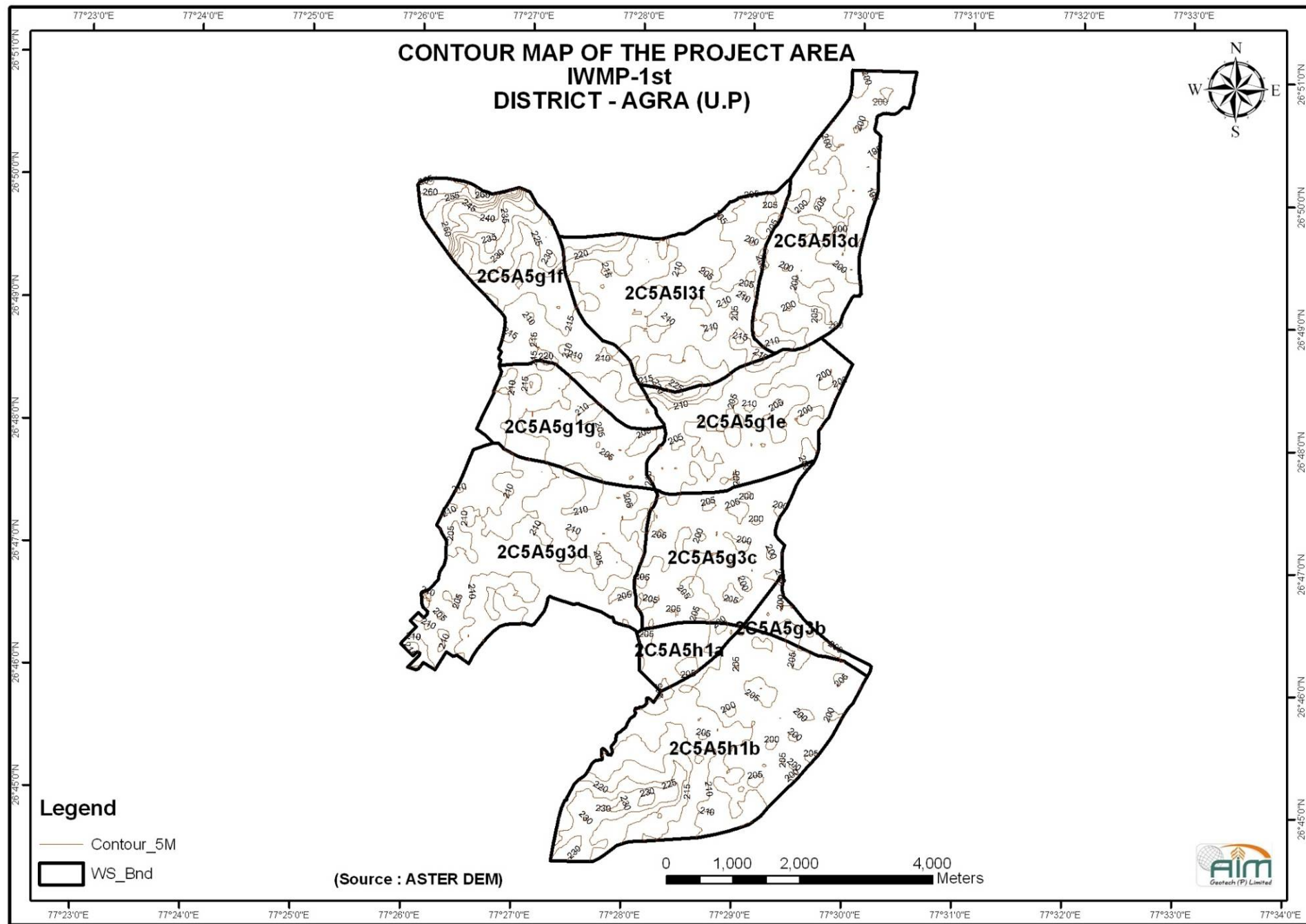
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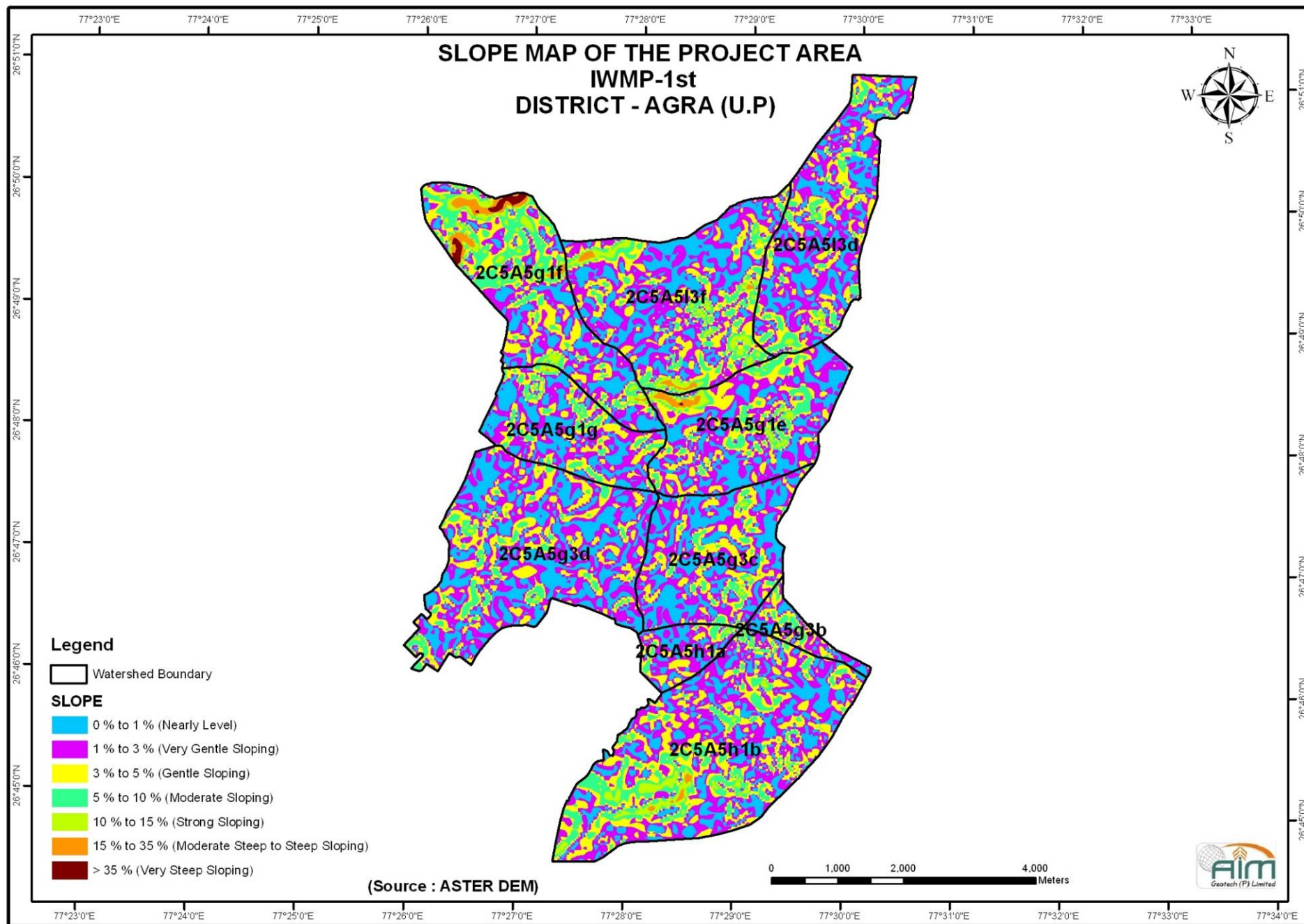


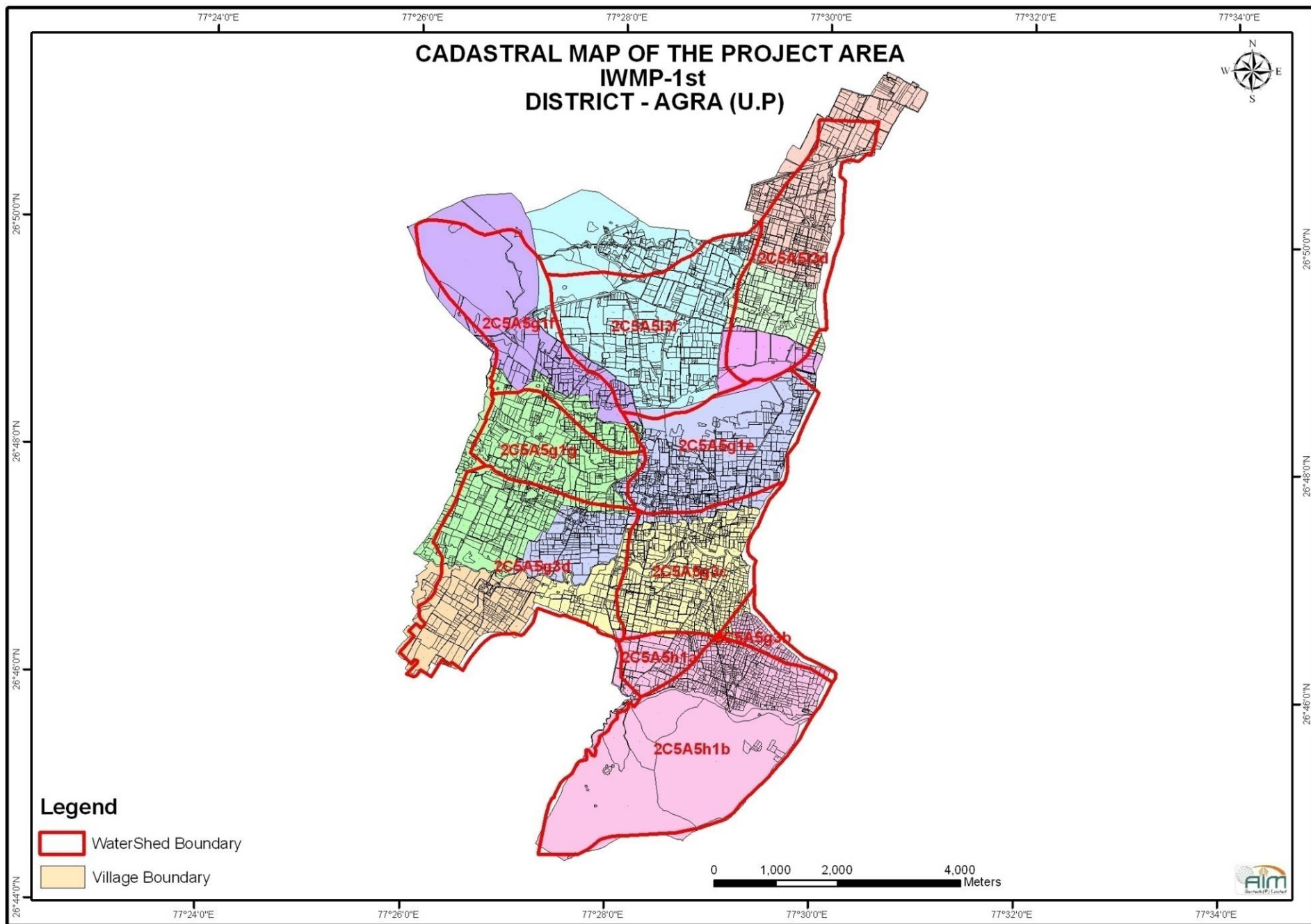


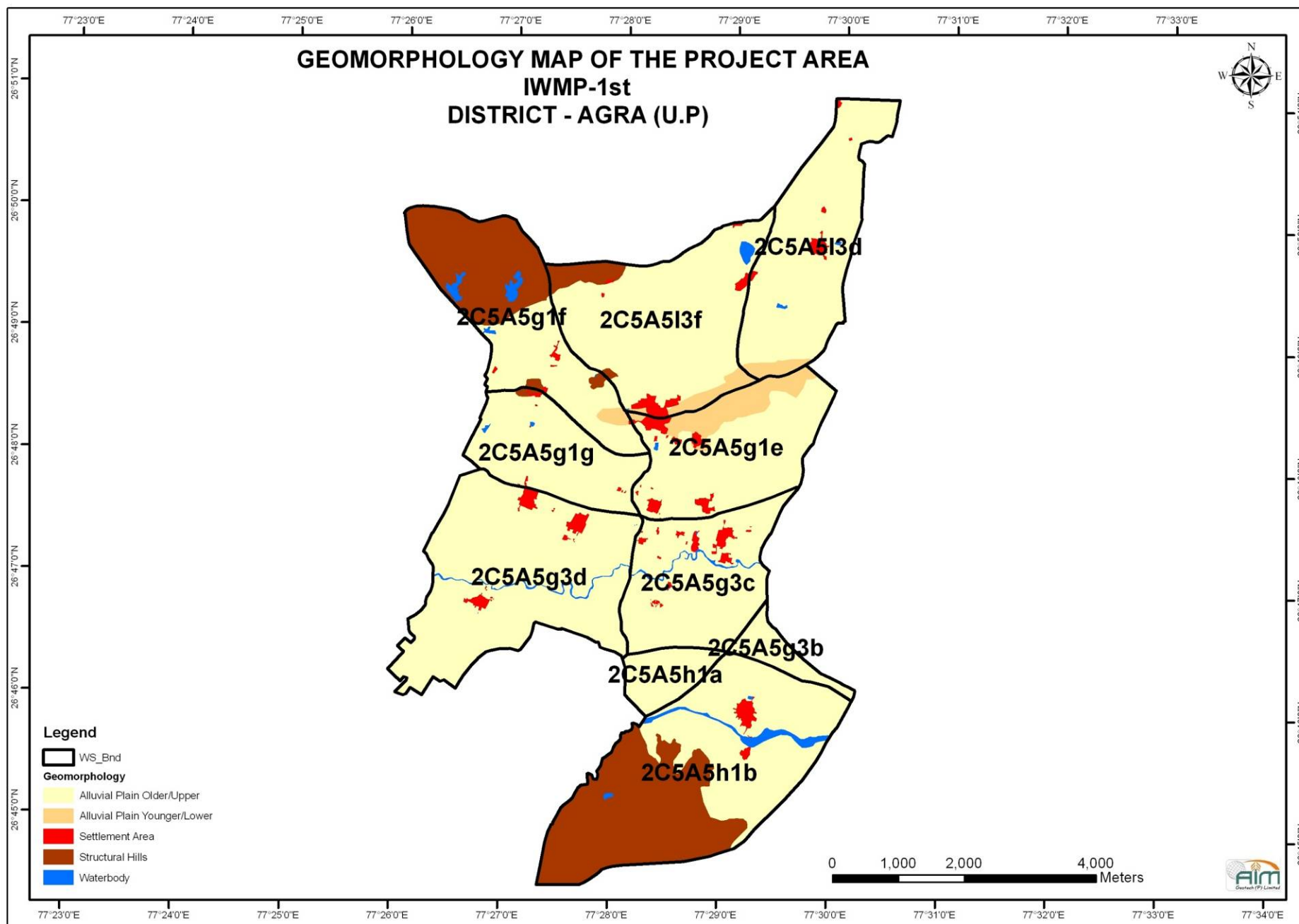


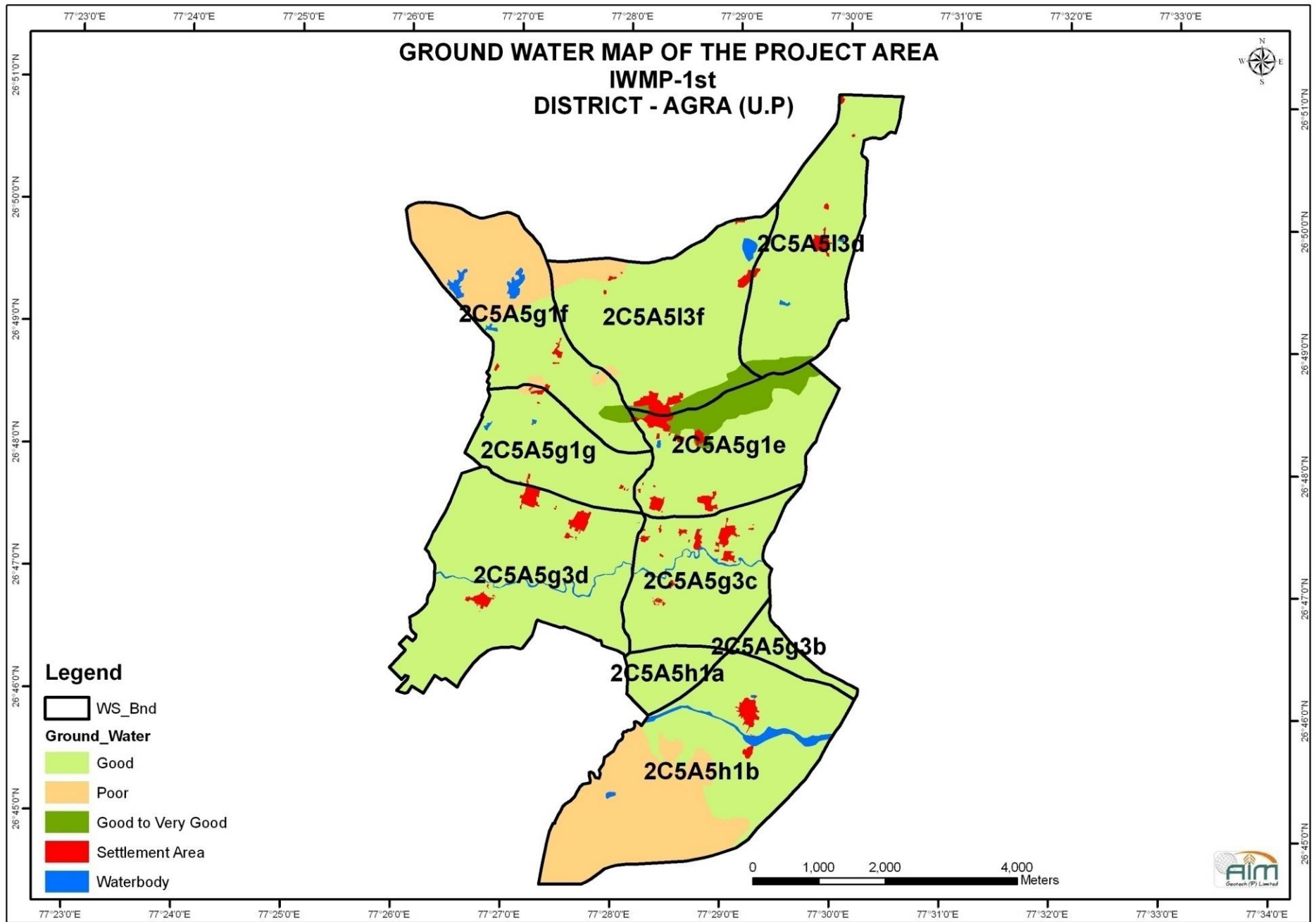


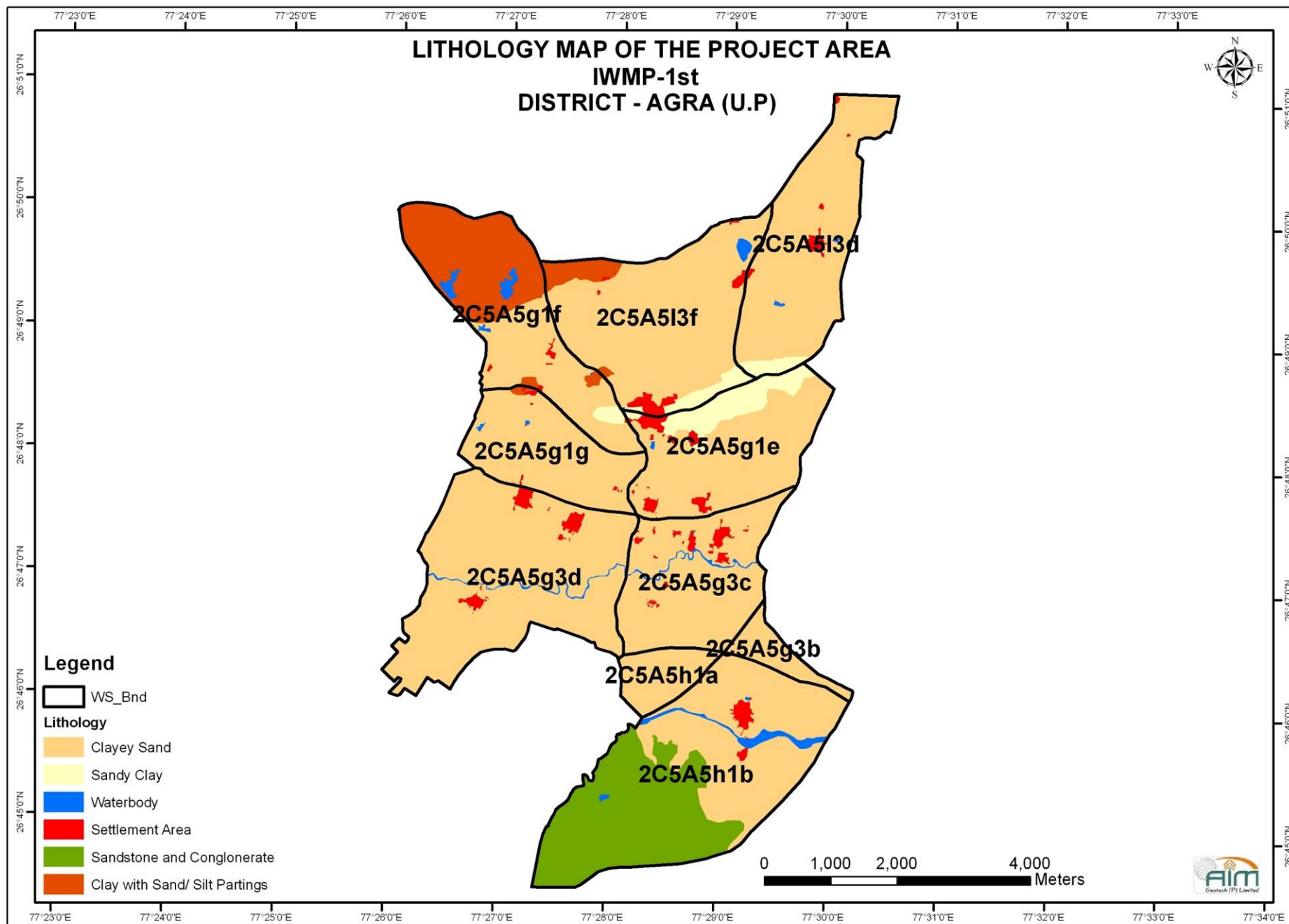


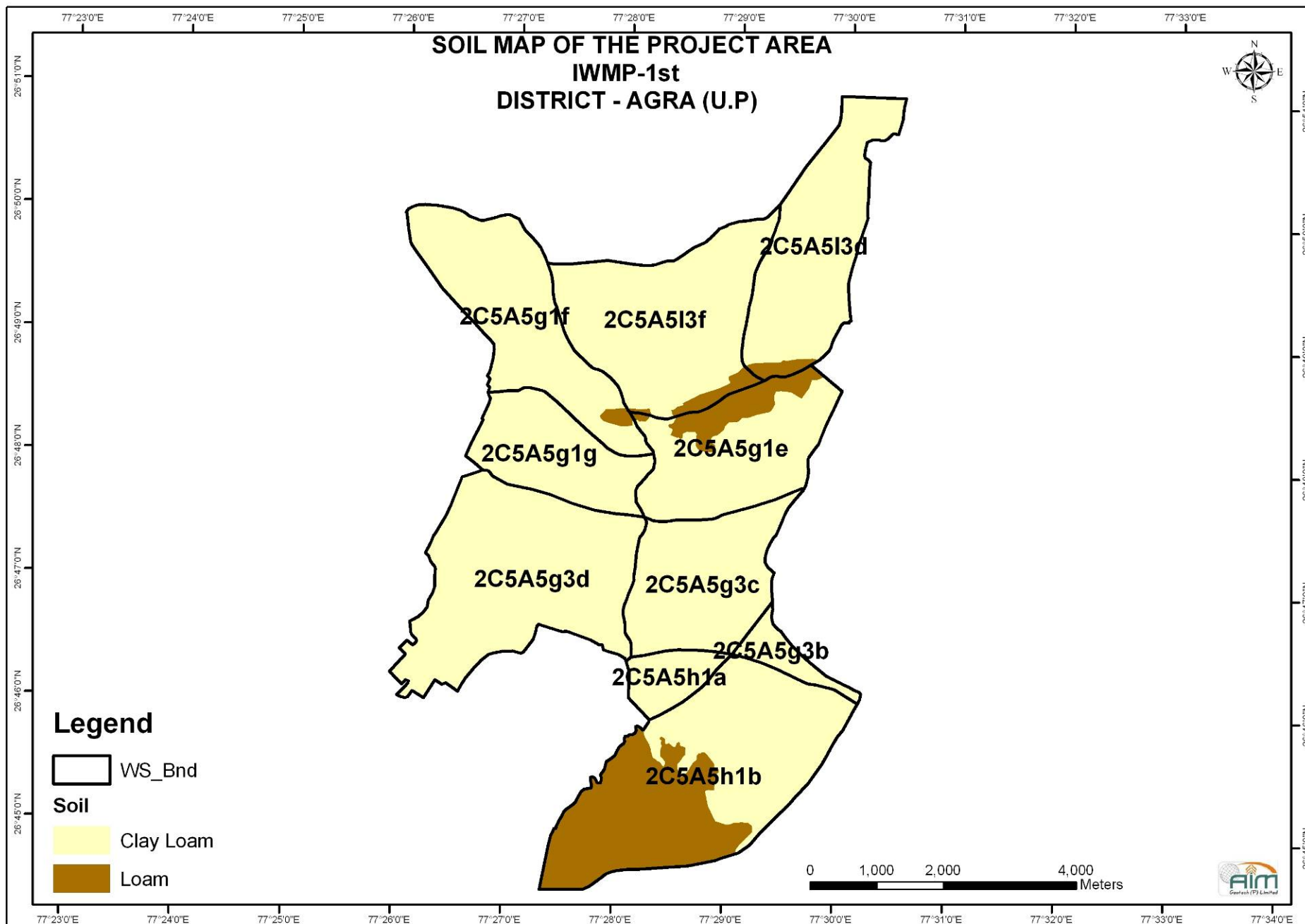


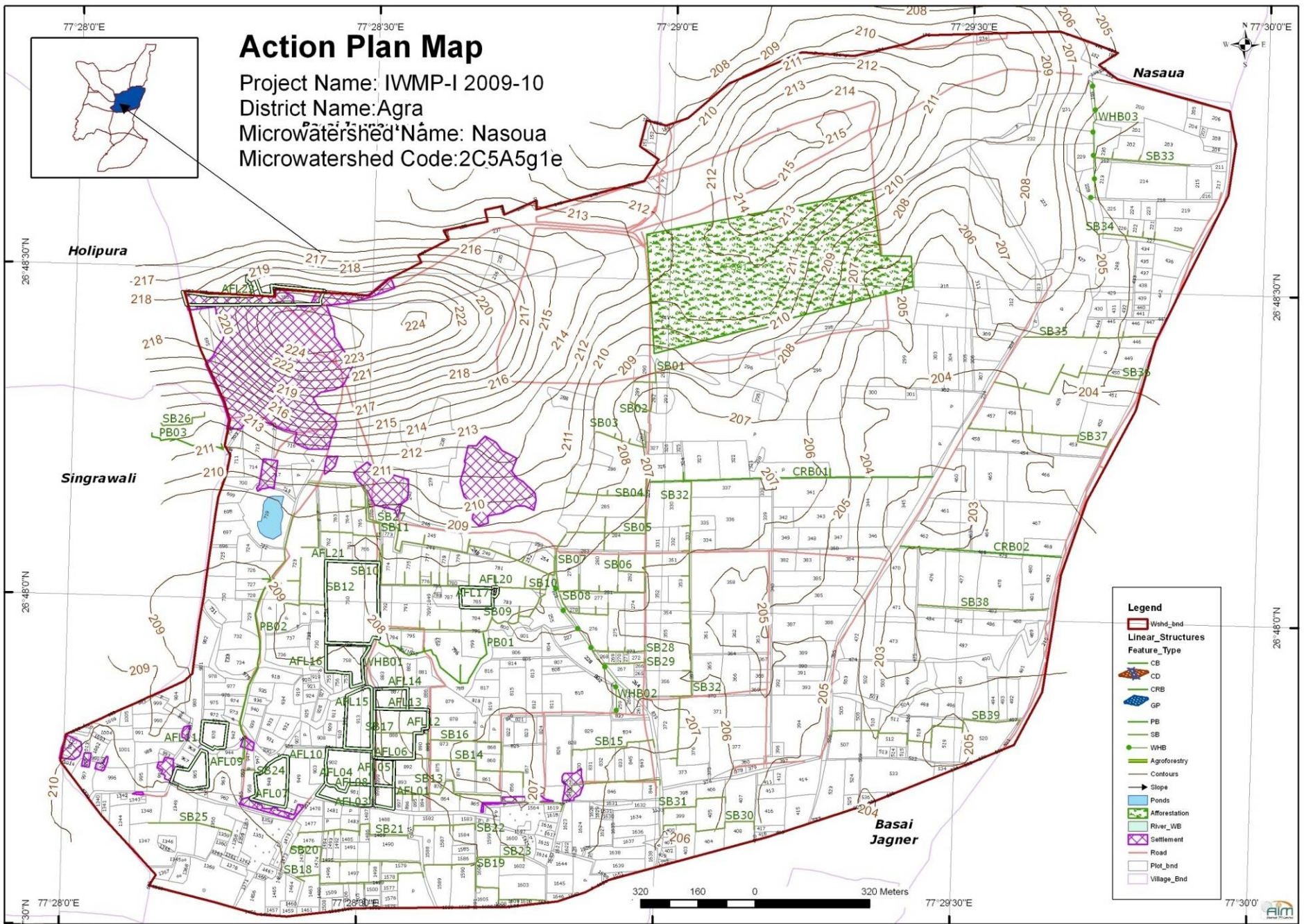






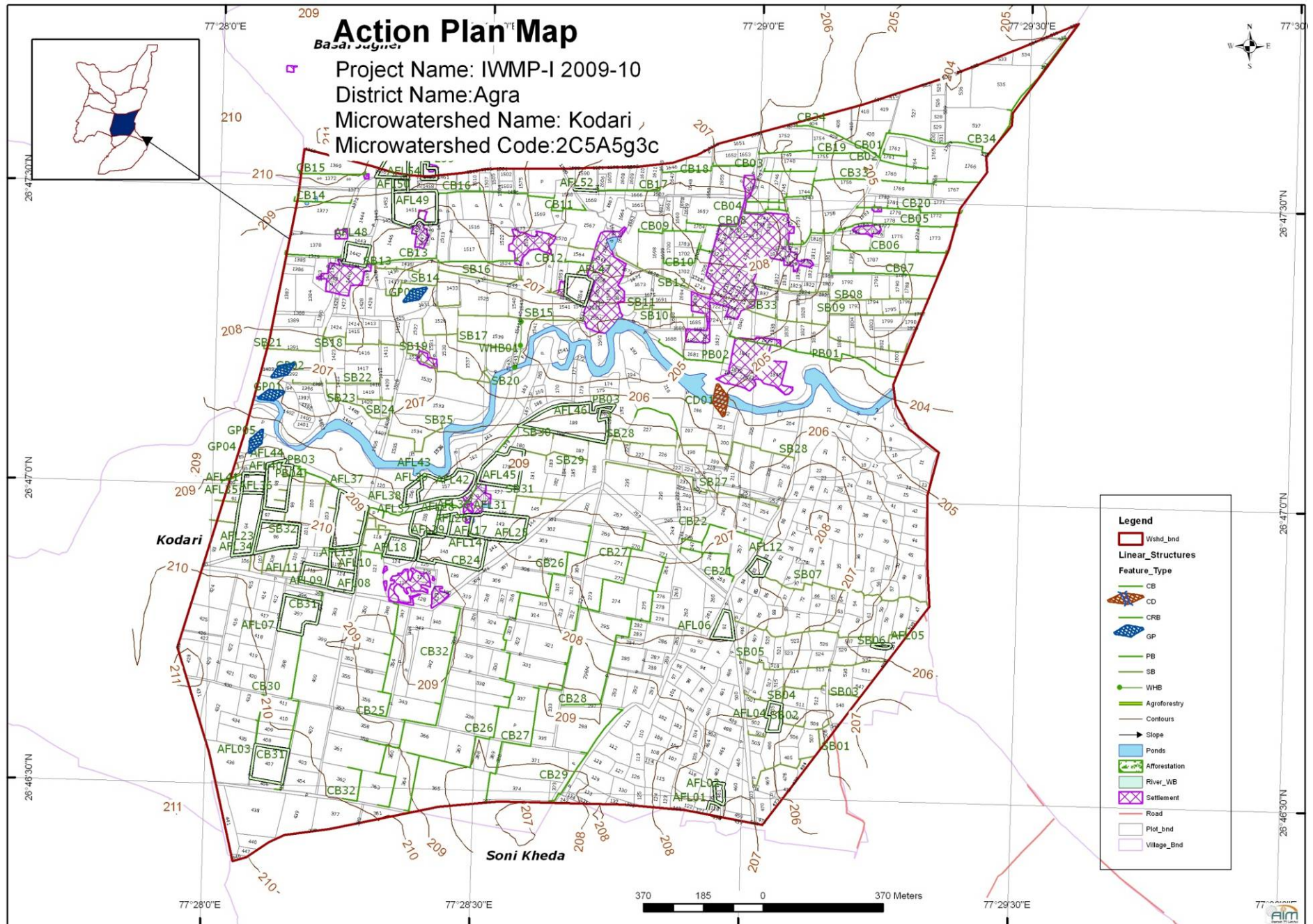


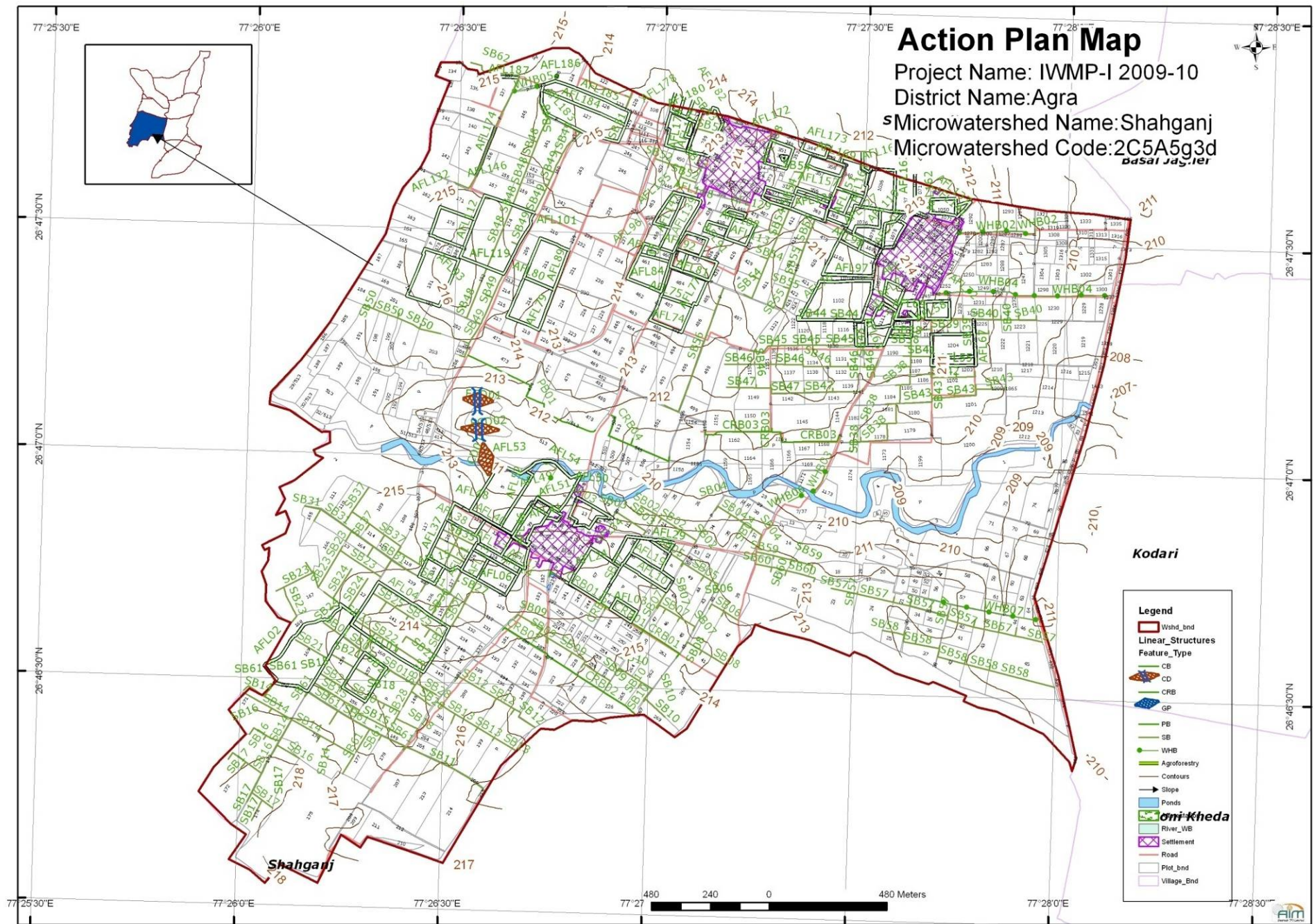


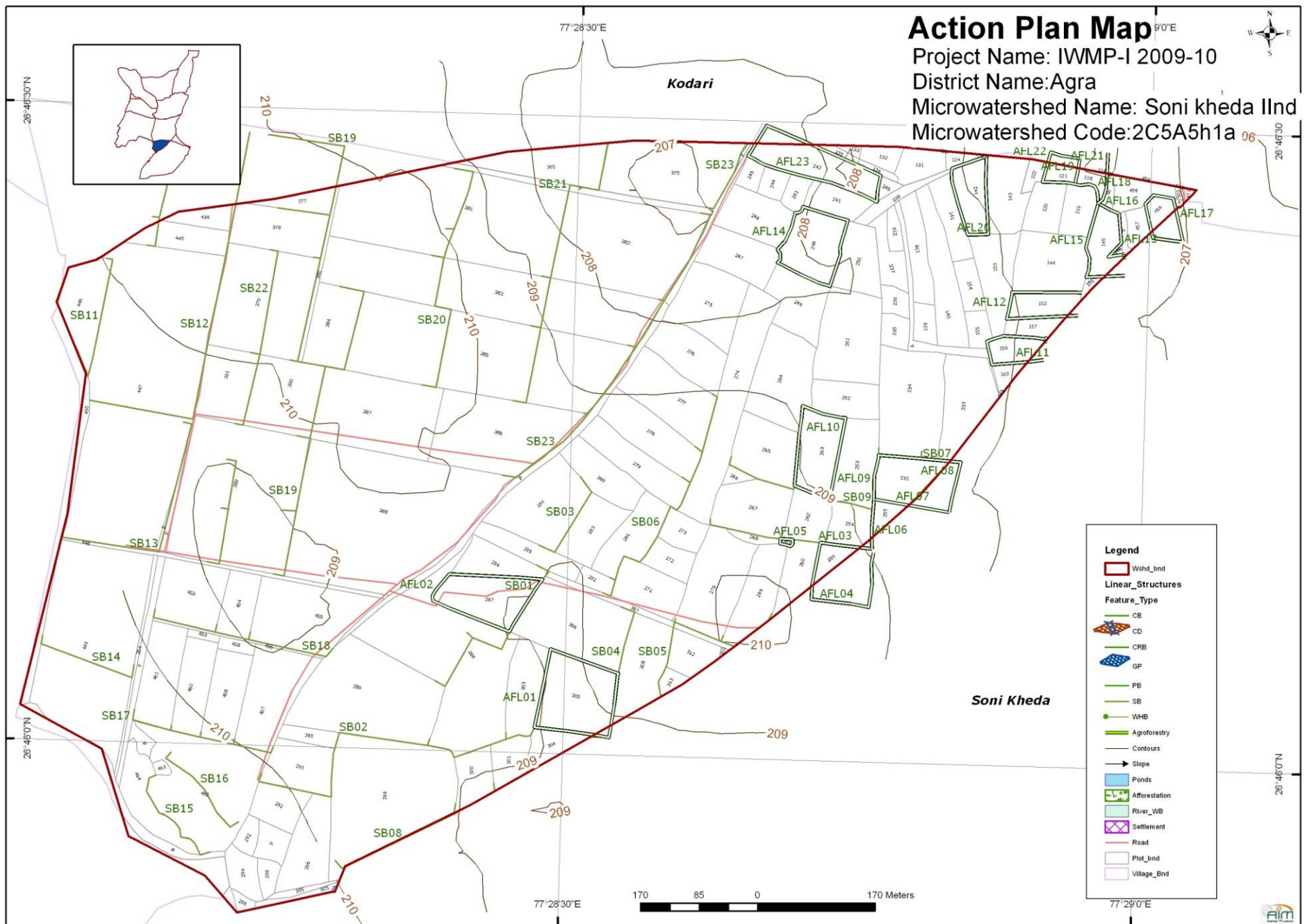


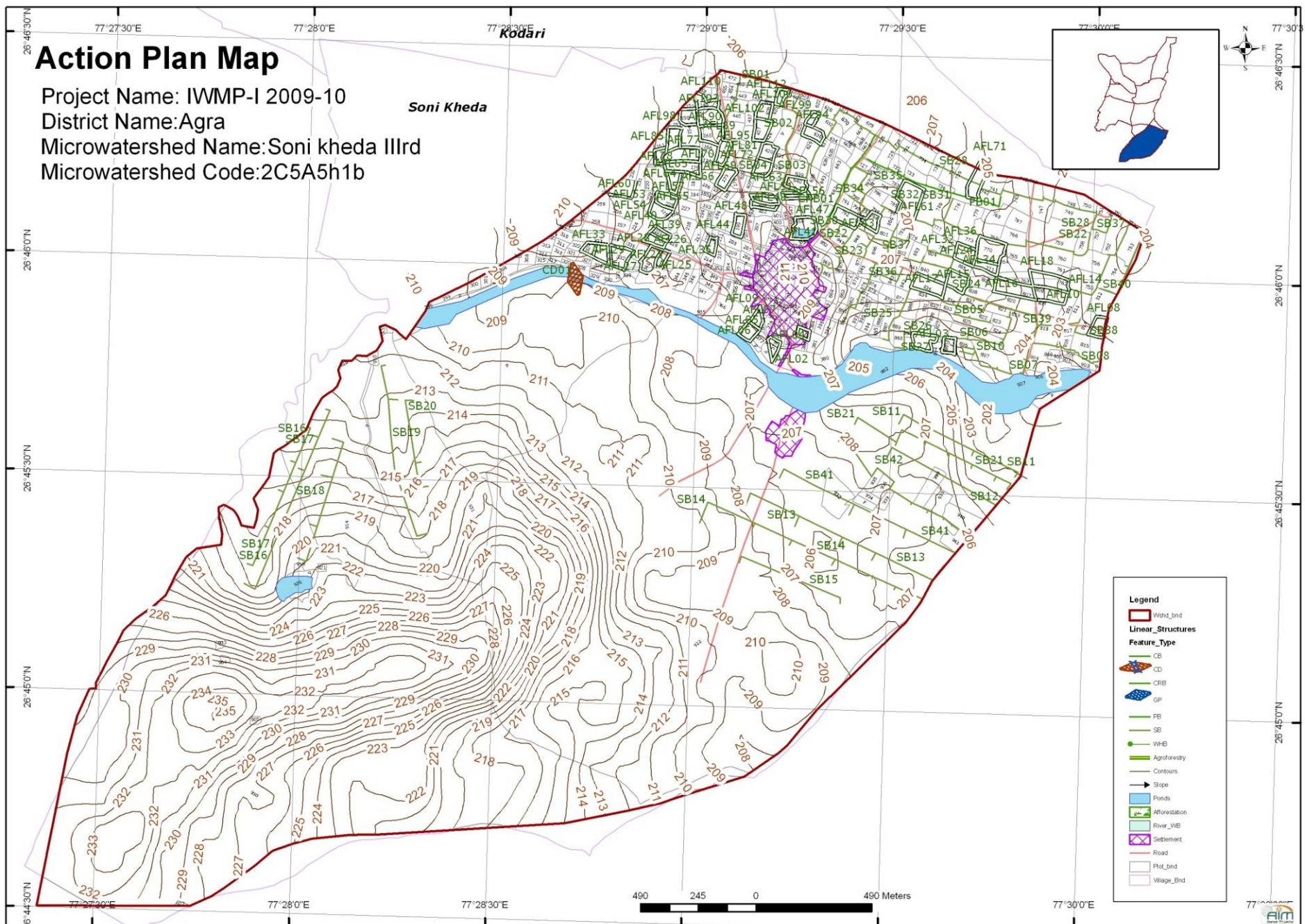


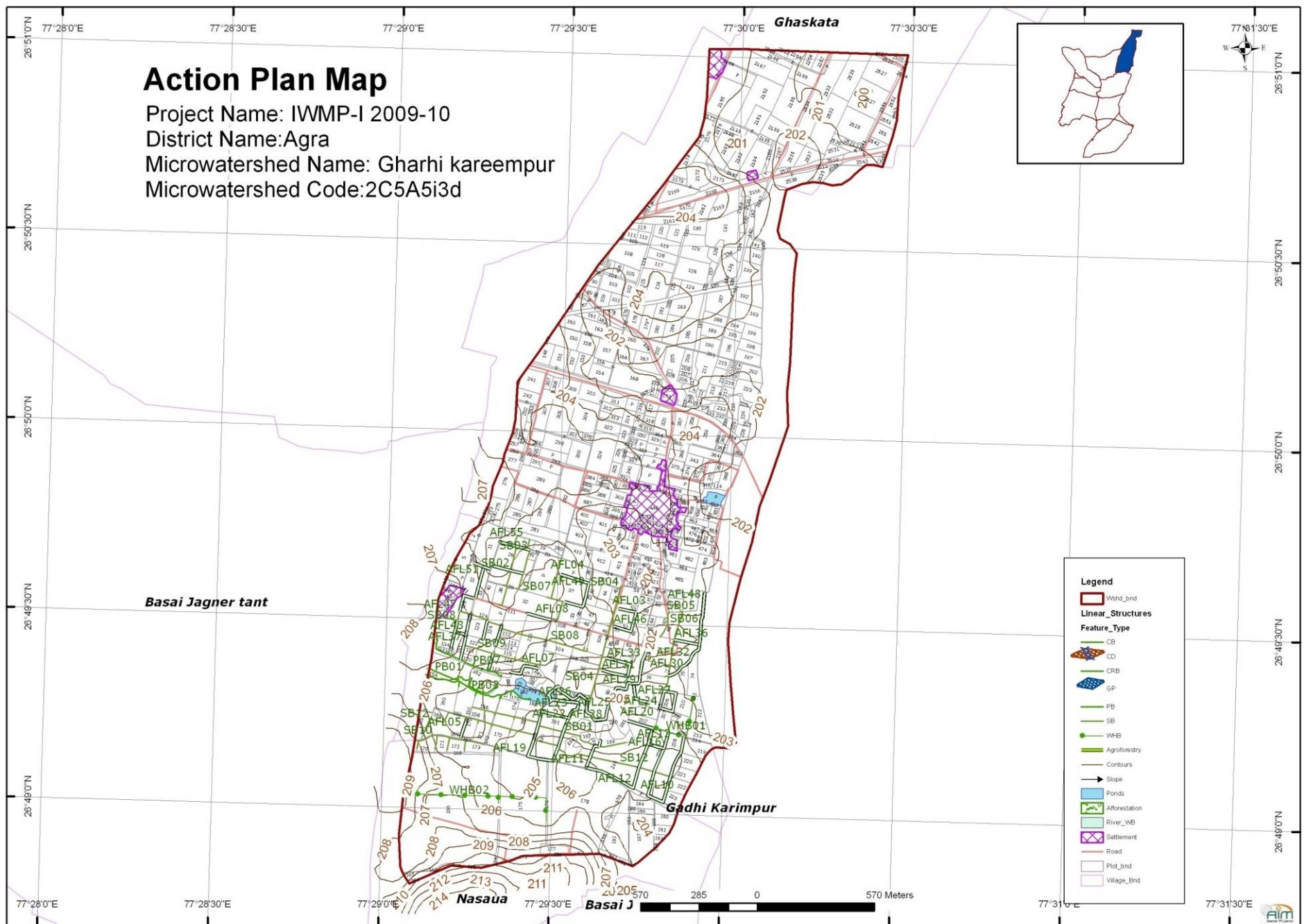


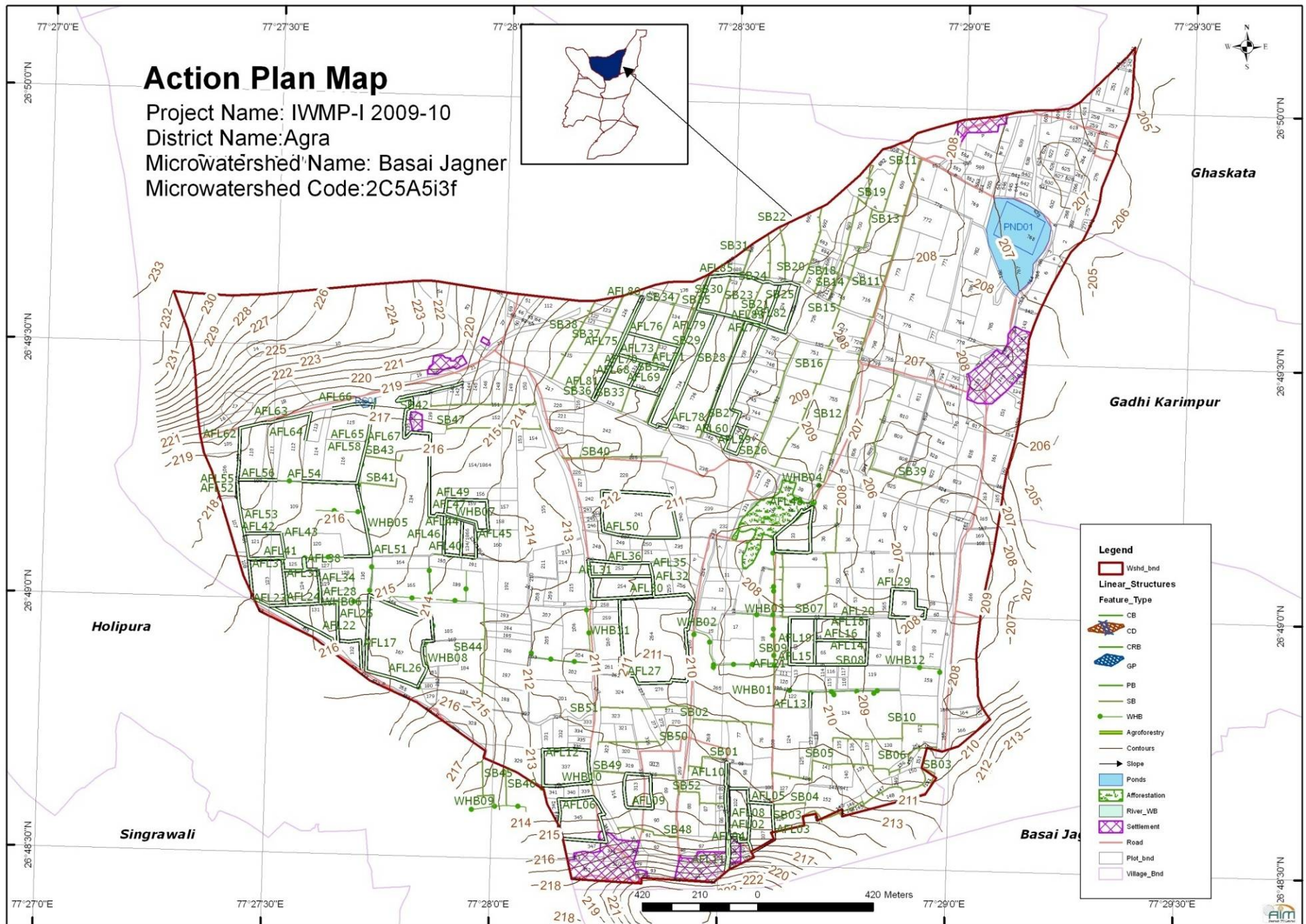












PREPARATION OF DPR

Detail Project Report of Integrated Watershed Management Programme (IWMP- 1st) has been prepared through base line/ bench Mark survey for physiographic, climate, soil, land use, vegetation, hydrology and socio economic data collection. PRA exercises have been done to collect primary data. Secondary data have been collected from Revenue, Statistics department, Statistical Magazine of the district, department of animal Husbandry development etc. Toposheets on 1:50,000 scale, online high resolution satellite image and SRTM data has been used. Suggestions related to technical & specific inputs were taken from external expert in preparation and drafting of detail project report.

S.No.	Name	Designation	Affiliation
1	Mr. Mahesh Chandra	BSA, IWMP-1	P.I.A., Agra
2	Mr. Durgesh Puri	JE, IWMP-1	P.I.A., Agra
3	Mr. Ghanshyam Singh	JE, IWMP-1	P.I.A., Agra
4	Mr. Ram Naresh	Accountant, IWMP-1	P.I.A., Agra
5	Mr. Upendra Singh	Draftsman, IWMP-1	P.I.A., Agra
6	Mr. Ramesh Chandra	Draftsman, IWMP-1	P.I.A., Agra
7	Mr. Dinesh Chandra	A.S.C.I. , IWMP-1	P.I.A., Agra
8	Mr. Gyan Prakash Sharma	A.S.C.I. , IWMP-1	P.I.A., Agra
9	Mr. Hari Ram	Irrigation Sup., IWMP-1	P.I.A., Agra
10	Mr. Narendra Prakash	Irrigation Sup., IWMP-1	P.I.A., Agra
11	Mr. Ashok kumar	Irrigation Sup., IWMP-1	P.I.A., Agra
12	Mr. Vijay Singh	Irrigation Sup., IWMP-1	P.I.A., Agra
13	Mr. Magan Bihari	Irrigation Sup., IWMP-1	P.I.A., Agra
14	Mr. Prashant Mohan	Irrigation Sup., IWMP-1	P.I.A., Agra
15	Mr. Jagveer Singh	Irrigation Sup., IWMP-1	P.I.A., Agra
16	Mr. Mahesh Chandra	Irrigation Sup., IWMP-1	P.I.A., Agra
17	Mr. Mahesh Babu	Irrigation Sup., IWMP-1	P.I.A., Agra
18	Mr. Vinit Kumar Tiwari	Irrigation Sup., IWMP-1	P.I.A., Agra
19	Mr. LIM Rao	CEO	AIM Geotech (Pvt) Ltd, Lucknow
20	Mr. R. L. Prasad	External Expert	AIM Geotech (Pvt) Ltd, Lucknow
21	Ms. Kuhelee Chandel	GIS Expert	AIM Geotech (Pvt) Ltd, Lucknow

22	Mr. Sanjeev Tripathi	Planning Expert	AIM Geotech (Pvt) Ltd, Lucknow
23	Mr. Jitendra Singh	Agriculture Expert	AIM Geotech (Pvt) Ltd, Lucknow
24	Dr. Rajiv Kumar	GIS Expert	AIM Geotech (Pvt) Ltd, Lucknow
25	Mr. Vikas Gupta	Project Manager	AIM Geotech (Pvt) Ltd, Lucknow

Annexure - I

Table I.1 Gram Panchyat/Watershed wise and Structurewise Cost of Watershed development activities

Name of Gram Panchayat : Basai Jagner

S.No	Watershed Code	Village Name	Structure Code	Top width (T) m	Base width (B) m	Height (H) m	CS (T+B)/2*H sqm	Length m	Earth Work Sqm	Dressing + Others	Outlets	Type of outlet	EW Cost (Rs.)	Sodding Cost (Rs.)	Outlet Cost (Rs.)	Total Cost (Rs.)
Details of Soil Moisture measures																
1	2C5A5i3f	Nasaua	AFS01					32946		0						98837
2	2C5A5g1g	Karhaki	AFS02					39382		0						118147
3	2C5A5g1g	Karhaki	AFS01					32605		0						97815
4	2C5A5g1e	Basai Jagner	AFS01					209830		0						629489
5	2C5A5g1f	Karhaki	AFS01					35125		0						105374
6	2C5A5g3c	Basai Jagner	CB20	0.45	2.25	0.6	0.81	255	206.5	627.2	0	DSW	6355	941		7773
7	2C5A5g3c	Basai Jagner	CB31	0.45	2.25	0.6	0.81	367	297.2	902.5	0	DSW	9144	1354		11184
8	2C5A5g3c	Basai Jagner	CB30	0.45	2.25	0.6	0.81	320	259.6	788.4	0	DSW	7987	1183		9769
9	2C5A5g3c	Basai Jagner	CB29	0.45	2.25	0.6	0.81	215	174.2	528.9	0	DSW	5359	793		6554
10	2C5A5g3c	Basai Jagner	CB28	0.45	2.25	0.6	0.81	591	478.6	1453.4	0	DSW	14726	2180		18010
11	2C5A5g3c	Basai Jagner	CB27	0.45	2.25	0.6	0.81	223	180.4	547.8	0	DSW	5550	822		6787
12	2C5A5g3c	Basai Jagner	CB26	0.45	2.25	0.6	0.81	198	160.2	486.6	0	DSW	4930	730		6029
13	2C5A5g3c	Basai Jagner	CB25	0.45	2.25	0.6	0.81	759	614.7	1866.8	0	DSW	18914	2800		23133
14	2C5A5g3c	Basai Jagner	CB24	0.45	2.25	0.6	0.81	103	83.3	252.8	0	DSW	2562	379		3133
15	2C5A5g3c	Basai Jagner	CB32	0.45	2.25	0.6	0.81	375	303.8	922.6	0	DSW	9347	1384		11432
16	2C5A5g3c	Basai Jagner	CB21	0.45	2.25	0.6	0.81	238	192.7	585.4	0	DSW	5931	878		7254
17	2C5A5g3c	Basai Jagner	CB12	0.45	2.25	0.6	0.81	624	505.4	1534.8	0	DSW	15550	2302		19019
18	2C5A5g3c	Basai Jagner	CB19	0.45	2.25	0.6	0.81	174	140.8	427.6	0	DSW	4332	641		5298
19	2C5A5g3c	Basai Jagner	CB14	0.45	2.25	0.6	0.81	373	302.2	917.8	0	DSW	9299	1377		11373
20	2C5A5g3c	Basai Jagner	CB13	0.45	2.25	0.6	0.81	388	314.3	954.4	0	DSW	9670	1432		11827
21	2C5A5g3c	Basai Jagner	CB11	0.45	2.25	0.6	0.81	183	148.5	451.1	0	DSW	4570	677		5590
22	2C5A5g3c	Basai Jagner	CB09	0.45	2.25	0.6	0.81	171	138.2	419.8	0	DSW	4253	630		5201
23	2C5A5g3c	Basai Jagner	CB08	0.45	2.25	0.6	0.81	109	88.5	268.6	0	DSW	2722	403		3329
24	2C5A5g3c	Basai Jagner	CB23	0.45	2.25	0.6	0.81	150	121.9	370.2	0	DSW	3751	555		4587

25	2C5A5g3c	Basai Jagner	CB52	0.45	2.25	0.6	0.81	1202	973.9	2957.6	0	DSW	29965	4436		36649
26	2C5A5g3c	Basai Jagner	CB10	0.45	2.25	0.6	0.81	189	153.3	465.6	0	DSW	4717	698		5769
27	2C5A5g3c	Basai Jagner	CB50	0.45	2.25	0.6	0.81	867	702.7	2134	0	DSW	21621	3201		26443
28	2C5A5g1e	Basai Jagner	CRB02	2.5	6.25	1.25	5.469	451	2467.7	3948.4			82249	5923		94340
29	2C5A5g1g	Basai Jagner	CRB03	2.5	6.25	1.25	5.469	419	2292.4	3667.9	0		76406	5502		87638
30	2C5A5g1f	Basai Jagner	CRB05	2.5	6.25	1.25	5.469	323	1765.9	2825.4	1	BOXIN	58857	4238	25000	92509
31	2C5A5g1f	Basai Jagner	CRB01	2.5	6.25	1.25	5.469	467	2555.9	4089.4	0	BOXIN	85187	6134		97710
32	2C5A5g1f	Basai Jagner	CRB06	2.5	6.25	1.25	5.469	292	1595.6	2553	0	BOXIN	53181	3829		60999
33	2C5A5g1g	Basai Jagner	CRB01	2.5	6.25	1.25	5.469	441	2409.1	3854.5	1		80294	5782		92098
34	2C5A5g1g	Basai Jagner	CRB02	2.5	6.25	1.25	5.469	391	2137	3419.3	0		71227	5129		81698
35	2C5A5g1f	Basai Jagner	CRB04	2.5	6.25	1.25	5.469	87	478.3	765.3	0	BOXIN	15941	1148		18285
36	2C5A5g1f	Basai Jagner	CRB02	2.5	6.25	1.25	5.469	113	619.6	991.4	0	BOXIN	20653	1487		23689
37	2C5A5g1f	Basai Jagner	CRB03	2.5	6.25	1.25	5.469	86	471.4	754.3	0	BOXIN	15713	1131		18022
38	2C5A5g3d	Basai Jagner	CRB03	2.5	6.25	1.25	5.469	638	3488.3	5581.2	0		116264	8372		133356
39	2C5A5g1e	Basai Jagner	CRB01	2.5	6.25	1.25	5.469	839	4587.2	7339.5			152891	11009		175367
40	2C5A5g3c	Basai Jagner	GP03	1.5	7.5	1.5	6.75	55		451.5	0	MSN	0	677		677
41	2C5A5g3c	Basai Jagner	GP02	1.5	7.5	1.5	6.75	70		574.7	0	MSN	0	862		862
42	2C5A5g3c	Basai Jagner	GP01	1.5	7.5	1.5	6.75	45		369.5	0	MSN	0	554		554
43	2C5A5g3c	Basai Jagner	PB02	0.7	3.7	1	2.2	246	541.6	987.2	1	DSW	16666	1481	7000	26396
44	2C5A5g1e	Basai Jagner	PB03	0.7	3.7	1	2.2	237	521.3	950.3			16042	1425		18670
45	2C5A5g1e	Basai Jagner	PB02	0.7	3.7	1	2.2	560	1233.1	2247.5			37941	3371		44158
46	2C5A5g3c	Basai Jagner	PB01	0.7	3.7	1	2.2	617	1356.3	2472.2	2	DSW	41734	3708	14000	62572
47	2C5A5g1e	Basai Jagner	PB01	0.7	3.7	1	2.2	541	1190.3	2169.6			36626	3254		42628
48	2C5A5g1f	Basai Jagner	PB02	0.7	3.7	1	2.2	776	1707	3111.4	1		52525	4667		61131
49	2C5A5g1f	Basai Jagner	PB01	0.7	3.7	1	2.2	662	1456	2653.8	1		44800	3981		52140
50	2C5A5g1f	Basai Jagner	SB30	0.5	3.5	1	2	500	1000.8	1831.5	0	DSW	30795	2747		35852
51	2C5A5g1f	Basai Jagner	SB27	0.5	3.5	1	2	423	846.8	1549.6	0	DSW	26056	2324		30335
52	2C5A5g1f	Basai Jagner	SB29	0.5	3.5	1	2	551	1101.4	2015.6	0	DSW	33891	3023		39456
53	2C5A5g1f	Basai Jagner	SB26	0.5	3.5	1	2	300	599.4	1097	0	DSW	18444	1645		21473
54	2C5A5g1f	Basai Jagner	SB25	0.5	3.5	1	2	362	724.5	1325.7	0	DSW	22291	1989		25952
55	2C5A5g1f	Basai Jagner	SB28	0.5	3.5	1	2	483	965.4	1766.8	0	DSW	29707	2650		34585
56	2C5A5g1g	Basai Jagner	SB17	0.5	3.5	1	2	173	345.2	631.8	0	DSW	10623	948		12367
57	2C5A5g3d	Basai Jagner	SB46	0.5	3.5	1	2	669	1338.5	2449.5	0	DSW	41186	3674		47949
58	2C5A5g3d	Basai Jagner	SB45	0.5	3.5	1	2	510	1019.2	1865.2	0	DSW	31362	2798		36512
59	2C5A5g3d	Basai Jagner	SB44	0.5	3.5	1	2	551	1102.1	2016.8	0	DSW	33911	3025		39480
60	2C5A5g3d	Basai Jagner	SB43	0.5	3.5	1	2	297	594	1087	0	DSW	18277	1630		21278

61	2C5A5g3d	Basai Jagner	SB41	0.5	3.5	1	2	314	627.9	1149	0	DSW	19320	1724		22492
62	2C5A5g3d	Basai Jagner	SB40	0.5	3.5	1	2	603	1205.1	2205.3	0	DSW	37081	3308		43170
63	2C5A5g3d	Basai Jagner	SB39	0.5	3.5	1	2	369	737.1	1349	0	DSW	22682	2023		26406
64	2C5A5g3d	Basai Jagner	SB38	0.5	3.5	1	2	965	1930.3	3532.5	0	DSW	59395	5299		69149
65	2C5A5g1f	Basai Jagner	SB34	0.5	3.5	1	2	458	915.5	1675.3	0	DSW	28169	2513		32794
66	2C5A5g1g	Basai Jagner	SB18	0.5	3.5	1	2	599	1199	2194.1	0	DSW	36892	3291		42950
67	2C5A5g1f	Basai Jagner	SB31	0.5	3.5	1	2	529	1057.1	1934.4	0	DSW	32526	2902		37867
68	2C5A5g1g	Basai Jagner	SB16	0.5	3.5	1	2	173	346	633.2	0	DSW	10646	950		12394
69	2C5A5g1g	Basai Jagner	SB15	0.5	3.5	1	2	254	507.4	928.5	0	DSW	15612	1393		18175
70	2C5A5g1g	Basai Jagner	SB14	0.5	3.5	1	2	239	478.9	876.3	0	DSW	14735	1314		17154
71	2C5A5g1f	Basai Jagner	SB36	0.5	3.5	1	2	461	921.2	1685.9	0	DSW	28346	2529		33001
72	2C5A5g1f	Basai Jagner	SB20	0.5	3.5	1	2	195	390.3	714.3	0	DSW	12011	1071		13983
73	2C5A5g1f	Basai Jagner	SB35	0.5	3.5	1	2	319	638.8	1169	0	DSW	19656	1753		22883
74	2C5A5g1f	Basai Jagner	SB33	0.5	3.5	1	2	313	625.1	1144	0	DSW	19235	1716		22394
75	2C5A5g1f	Basai Jagner	SB32	0.5	3.5	1	2	291	582.8	1066.6	0	DSW	17934	1600		20879
76	2C5A5g1g	Basai Jagner	SB23	0.5	3.5	1	2	371	741.4	1356.7	0	DSW	22812	2035		26558
77	2C5A5g1f	Karhaki	SB11	0.5	3.5	1	2	205	410.8	751.8	0	DSW	12640	1128		14716
78	2C5A5g1f	Basai Jagner	SB22	0.5	3.5	1	2	320	639.9	1171	0	DSW	19690	1757		22923
79	2C5A5g1g	Karhaki	SB07	0.5	3.5	1	2	444	888.6	1626.1	0	DSW	27341	2439		31831
80	2C5A5g1g	Karhaki	SB06	0.5	3.5	1	2	533	1066.9	1952.4	0	DSW	32828	2929		38219
81	2C5A5g1g	Karhaki	SB05	0.5	3.5	1	2	305	609	1114.5	0	DSW	18739	1672		21816
82	2C5A5g1g	Karhaki	SB04	0.5	3.5	1	2	384	767	1403.6	0	DSW	23601	2105		27477
83	2C5A5g1g	Karhaki	SB03	0.5	3.5	1	2	543	1085	1985.6	0	DSW	33387	2978		38869
84	2C5A5g1g	Karhaki	SB02	0.5	3.5	1	2	159	318	581.9	0	DSW	9784	873		11391
85	2C5A5g1g	Karhaki	SB01	0.5	3.5	1	2	629	1257.8	2301.7	0	DSW	38701	3453		45056
86	2C5A5g1g	Karhaki	SB13	0.5	3.5	1	2	112	224.7	411.2	0	DSW	6915	617		8050
87	2C5A5g1f	Karhaki	SB12	0.5	3.5	1	2	188	376.7	689.4	0	DSW	11591	1034		13495
88	2C5A5i3d	Nasaua	SB12	0.5	3.5	1	2	563	1126.2	2061	0	DSW	34654	3091		40345
89	2C5A5g1f	Karhaki	SB10	0.5	3.5	1	2	411	822	1504.2	0	DSW	25292	2256		29445
90	2C5A5g1f	Karhaki	SB09	0.5	3.5	1	2	73	145.2	265.7	0	DSW	4468	399		5201
91	2C5A5g1f	Karhaki	SB08	0.5	3.5	1	2	725	1449.2	2652	0	DSW	44591	3978		51913
92	2C5A5g1f	Karhaki	SB07	0.5	3.5	1	2	95	189.4	346.6	0	DSW	5827	520		6784
93	2C5A5g1f	Karhaki	SB06	0.5	3.5	1	2	239	478.1	874.9	0	DSW	14711	1312		17126
94	2C5A5g1f	Karhaki	SB05	0.5	3.5	1	2	209	418	764.9	0	DSW	12862	1147		14974
95	2C5A5g1f	Karhaki	SB04	0.5	3.5	1	2	67	133.2	243.8	0	DSW	4100	366		4773
96	2C5A5g1f	Karhaki	SB03	0.5	3.5	1	2	273	545.2	997.8	0	DSW	16777	1497		19532

97	2C5A5g1f	Karhaki	SB02	0.5	3.5	1	2	341	682.5	1248.9	0	DSW	21000	1873		24448
98	2C5A5g1f	Karhaki	SB13	0.5	3.5	1	2	339	678.7	1242	0	DSW	20883	1863		24312
99	2C5A5i3f	Nasaua	SB11	0.5	3.5	1	2	512	1024.6	1875	0	DSW	31526	2812		36703
100	2C5A5g1f	Basai Jagner	SB23	0.5	3.5	1	2	414	828.6	1516.3	0	DSW	25495	2274		29682
101	2C5A5g3d	Basai Jagner	SB47	0.5	3.5	1	2	758	1516.4	2775	0	DSW	46659	4162		54320
102	2C5A5g1f	Basai Jagner	SB21	0.5	3.5	1	2	182	363.4	665.1	0	DSW	11183	998		13019
103	2C5A5i3f	Basai Jagner	SB50	0.5	3.5	1	2	441	882.6	1615.2	0	DSW	27159	2423		31618
104	2C5A5g1f	Basai Jagner	SB19	0.5	3.5	1	2	522	1045	1912.3	0	DSW	32154	2868		37434
105	2C5A5g1f	Basai Jagner	SB18	0.5	3.5	1	2	388	776.7	1421.4	0	DSW	23899	2132		27824
106	2C5A5g1f	Basai Jagner	SB17	0.5	3.5	1	2	220	440.2	805.5	0	DSW	13544	1208		15768
107	2C5A5g1f	Basai Jagner	SB16	0.5	3.5	1	2	177	354.6	649	0	DSW	10912	973		12704
108	2C5A5g1g	Karhaki	SB10	0.5	3.5	1	2	310	619.5	1133.7	0	DSW	19063	1701		22193
109	2C5A5g1f	Basai Jagner	SB14	0.5	3.5	1	2	188	375.5	687.1	0	DSW	11554	1031		13451
110	2C5A5g1f	Basai Jagner	SB24	0.5	3.5	1	2	273	546.8	1000.7	0	DSW	16825	1501		19588
111	2C5A5i3f	Nasaua	SB10	0.5	3.5	1	2	518	1035.5	1895	0	DSW	31864	2843		37096
112	2C5A5i3f	Nasaua	SB09	0.5	3.5	1	2	212	423.1	774.3	0	DSW	13019	1161		15157
113	2C5A5i3f	Nasaua	SB08	0.5	3.5	1	2	795	1589.2	2908.3	0	DSW	48901	4362		56931
114	2C5A5i3f	Nasaua	SB07	0.5	3.5	1	2	183	366.2	670.1	0	DSW	11267	1005		13117
115	2C5A5i3f	Nasaua	SB06	0.5	3.5	1	2	646	1291.4	2363.2	0	DSW	39736	3545		46261
116	2C5A5i3f	Nasaua	SB05	0.5	3.5	1	2	368	735.6	1346.2	0	DSW	22635	2019		26351
117	2C5A5i3f	Nasaua	SB04	0.5	3.5	1	2	748	1496.8	2739.2	0	DSW	46058	4109		53621
118	2C5A5i3f	Nasaua	SB03	0.5	3.5	1	2	334	668.5	1223.4	0	DSW	20571	1835		23949
119	2C5A5i3f	Nasaua	SB02	0.5	3.5	1	2	202	403.8	739	0	DSW	12426	1108		14466
120	2C5A5g1f	Basai Jagner	SB15	0.5	3.5	1	2	135	270.4	494.8	0	DSW	8320	742		9687
121	2C5A5g1e	Basai Jagner	SB03	0.5	3.5	1	2	218	436.9	799.5	1	DSW	13442	1199		15650
122	2C5A5g1e	Basai Jagner	SB12	0.5	3.5	1	2	1219	2438.4	4462.2	1	DSW	75028	6693		87349
123	2C5A5g1e	Basai Jagner	SB11	0.5	3.5	1	2	403	806.9	1476.7	1	DSW	24829	2215		28906
124	2C5A5g1e	Basai Jagner	SB10	0.5	3.5	1	2	895	1790.8	3277.1	1	DSW	55103	4916		64151
125	2C5A5g1e	Basai Jagner	SB09	0.5	3.5	1	2	680	1359.2	2487.4	1	DSW	41823	3731		48691
126	2C5A5g1e	Basai Jagner	SB08	0.5	3.5	1	2	241	482.1	882.2	1	DSW	14833	1323		17269
127	2C5A5g1e	Basai Jagner	SB07	0.5	3.5	1	2	480	959.3	1755.6	1	DSW	29519	2633		34366
128	2C5A5g1e	Basai Jagner	SB06	0.5	3.5	1	2	172	343	627.8	1	DSW	10555	942		12289
129	2C5A5i3f	Basai Jagner	SB47	0.5	3.5	1	2	432	863.4	1579.9	0	DSW	26566	2370		30928
130	2C5A5g1e	Basai Jagner	SB04	0.5	3.5	1	2	333	665.9	1218.7	1	DSW	20491	1828		23856
131	2C5A5g1e	Basai Jagner	SB15	0.5	3.5	1	2	277	553.1	1012.2	1	DSW	17019	1518		19814
132	2C5A5g1e	Basai Jagner	SB02	0.5	3.5	1	2	113	226.2	414	1	DSW	6961	621		8104

133	2C5A5g1e	Basai Jagner	SB01	0.5	3.5	1	2	112	224.6	411	1	DSW	6911	616		8045
134	2C5A5g1e	Basai Jagner	SB33	0.5	3.5	1	2	302	604.3	1105.9	1	DSW	18594	1659		21648
135	2C5A5g3c	Basai Jagner	SB13	0.5	3.5	1	2	280	560	1024.8	0	DSW	17231	1537		20061
136	2C5A5g3c	Basai Jagner	SB12	0.5	3.5	1	2	249	497	909.6	0	DSW	15294	1364		17806
137	2C5A5g3c	Basai Jagner	SB11	0.5	3.5	1	2	145	289.9	530.5	0	DSW	8920	796		10384
138	2C5A5g3c	Basai Jagner	SB10	0.5	3.5	1	2	298	596.3	1091.2	0	DSW	18348	1637		21361
139	2C5A5g1e	Basai Jagner	SB05	0.5	3.5	1	2	466	931.5	1704.6	1	DSW	28662	2557		33369
140	2C5A5g1e	Basai Jagner	SB23	0.5	3.5	1	2	166	332.8	609.1	1	DSW	10241	914		11923
141	2C5A5g1e	Basai Jagner	SB32	0.5	3.5	1	2	1034	2067.9	3784.2	1	DSW	63628	5676		74076
142	2C5A5g1e	Basai Jagner	SB31	0.5	3.5	1	2	231	461.8	845.2	1	DSW	14211	1268		16545
143	2C5A5g1e	Basai Jagner	SB30	0.5	3.5	1	2	327	654.5	1197.7	1	DSW	20139	1797		23446
144	2C5A5g1e	Basai Jagner	SB29	0.5	3.5	1	2	130	259.6	475	1	DSW	7987	713		9299
145	2C5A5g1e	Basai Jagner	SB28	0.5	3.5	1	2	185	370.7	678.4	1	DSW	11407	1018		13280
146	2C5A5g1e	Basai Jagner	SB27	0.5	3.5	1	2	890	1780.3	3257.9	1	DSW	54779	4887		63774
147	2C5A5g1e	Basai Jagner	SB26	0.5	3.5	1	2	153	306.1	560.2	1	DSW	9420	840		10967
148	2C5A5g1e	Basai Jagner	SB13	0.5	3.5	1	2	701	1401.8	2565.3	1	DSW	43133	3848		50216
149	2C5A5g1e	Basai Jagner	SB24	0.5	3.5	1	2	180	360.2	659.2	1	DSW	11084	989		12904
150	2C5A5g1e	Basai Jagner	SB14	0.5	3.5	1	2	785	1569.1	2871.4	1	DSW	48281	4307		56209
151	2C5A5g1e	Basai Jagner	SB22	0.5	3.5	1	2	236	471.2	862.2	1	DSW	14498	1293		16879
152	2C5A5g1e	Basai Jagner	SB21	0.5	3.5	1	2	425	849.9	1555.3	1	DSW	26150	2333		30444
153	2C5A5g1e	Basai Jagner	SB20	0.5	3.5	1	2	471	942.3	1724.5	1	DSW	28996	2587		33757
154	2C5A5g1e	Basai Jagner	SB19	0.5	3.5	1	2	514	1028.6	1882.3	1	DSW	31650	2824		36847
155	2C5A5g1e	Basai Jagner	SB18	0.5	3.5	1	2	462	924.5	1691.8	1	DSW	28446	2538		33118
156	2C5A5g1e	Basai Jagner	SB17	0.5	3.5	1	2	199	397.1	726.6	1	DSW	12218	1090		14224
157	2C5A5g1e	Basai Jagner	SB16	0.5	3.5	1	2	269	537.6	983.7	1	DSW	16541	1476		19257
158	2C5A5g3c	Basai Jagner	SB07	0.5	3.5	1	2	63	126.3	231.1	0	DSW	3885	347		4523
159	2C5A5g1e	Basai Jagner	SB25	0.5	3.5	1	2	249	497.2	909.9	1	DSW	15299	1365		17812
160	2C5A5i3f	Basai Jagner	SB53	0.5	3.5	1	2	392	784.2	1435.1	0	DSW	24130	2153		28092
161	2C5A5g3c	Basai Jagner	SB09	0.5	3.5	1	2	205	409.6	749.6	0	DSW	12605	1124		14674
162	2C5A5g3c	Basai Jagner	CB51	0.5	3.5	1	2	667	1333.5	2440.2	0	DSW	41031	3660		47768
163	2C5A5g1f	Karhaki	SB01	0.5	3.5	1	2	361	723	1323.1	0	DSW	22247	1985		25900
164	2C5A5g1f	Basai Jagner	SB39	0.5	3.5	1	2	245	490.8	898.1	0	DSW	15101	1347		17581
165	2C5A5g1f	Karhaki	SB40	0.5	3.5	1	2	134	267.9	490.3	0	DSW	8244	735		9598
166	2C5A5i3f	Basai Jagner	SB56	0.5	3.5	1	2	376	752.4	1377	0	DSW	23153	2065		26955
167	2C5A5i3f	Basai Jagner	SB55	0.5	3.5	1	2	273	547	1001	0	DSW	16831	1501		19595
168	2C5A5g3c	Basai Jagner	CB15	0.5	3.5	1	2	653	1305.8	2389.6	0	DSW	40179	3584		46777

169	2C5A5i3f	Basai Jagner	SB54	0.5	3.5	1	2	259	518.2	948.3	0	DSW	15945	1422		18563
170	2C5A5g3c	Basai Jagner	CB16	0.5	3.5	1	2	341	682.7	1249.3	0	DSW	21006	1874		24456
171	2C5A5i3f	Basai Jagner	SB52	0.5	3.5	1	2	139	277.8	508.4	0	DSW	8548	763		9951
172	2C5A5i3f	Basai Jagner	SB51	0.5	3.5	1	2	243	485.2	887.9	0	DSW	14929	1332		17381
173	2C5A5i3f	Basai Jagner	SB49	0.5	3.5	1	2	150	300	549.1	0	DSW	9232	824		10748
174	2C5A5i3f	Basai Jagner	SB46	0.5	3.5	1	2	156	312	571	0	DSW	9601	857		11178
175	2C5A5i3f	Basai Jagner	SB45	0.5	3.5	1	2	401	802.2	1468.1	0	DSW	24684	2202		28738
176	2C5A5g1f	Basai Jagner	SB37	0.5	3.5	1	2	62	124.2	227.3	0	DSW	3822	341		4449
177	2C5A5g1g	Basai Jagner	SB25	0.5	3.5	1	2	151	301.4	551.5	0	DSW	9273	827		10796
178	2C5A5g1g	Basai Jagner	SB24	0.5	3.5	1	2	327	654.4	1197.6	0	DSW	20136	1796		23443
179	2C5A5i3f	Basai Jagner	CRB01	0.5	3.5	1	2	383	765.1	1400.2	0		23544	2100		27410
180	2C5A5g1e	Basai Jagner	SB36	0.5	3.5	1	2	538	1076.4	1969.8	1	DSW	33121	2955		38560
181	2C5A5g3d	Basai Jagner	SB48	0.5	3.5	1	2	659	1318.2	2412.2	0	DSW	40560	3618		47220
182	2C5A5g3c	Basai Jagner	SB06	0.5	3.5	1	2	348	695.2	1272.2	0	DSW	21390	1908		24903
183	2C5A5g3c	Basai Jagner	SB05	0.5	3.5	1	2	391	781	1429.3	0	DSW	24032	2144		27978
184	2C5A5g3c	Basai Jagner	SB04	0.5	3.5	1	2	543	1085.4	1986.4	0	DSW	33399	2980		38884
185	2C5A5g3c	Basai Jagner	SB03	0.5	3.5	1	2	529	1058.9	1937.7	0	DSW	32581	2907		37931
186	2C5A5g3c	Basai Jagner	SB02	0.5	3.5	1	2	220	439.6	804.4	0	DSW	13525	1207		15746
187	2C5A5g3c	Basai Jagner	SB01	0.5	3.5	1	2	163	326.3	597.1	0	DSW	10040	896		11688
188	2C5A5i3f	Nasaua	SB59	0.5	3.5	1	2	241	481.3	880.8	0	DSW	14810	1321		17242
189	2C5A5g1e	Basai Jagner	SB35	0.5	3.5	1	2	425	849.4	1554.4	1	DSW	26136	2332		30428
190	2C5A5g3c	Basai Jagner	SB08	0.5	3.5	1	2	315	629	1151.1	0	DSW	19354	1727		22533
191	2C5A5g1e	Basai Jagner	SB37	0.5	3.5	1	2	488	976.7	1787.4	1	DSW	30054	2681		34989
192	2C5A5g1e	Basai Jagner	SB38	0.5	3.5	1	2	367	733.3	1341.9	1	DSW	22563	2013		26269
193	2C5A5g1e	Basai Jagner	SB39	0.5	3.5	1	2	716	1432	2620.5	1	DSW	44062	3931		51298
194	2C5A5g3c	Basai Jagner	CB22	0.5	3.5	1	2	394	788	1442	0	DSW	24247	2163		28228
195	2C5A5g1f	Karhaki	SB38	0.5	3.5	1	2	305	609.9	1116.1	0	DSW	18767	1674		21848
196	2C5A5g1g	Basai Jagner	SB37	0.5	3.5	1	2	206	413	755.8	0	DSW	12708	1134		14795
197	2C5A5g3c	Basai Jagner	CB18	0.5	3.5	1	2	75	150	274.6	0	DSW	4616	412		5375
198	2C5A5g3c	Basai Jagner	CB17	0.5	3.5	1	2	224	448.3	820.4	0	DSW	13794	1231		16059
199	2C5A5g1e	Basai Jagner	SB34	0.5	3.5	1	2	325	650.7	1190.8	1	DSW	20023	1786		23311
Total								421648	150071	351100	46		4681344	46000	46000	6545313
Details of Water Resources																
200	2C5A5g3d							32		0		A	0	0		479999
201	2C5A5g3c	Basai Jagner	CD01					20		0	0	B	0	0		399999
202	2C5A5i3f	Basai Jagner	WHB08	2	7.25	1.75	8.094	403	3259.1	3463	0	BOXIN	117230	5194		137314

203	2C5A5i3f	Basai Jagner	WHB07	2	7.25	1.75	8.094	1022	8272.6	8790.1	0	BOXIN	297567	13185		348546
204	2C5A5i3f	Basai Jagner	WHB06	2	7.25	1.75	8.094	1364	11043	11733.8	0	BOXIN	397219	17601		465271
205	2C5A5g3d	Basai Jagner	WHB03	2	7.25	1.75	8.094	114	925.7	983.6	0	BOXIN	33299	1475		39003
206	2C5A5g3d	Basai Jagner	WHB02	2	7.25	1.75	8.094	363	2936.6	3120.3	0	BOXIN	105630	4680		123726
207	2C5A5g1g	Basai Jagner	WHB02	2	7.25	1.75	8.094	434	3511.2	3730.8	0	BOXIN	126299	5596		147936
208	2C5A5g1f	Karhaki	WHB01	2	7.25	1.75	8.094	460	3724.6	3957.5	0	DSW	133973	5936		156925
209	2C5A5g1f	Basai Jagner	WHB06	2	7.25	1.75	8.094	361	2921	3103.7	1	BOXIN	105067	4656	40000	163067
210	2C5A5i3f	Basai Jagner	WHB11	2	7.25	1.75	8.094	229	1855.2	1971.3	0	BOXIN	66732	2957		78164
211	2C5A5g1f	Basai Jagner	WHB05	2	7.25	1.75	8.094	169	1371.3	1457.1	0	DSW	49326	2186		57777
212	2C5A5i3f	Nasaua	WHB05	2	7.25	1.75	8.094	390	3158.3	3355.9	0	BOXIN	113606	5034		133068
213	2C5A5i3f	Nasaua	WHB04	2	7.25	1.75	8.094	665	5381	5717.5	0	BOXIN	193554	8576		226713
214	2C5A5i3f	Nasaua	WHB02	2	7.25	1.75	8.094	523	4229.5	4494.1	1	BOXIN	152135	6741	40000	218199
215	2C5A5i3f	Nasaua	WHB01	2	7.25	1.75	8.094	529	4279.1	4546.8	0	BOXIN	153919	6820		180289
216	2C5A5g1f	Karhaki	WHB04	2	7.25	1.75	8.094	198	1600.2	1700.3	0	BOXIN	57559	2550		67420
217	2C5A5g1f	Karhaki	WHB03	2	7.25	1.75	8.094	435	3520.5	3740.7	0	BOXIN	126633	5611		148327
218	2C5A5g1f	Karhaki	WHB02	2	7.25	1.75	8.094	343	2772.4	2945.8	0	BOXIN	99724	4419		116808
219	2C5A5g1g	Basai Jagner	WHB01	2	7.25	1.75	8.094	266	2156.2	2291.1	1	BOXIN	77559	3437	40000	130847
220	2C5A5i3d	Nasaua	WHB03	2	7.25	1.75	8.094	857	6933	7366.7	1	BOXIN	249380	11050	40000	332104
221	2C5A5g1g	Basai Jagner	WHB07	2	7.25	1.75	8.094	5	37.7	40	0	BOXIN	1354	60		1586
222	2C5A5g1f	Karhaki	WHB08	2	7.25	1.75	8.094	78	628.5	667.8	0	DSW	22608	1002		26481
223	2C5A5g1f	Basai Jagner	WHB07	2	7.25	1.75	8.094	193	1559.8	1657.4	0	DSW	56108	2486		65720
224	2C5A5g1g	Basai Jagner	WHB07	2	7.25	1.75	8.094	5	37.1	39.4	1	BOXIN	1335	59	40000	41563
225	2C5A5g1g	Basai Jagner	WHB07	2	7.25	1.75	8.094	565	4571.7	4857.7	1	BOXIN	164445	7287	40000	232618
226	2C5A5g1g	Basai Jagner	WHB07	2	7.25	1.75	8.094	7	57.9	61.5	0	BOXIN	2081	92		2438
227	2C5A5i3f	Basai Jagner	WHB09	2	7.25	1.75	8.094	343	2775.8	2949.4	0	BOXIN	99846	4424		116952
228	2C5A5i3f	Nasaua	WHB03	2	7.25	1.75	8.094	155	1253.9	1332.3	0	BOXIN	45102	1998		52829
229	2C5A5i3f	Basai Jagner	WHB10	2	7.25	1.75	8.094	219	1771.9	1882.8	0	BOXIN	63737	2824		74656
230	2C5A5g1e	Basai Jagner	WHB03	2	7.25	1.75	8.094	351	2837.9	3015.4	1	BOXIN	102079	4523	40000	159567
231	2C5A5g1e	Basai Jagner	WHB02	2	7.25	1.75	8.094	403	3260.5	3464.4	1	BOXIN	117279	5197	40000	177371
232	2C5A5g1e	Basai Jagner	WHB01	2	7.25	1.75	8.094	634	5133.8	5455	1	BOXIN	184665	8182	40000	256301
233	2C5A5g3c	Basai Jagner	WHB01	2	7.25	1.75	8.094	156	1259.9	1338.7	0	DSW	45320	2008		53084
234	2C5A5g3d	Basai Jagner	WHB04	2	7.25	1.75	8.094	746	6040.6	6418.4	1	BOXIN	217279	9628	40000	294503
235	2C5A5i3f	Basai Jagner	WHB12	2	7.25	1.75	8.094	430	3478.1	3695.6	1	BOXIN	125107	5543	40000	186541
236	2C5A5g1g	Basai Jagner	WHB07	2	7.25	1.75	8.094	5	38.6	41	0	BOXIN	1387	61		1625
237	2C5A5g1g	Basai Jagner	WHB07	2	7.25	1.75	8.094	0	0	0	0	BOXIN	1	0		1
Total								13472	108594	115387	11		3906144	440000	4E+05	5895338

Details of Afforestation and Agro forestry															
238	2C5A5g1g	Basai Jagner	AFL13					57							690
239	2C5A5g1g	Basai Jagner	AFL117					292							3510
240	2C5A5g3d	Basai Jagner	AFL177					53							630
241	2C5A5g1g	Basai Jagner	AFL04					39							480
242	2C5A5g3d	Basai Jagner	AFL178					170							2040
243	2C5A5g3d	Basai Jagner	AFL179					166							1980
244	2C5A5g1g	Basai Jagner	AFL08					83							990
245	2C5A5g3d	Basai Jagner	AFL180					164							1980
246	2C5A5g1g	Basai Jagner	AFL79					400							4800
247	2C5A5g1g	Basai Jagner	AFL12					46							540
248	2C5A5g1e	Basai Jagner	AFL16					461							5520
249	2C5A5g1g	Basai Jagner	AFL14					97							1170
250	2C5A5g1g	Basai Jagner	AFL112					146							1740
251	2C5A5g1g	Basai Jagner	AFL113					182							2190
252	2C5A5g1e	Basai Jagner	AFL17					22							270
253	2C5A5g1e	Basai Jagner	AFL18					272							3270
254	2C5A5g1e	Basai Jagner	AFL19					37							450
255	2C5A5g1e	Basai Jagner	AFL04					149							1800
256	2C5A5g1g	Basai Jagner	AFL10					96							1140
257	2C5A5g1e	Basai Jagner	AFL11					275							3300
258	2C5A5g1g	Kharahki	AFL184					141							1680
259	2C5A5g1g	Basai Jagner	AFL26					49							600
260	2C5A5g1g	Basai Jagner	AFL27					26							300
261	2C5A5g1e	Basai Jagner	AFL05					76							900
262	2C5A5g1e	Basai Jagner	AFL06					132							1590
263	2C5A5g1e	Basai Jagner	AFL07					433							5190
264	2C5A5g1e	Basai Jagner	AFL08					93							1110
265	2C5A5g1g	Basai Jagner	AFL80					180							2160
266	2C5A5g1e	Basai Jagner	AFL10					224							2700
267	2C5A5g1g	Basai Jagner	AFL121					416							4980
268	2C5A5g1g	Basai Jagner	AFL34					56							660
269	2C5A5g1e	Basai Jagner	AFL12					482							5790
270	2C5A5g1e	Basai Jagner	AFL13					92							1110
271	2C5A5g1e	Basai Jagner	AFL14					206							2460
272	2C5A5g1e	Basai Jagner	AFL15					469							5640

273	2C5A5g1g	Basai Jagner	AFL48					42							510
274	2C5A5g1g	Basai Jagner	AFL58					355							4260
275	2C5A5g1e	Basai Jagner	AFL09					364							4380
276	2C5A5g1f	Kharahki	AFL11					6							60
277	2C5A5g1e	Basai Jagner	AFL20					17							210
278	2C5A5g1g	Kharahki	AFL172					121							1440
279	2C5A5g1f	Basai Jagner	AFL06					453							5430
280	2C5A5g1f	Basai Jagner	AFL07					63							750
281	2C5A5g1f	Basai Jagner	AFL08					62							750
282	2C5A5g1f	Basai Jagner	AFL09					193							2310
283	2C5A5g1f	Kharahki	AFL10					141							1680
284	2C5A5g1f	Basai Jagner	AFL05					30							360
285	2C5A5g1g	Kharahki	AFL177					124							1500
286	2C5A5g1e	Basai Jagner	AFL22					989							11880
287	2C5A5g1f	Kharahki	AFL12					40							480
288	2C5A5g1g	Kharahki	AFL179					317							3810
289	2C5A5g1f	Basai Jagner	AFL13					33							390
290	2C5A5g1g	Kharahki	AFL181					218							2610
291	2C5A5i3f	Nasaua	AFL01					92							1110
292	2C5A5g1f	Basai Jagner	AFL15					196							2340
293	2C5A5g3d	Basai Jagner	AFL66					213							2550
294	2C5A5g1g	Kharahki	AFL176					210							2520
295	2C5A5g1g	Kharahki	AFL161					48							570
296	2C5A5g1e	Basai Jagner	AFL21					751							9000
297	2C5A5g1g	Basai Jagner	AFL147					1321							15840
298	2C5A5g1g	Kharahki	AFL154					381							4560
299	2C5A5g1g	Kharahki	AFL155					143							1710
300	2C5A5g1g	Kharahki	AFL156					40							480
301	2C5A5g1g	Kharahki	AFL157					231							2760
302	2C5A5g1g	Kharahki	AFL158					99							1200
303	2C5A5g1g	Kharahki	AFL171					275							3300
304	2C5A5g1g	Kharahki	AFL160					113							1350
305	2C5A5g1e	Basai Jagner	AFL03					257							3090
306	2C5A5g1g	Kharahki	AFL162					144							1740
307	2C5A5g1g	Kharahki	AFL163					32							390
308	2C5A5g1f	Basai Jagner	AFL01					1099							13200

309	2C5A5g1f	Basai Jagner	AFL02					240								2880
310	2C5A5g1g	Kharahki	AFL169					270								3240
311	2C5A5g1f	Basai Jagner	AFL03					95								1140
312	2C5A5g1f	Basai Jagner	AFL04					154								1860
313	2C5A5g1g	Kharahki	AFL159					156								1860
314	2C5A5g3c	Basai Jagner	AFL55					37								450
315	2C5A5g3d	Basai Jagner	AFL120					134								1620
316	2C5A5g3d	Basai Jagner	AFL87					833								9990
317	2C5A5g3d	Basai Jagner	AFL89					285								3420
318	2C5A5g3c	Basai Jagner	AFL51					333								3990
319	2C5A5g3c	Basai Jagner	AFL52					46								540
320	2C5A5g3c	Basai Jagner	AFL53					97								1170
321	2C5A5g3d	Basai Jagner	AFL103					81								960
322	2C5A5g3d	Basai Jagner	AFL84					389								4680
323	2C5A5g3d	Basai Jagner	AFL108					47								570
324	2C5A5g3d	Basai Jagner	AFL83					337								4050
325	2C5A5g3c	Basai Jagner	AFL56					88								1050
326	2C5A5g3d	Basai Jagner	AFL110					436								5220
327	2C5A5g3d	Basai Jagner	AFL111					91								1080
328	2C5A5g3d	Basai Jagner	AFL112					49								600
329	2C5A5g3d	Basai Jagner	AFL113					85								1020
330	2C5A5g3d	Basai Jagner	AFL118					135								1620
331	2C5A5g1g	Basai Jagner	AFL25					50								600
332	2C5A5g3c	Basai Jagner	AFL54					73								870
333	2C5A5g3d	Basai Jagner	AFL76					97								1170
334	2C5A5g3d	Basai Jagner	AFL67					176								2100
335	2C5A5g3d	Basai Jagner	AFL68					37								450
336	2C5A5g3d	Basai Jagner	AFL69					269								3240
337	2C5A5g3d	Basai Jagner	AFL70					93								1110
338	2C5A5g3d	Basai Jagner	AFL71					162								1950
339	2C5A5g3d	Basai Jagner	AFL72					81								960
340	2C5A5g3d	Basai Jagner	AFL73					156								1860
341	2C5A5g3c	Basai Jagner	AFL50					266								3180
342	2C5A5g3d	Basai Jagner	AFL75					96								1140
343	2C5A5g3d	Basai Jagner	AFL122					48								570
344	2C5A5g3d	Basai Jagner	AFL77					27								330

345	2C5A5g3d	Basai Jagner	AFL78					186								2220
346	2C5A5g3d	Basai Jagner	AFL79					57								690
347	2C5A5g3d	Basai Jagner	AFL80					139								1680
348	2C5A5g3c	Basai Jagner	AFL49					295								3540
349	2C5A5g3d	Basai Jagner	AFL81					64								780
350	2C5A5g3d	Basai Jagner	AFL82					155								1860
351	2C5A5g3d	Basai Jagner	AFL74					182								2190
352	2C5A5g1g	Basai Jagner	AFL19					124								1500
353	2C5A5g3c	Basai Jagner	AFL57					193								2310
354	2C5A5g3d	Basai Jagner	AFL156					160								1920
355	2C5A5g3d	Basai Jagner	AFL157					102								1230
356	2C5A5g3d	Basai Jagner	AFL158					28								330
357	2C5A5g3d	Basai Jagner	AFL160					42								510
358	2C5A5g1g	Basai Jagner	AFL15					2								30
359	2C5A5g1g	Basai Jagner	AFL16					227								2730
360	2C5A5g3d	Basai Jagner	AFL150					40								480
361	2C5A5g1g	Basai Jagner	AFL18					150								1800
362	2C5A5g3d	Basai Jagner	AFL149					69								840
363	2C5A5g1g	Basai Jagner	AFL20					49								600
364	2C5A5g1g	Basai Jagner	AFL21					360								4320
365	2C5A5g3d	Basai Jagner	AFL186					115								1380
366	2C5A5g1e	Basai Jagner	AFL01					177								2130
367	2C5A5g1e	Basai Jagner	AFL02					57								690
368	2C5A5g1g	Basai Jagner	AFL23					111								1320
369	2C5A5g1g	Basai Jagner	AFL24					32								390
370	2C5A5g1g	Basai Jagner	AFL17					119								1440
371	2C5A5g3d	Basai Jagner	AFL137					4								60
372	2C5A5g3d	Basai Jagner	AFL124					173								2070
373	2C5A5g3d	Basai Jagner	AFL125					150								1800
374	2C5A5g3d	Basai Jagner	AFL126					18								210
375	2C5A5g3d	Basai Jagner	AFL130					8								90
376	2C5A5g3c	Basai Jagner	AFL59					366								4380
377	2C5A5g3d	Basai Jagner	AFL132					64								780
378	2C5A5g3d	Basai Jagner	AFL133					38								450
379	2C5A5g3d	Basai Jagner	AFL152					146								1740
380	2C5A5g3d	Basai Jagner	AFL136					37								450

381	2C5A5g1f	Kharahki	AFL18					163							1950
382	2C5A5g3d	Basai Jagner	AFL138					45							540
383	2C5A5g3d	Basai Jagner	AFL139					51							600
384	2C5A5g3d	Basai Jagner	AFL140					17							210
385	2C5A5g3d	Basai Jagner	AFL141					36							420
386	2C5A5g3d	Basai Jagner	AFL142					199							2400
387	2C5A5g3d	Basai Jagner	AFL143					41							480
388	2C5A5g3d	Basai Jagner	AFL148					83							990
389	2C5A5g3d	Basai Jagner	AFL135					22							270
390	2C5A5i3f	Nasaua	AFL31					191							2280
391	2C5A5i3f	Basai Jagner	AFL44					1018							12210
392	2C5A5i3f	Nasaua	AFL22					89							1080
393	2C5A5i3f	Nasaua	AFL23					191							2280
394	2C5A5i3f	Basai Jagner	AFL24					185							2220
395	2C5A5g1f	Basai Jagner	AFL104					344							4140
396	2C5A5g1f	Basai Jagner	AFL105					488							5850
397	2C5A5g1f	Basai Jagner	AFL106					586							7020
398	2C5A5g1f	Basai Jagner	AFL103					326							3900
399	2C5A5i3f	Nasaua	AFL30					83							990
400	2C5A5g1f	Basai Jagner	AFL102					60							720
401	2C5A5i3f	Nasaua	AFL32					356							4260
402	2C5A5g1f	Basai Jagner	AFL107					359							4320
403	2C5A5i3f	Basai Jagner	AFL38					316							3780
404	2C5A5i3f	Basai Jagner	AFL39					65							780
405	2C5A5i3f	Basai Jagner	AFL40					122							1470
406	2C5A5i3f	Basai Jagner	AFL41					201							2400
407	2C5A5g1f	Basai Jagner	AFL72					5							60
408	2C5A5i3f	Nasaua	AFL29					83							990
409	2C5A5g1f	Basai Jagner	AFL88					105							1260
410	2C5A5g1f	Kharahki	AFL16					10							120
411	2C5A5g1g	Kharahki	AFL203					90							1080
412	2C5A5g1g	Kharahki	AFL204					156							1860
413	2C5A5g1g	Kharahki	AFL205					409							4920
414	2C5A5i3f	Nasaua	AFL17					56							660
415	2C5A5g1f	Basai Jagner	AFL84					48							570
416	2C5A5g1f	Basai Jagner	AFL85					279							3360

417	2C5A5i3f	Nasaua	AFL21					276								3300
418	2C5A5g1f	Basai Jagner	AFL87					6								60
419	2C5A5i3f	Basai Jagner	AFL45					1115								13380
420	2C5A5g1f	Basai Jagner	AFL92					46								540
421	2C5A5g1f	Basai Jagner	AFL93					25								300
422	2C5A5g1f	Basai Jagner	AFL97					204								2460
423	2C5A5g1f	Basai Jagner	AFL98					38								450
424	2C5A5g1f	Basai Jagner	AFL99					118								1410
425	2C5A5g1f	Basai Jagner	AFL100					114								1380
426	2C5A5g1f	Basai Jagner	AFL101					146								1740
427	2C5A5g1f	Basai Jagner	AFL86					89								1080
428	2C5A5i3f	Basai Jagner	AFL81					89								1080
429	2C5A5g1f	Basai Jagner	AFL108					519								6240
430	2C5A5i3f	Nasaua	AFL70					534								6420
431	2C5A5i3f	Basai Jagner	AFL71					494								5940
432	2C5A5i3f	Basai Jagner	AFL73					834								10020
433	2C5A5i3f	Basai Jagner	AFL74					367								4410
434	2C5A5i3f	Basai Jagner	AFL75					54								660
435	2C5A5i3f	Basai Jagner	AFL76					189								2280
436	2C5A5i3f	Basai Jagner	AFL68					144								1740
437	2C5A5i3f	Basai Jagner	AFL80					10								120
438	2C5A5i3f	Basai Jagner	AFL67					171								2040
439	2C5A5i3f	Basai Jagner	AFL82					56								660
440	2C5A5i3f	Basai Jagner	AFL84					285								3420
441	2C5A5i3f	Basai Jagner	AFL91					290								3480
442	2C5A5i3f	Basai Jagner	AFL93					63								750
443	2C5A5i3f	Basai Jagner	AFL95					203								2430
444	2C5A5i3f	Basai Jagner	AFL99					137								1650
445	2C5A5i3f	Basai Jagner	AFL100					151								1800
446	2C5A5i3f	Basai Jagner	AFL78					73								870
447	2C5A5i3f	Basai Jagner	AFL56					371								4440
448	2C5A5i3f	Basai Jagner	AFL46					44								540
449	2C5A5i3f	Nasaua	AFL47					451								5400
450	2C5A5i3f	Basai Jagner	AFL48					309								3720
451	2C5A5i3f	Basai Jagner	AFL49					224								2700
452	2C5A5i3f	Basai Jagner	AFL50					72								870

453	2C5A5i3f	Basai Jagner	AFL51					126								1500
454	2C5A5i3f	Basai Jagner	AFL52					81								960
455	2C5A5i3f	Basai Jagner	AFL69					66								780
456	2C5A5i3f	Basai Jagner	AFL55					285								3420
457	2C5A5g1f	Basai Jagner	AFL71					399								4800
458	2C5A5i3f	Basai Jagner	AFL57					210								2520
459	2C5A5i3f	Basai Jagner	AFL60					56								660
460	2C5A5i3f	Basai Jagner	AFL61					63								750
461	2C5A5i3f	Basai Jagner	AFL62					226								2700
462	2C5A5i3f	Basai Jagner	AFL63					134								1620
463	2C5A5i3f	Basai Jagner	AFL64					91								1080
464	2C5A5i3f	Basai Jagner	AFL66					131								1560
465	2C5A5i3f	Basai Jagner	AFL54					48								570
466	2C5A5i3f	Nasaua	AFL08					175								2100
467	2C5A5g1g	Kharahki	AFL190					3								30
468	2C5A5g1f	Kharahki	AFL38					49								600
469	2C5A5g1g	Kharahki	AFL185					4								60
470	2C5A5i3f	Basai Jagner	AFL06					632								7590
471	2C5A5g1g	Kharahki	AFL186					137								1650
472	2C5A5g1f	Kharahki	AFL39					27								330
473	2C5A5g1f	Kharahki	AFL40					28								330
474	2C5A5g1f	Kharahki	AFL36					39								480
475	2C5A5i3f	Nasaua	AFL07					50								600
476	2C5A5g1f	Kharahki	AFL35					46								540
477	2C5A5g1f	Kharahki	AFL43					46								540
478	2C5A5g1g	Kharahki	AFL187					878								10530
479	2C5A5g1g	Kharahki	AFL188					103								1230
480	2C5A5g1f	Kharahki	AFL45					236								2820
481	2C5A5g1f	Basai Jagner	AFL46					124								1500
482	2C5A5i3f	Basai Jagner	AFL09					428								5130
483	2C5A5g1f	Basai Jagner	AFL73					21								240
484	2C5A5g1f	Kharahki	AFL41					59								720
485	2C5A5g1f	Basai Jagner	AFL28					227								2730
486	2C5A5g1f	Kharahki	AFL19					97								1170
487	2C5A5g1f	Basai Jagner	AFL20					24								300
488	2C5A5g1f	Basai Jagner	AFL21					171								2040

489	2C5A5g1f	Basai Jagner	AFL22					14								180
490	2C5A5g1f	Basai Jagner	AFL23					42								510
491	2C5A5g1f	Kharahki	AFL25					28								330
492	2C5A5g1f	Kharahki	AFL26					96								1140
493	2C5A5g1f	Kharahki	AFL37					86								1020
494	2C5A5g1f	Kharahki	AFL27					37								450
495	2C5A5g1g	Kharahki	AFL191					171								2040
496	2C5A5g1f	Kharahki	AFL29					61								720
497	2C5A5g1f	Kharahki	AFL30					49								600
498	2C5A5g1f	Basai Jagner	AFL32					30								360
499	2C5A5i3f	Nasaua	AFL03					264								3180
500	2C5A5i3f	Nasaua	AFL04					143								1710
501	2C5A5i3f	Nasaua	AFL05					88								1050
502	2C5A5g1f	Kharahki	AFL34					54								660
503	2C5A5i3f	Nasaua	AFL02					68								810
504	2C5A5g1g	Kharahki	AFL202					68								810
505	2C5A5g1g	Kharahki	AFL189					109								1320
506	2C5A5g1f	Basai Jagner	AFL58					196								2340
507	2C5A5g1f	Basai Jagner	AFL59					23								270
508	2C5A5g1g	Kharahki	AFL199					417								5010
509	2C5A5g1f	Basai Jagner	AFL60					32								390
510	2C5A5g1f	Basai Jagner	AFL61					106								1260
511	2C5A5g1f	Basai Jagner	AFL62					135								1620
512	2C5A5g1f	Basai Jagner	AFL56					530								6360
513	2C5A5g1g	Kharahki	AFL201					145								1740
514	2C5A5g1g	Kharahki	AFL198					40								480
515	2C5A5g1f	Basai Jagner	AFL63					154								1860
516	2C5A5g1f	Basai Jagner	AFL64					56								660
517	2C5A5g1f	Basai Jagner	AFL65					217								2610
518	2C5A5g1f	Basai Jagner	AFL66					173								2070
519	2C5A5g1f	Basai Jagner	AFL68					24								300
520	2C5A5g1f	Basai Jagner	AFL69					280								3360
521	2C5A5g1f	Basai Jagner	AFL70					151								1800
522	2C5A5g1g	Kharahki	AFL200					116								1380
523	2C5A5g1g	Kharahki	AFL195					160								1920
524	2C5A5g1g	Kharahki	AFL192					53								630

525	2C5A5i3f	Nasaua	AFL10					197								2370
526	2C5A5i3f	Nasaua	AFL11					536								6420
527	2C5A5g1f	Basai Jagner	AFL48					54								660
528	2C5A5g1f	Basai Jagner	AFL49					126								1500
529	2C5A5g1f	Basai Jagner	AFL50					56								660
530	2C5A5g1f	Basai Jagner	AFL51					80								960
531	2C5A5g1f	Basai Jagner	AFL57					62								750
532	2C5A5g1g	Kharahki	AFL194					175								2100
533	2C5A5i3f	Basai Jagner	AFL102					936								11220
534	2C5A5g1f	Kharahki	AFL52					331								3960
535	2C5A5i3f	Basai Jagner	AFL12					598								7170
536	2C5A5g1g	Kharahki	AFL196					70								840
537	2C5A5g1g	Kharahki	AFL197					52								630
538	2C5A5g1f	Basai Jagner	AFL53					67								810
539	2C5A5g1f	Basai Jagner	AFL54					205								2460
540	2C5A5g1f	Basai Jagner	AFL55					64								780
541	2C5A5g1g	Kharahki	AFL193					69								840
Total																654840
Grand Total																13095491

Name of Gram Panchayat : Ghaskata

S.No	Watershed Code	Village Name	Structure Code	Top width (T) m	Base width (B) m	Height (H) m	CS (T+B)/2*H sqm	Length m	Earth Work Sqm	Dressing + Others	Outlets	Type of outlet	EW Cost (Rs.)	Sodding Cost (Rs.)	Outlet Cost (Rs.)	Total Cost (Rs.)
Details of Soil Moisture measures																
1	2C5A5i3d	Gadhi Karimpur	PB02	0.7	3.7	1	2.2	466	1025.9	1870	0		31568	2805		36741
2	2C5A5i3d	Gadhi Karimpur	PB03	0.7	3.7	1	2.2	452	994.1	1812	0		30588	2718		35600
3	2C5A5i3d	Gadhi Karimpur	PB03	0.7	3.7	1	2.2	10	22.5	41	0		693	62		806
4	2C5A5i3d	Gadhi Karimpur	PB03	0.7	3.7	1	2.2	10	21.3	38.8	0		654	58		762
5	2C5A5i3d	Gadhi	PB03	0.7	3.7	1	2.2	10	22	40.1	0		677	60		788

		Karimpur														
6	2C5A5i3d	Gadhi Karimpur	PB01	0.7	3.7	1	2.2	674	1483.5	2704	0		45647	4056		53127
7	2C5A5i3d	Gadhi Karimpur	PB02	0.7	3.7	1	2.2	0	0	0	0		1	0		1
8	2C5A5i3d	Gadhi Karimpur	SB03	0.5	3.5	1	2	418	836.9	1531.5	0	DSW	25751	2297		29980
9	2C5A5i3d	Gadhi Karimpur	SB04	0.5	3.5	1	2	297	593.8	1086.7	0	DSW	18272	1630		21273
10	2C5A5i3d	Gadhi Karimpur	SB05	0.5	3.5	1	2	730	1460.8	2673.3	0	DSW	44949	4010		52331
11	2C5A5i3d	Gadhi Karimpur	SB06	0.5	3.5	1	2	478	956.4	1750.2	0	DSW	29428	2625		34260
12	2C5A5i3d	Gadhi Karimpur	SB07	0.5	3.5	1	2	318	636.6	1164.9	0	DSW	19587	1747		22804
13	2C5A5i3d	Gadhi Karimpur	SB08	0.5	3.5	1	2	393	785.7	1437.8	0	DSW	24175	2157		28145
14	2C5A5i3d	Gadhi Karimpur	SB01	0.5	3.5	1	2	891	1781.9	3260.8	0	DSW	54829	4891		63832
15	2C5A5i3d	Gadhi Karimpur	SB11	0.5	3.5	1	2	430	860.3	1574.3	0	DSW	26470	2361		30817
16	2C5A5i3d	Gadhi Karimpur	SB02	0.5	3.5	1	2	1543	3086.7	5648.7	0	DSW	94978	8473		110574
17	2C5A5i3d	Gadhi Karimpur	SB02	0.5	3.5	1	2	14	27.9	51.1	0	DSW	859	77		1000
18	2C5A5i3d	Gadhi Karimpur	SB09	0.5	3.5	1	2	921	1842.1	3371.1	0	DSW	56682	5057		65990
Total								8055	16438	37935.6	0		505808	0		588831
Details of Water Resources																
19	2C5A5i3d	Gadhi Karimpur	WHB02	2	7.25	1.75	8.094	370	2996	3183.3	0	BOXIN	107765	4775		126227
Total								370	2996	3183.3	0		107765	0		126227
Details of Afforestation and Agro forestry																
20	2C5A5i3d	Gadhi Karimpur	AFL07					80								960
21	2C5A5i3d	Gadhi Karimpur	AFL34					344								4140
22	2C5A5i3d	Gadhi	AFL33					305								3660

		Karimpur														
23	2C5A5i3d	Gadhi Karimpur	AFL32					302								3630
24	2C5A5i3d	Gadhi Karimpur	AFL30					205								2460
25	2C5A5i3d	Gadhi Karimpur	AFL28					72								870
26	2C5A5i3d	Gadhi Karimpur	AFL25					11								120
27	2C5A5i3d	Gadhi Karimpur	AFL24					127								1530
28	2C5A5i3d	Gadhi Karimpur	AFL19					347								4170
29	2C5A5i3d	Gadhi Karimpur	AFL17					80								960
30	2C5A5i3d	Gadhi Karimpur	AFL14					84								1020
31	2C5A5i3d	Gadhi Karimpur	AFL11					79								960
32	2C5A5i3d	Gadhi Karimpur	AFL63					88								1050
33	2C5A5i3d	Gadhi Karimpur	AFL08					36								420
34	2C5A5i3d	Gadhi Karimpur	AFL38					77								930
35	2C5A5i3d	Gadhi Karimpur	AFL06					478								5730
36	2C5A5i3d	Gadhi Karimpur	AFL05					136								1620
37	2C5A5i3d	Gadhi Karimpur	AFL04					514								6180
38	2C5A5i3d	Gadhi Karimpur	AFL02					69								840
39	2C5A5i3d	Gadhi Karimpur	AFL70					120								1440
40	2C5A5i3d	Gadhi Karimpur	AFL70					164								1980
41	2C5A5i3d	Gadhi	AFL42					20								240

		Karimpur														
42	2C5A5i3d	Gadhi Karimpur	AFL29					104								1260
43	2C5A5i3d	Gadhi Karimpur	AFL80					144								1740
44	2C5A5i3d	Gadhi Karimpur	AFL73					88								1050
45	2C5A5i3d	Gadhi Karimpur	AFL47					87								1050
46	2C5A5i3d	Gadhi Karimpur	AFL09					77								930
47	2C5A5i3d	Gadhi Karimpur	AFL63					96								1140
48	2C5A5i3d	Gadhi Karimpur	AFL88					55								660
49	2C5A5i3d	Gadhi Karimpur	AFL87					93								1110
50	2C5A5i3d	Gadhi Karimpur	AFL85					34								420
51	2C5A5i3d	Gadhi Karimpur	AFL84					157								1890
52	2C5A5i3d	Gadhi Karimpur	AFL82					62								750
53	2C5A5i3d	Gadhi Karimpur	AFL80					213								2550
54	2C5A5i3d	Gadhi Karimpur	AFL77					258								3090
55	2C5A5i3d	Gadhi Karimpur	AFL76					130								1560
56	2C5A5i3d	Gadhi Karimpur	AFL73					187								2250
57	2C5A5i3d	Gadhi Karimpur	AFL69					25								300
58	2C5A5i3d	Gadhi Karimpur	AFL67					6								60
59	2C5A5i3d	Gadhi Karimpur	AFL35					138								1650
60	2C5A5i3d	Gadhi	AFL64					55								660

		Karimpur														
61	2C5A5i3d	Gadhi Karimpur	AFL36					328								3930
62	2C5A5i3d	Gadhi Karimpur	AFL61					56								660
63	2C5A5i3d	Gadhi Karimpur	AFL60					5								60
64	2C5A5i3d	Gadhi Karimpur	AFL59					42								510
65	2C5A5i3d	Gadhi Karimpur	AFL56					125								1500
66	2C5A5i3d	Gadhi Karimpur	AFL53					125								1500
67	2C5A5i3d	Gadhi Karimpur	AFL52					39								480
68	2C5A5i3d	Gadhi Karimpur	AFL51					66								780
69	2C5A5i3d	Gadhi Karimpur	AFL46					129								1560
70	2C5A5i3d	Gadhi Karimpur	AFL43					89								1080
71	2C5A5i3d	Gadhi Karimpur	AFL42					293								3510
72	2C5A5i3d	Gadhi Karimpur	AFL41					73								870
73	2C5A5i3d	Gadhi Karimpur	AFL92					153								1830
74	2C5A5i3d	Gadhi Karimpur	AFL66					75								900
Total																88200
Grand Total																803258

Name of Gram Panchayat : Singrawali

S.No	Watershed Code	Village Name	Structure Code	Top width (T) m	Base width (B) m	Height (H) m	CS (T+B)/2*H sqm	Length m	Earth Work Sqm	Dressing + Others	Outlets	Type of outlet	EW Cost (Rs.)	Sodding Cost (Rs.)	Outlet Cost (Rs.)	Total Cost (Rs.)
Details of Soil Moisture measures																
1	2C5A5g3d	Shahganj	CRB01	2.5	6.25	1.25	5.469	710	3881.6	6210.5	1	BOXIN	129373	9316	25000	173392
2	2C5A5g3d	Singrawali	CRB05	2.5	6.25	1.25	5.469	412	2251.3	3602	0		75034	5403		86065
3	2C5A5g3d	Shahganj	CRB02	2.5	6.25	1.25	5.469	680	3717.6	5948.1	1	BOXIN	123907	8922	25000	167122
4	2C5A5g3d	Singrawali	ECD01	1.5	9.5	2	11	129	1417	1293.3	0	MSN	52486	1940		60907
5	2C5A5g3d	Singrawali	ECD02	1.5	9.5	2	11	157	1731.1	1580.1	0	MSN	64121	2370		74409
6	2C5A5g3d	Singrawali	PB01	0.7	3.7	1	2.2	671	1476.4	2691.1	0		45429	4037		52873
7	2C5A5g3d	Shahganj	SB15	0.5	3.5	1	2	545	1089	1992.9	0	DSW	33510	2989		39012
8	2C5A5g3d	Shahganj	SB16	0.5	3.5	1	2	421	841.4	1539.7	0	DSW	25888	2310		30140
9	2C5A5g3d	Shahganj	SB17	0.5	3.5	1	2	538	1075.3	1967.9	0	DSW	33088	2952		38522
10	2C5A5g3d	Shahganj	SB14	0.5	3.5	1	2	786	1571.7	2876.3	0	DSW	48362	4314		56304
11	2C5A5g3d	Shahganj	SB19	0.5	3.5	1	2	19	38.1	69.8	0	DSW	1173	105		1366
12	2C5A5g3d	Shahganj	SB20	0.5	3.5	1	2	110	219.2	401.1	0	DSW	6744	602		7851
13	2C5A5g3d	Shahganj	SB21	0.5	3.5	1	2	643	1285.4	2352.3	0	DSW	39552	3528		46047
14	2C5A5g3d	Shahganj	SB22	0.5	3.5	1	2	553	1106	2023.9	0	DSW	34030	3036		39618
15	2C5A5g3d	Shahganj	SB23	0.5	3.5	1	2	854	1708.2	3126	0	DSW	52561	4689		61192
16	2C5A5g3d	Shahganj	SB24	0.5	3.5	1	2	596	1192.1	2181.5	0	DSW	36680	3272		42703
17	2C5A5g3d	Shahganj	SB25	0.5	3.5	1	2	474	947.2	1733.3	0	DSW	29144	2600		33930
18	2C5A5g3d	Shahganj	SB26	0.5	3.5	1	2	164	328	600.3	0	DSW	10094	900		11751
19	2C5A5g3d	Shahganj	SB18	0.5	3.5	1	2	372	744.8	1362.9	0	DSW	22916	2044		26680
20	2C5A5g3d	Shahganj	SB13	0.5	3.5	1	2	450	899.1	1645.3	0	DSW	27665	2468		32208
21	2C5A5g3d	Shahganj	SB27	0.5	3.5	1	2	468	936	1712.8	0	DSW	28800	2569		33529
22	2C5A5g3d	Shahganj	SB11	0.5	3.5	1	2	389	778.1	1423.9	0	DSW	23942	2136		27874
23	2C5A5g3d	Shahganj	SB31	0.5	3.5	1	2	918	1835	3358.1	0	DSW	56464	5037		65736
24	2C5A5g3d	Shahganj	SB10	0.5	3.5	1	2	375	750	1372.5	0	DSW	23077	2059		26867
25	2C5A5g3d	Shahganj	SB09	0.5	3.5	1	2	665	1330.6	2434.9	0	DSW	40942	3652		47665
26	2C5A5g3d	Shahganj	SB08	0.5	3.5	1	2	210	419.6	767.9	0	DSW	12912	1152		15032
27	2C5A5g3d	Shahganj	SB07	0.5	3.5	1	2	778	1555.1	2845.9	0	DSW	47852	4269		55709
28	2C5A5g3d	Shahganj	SB06	0.5	3.5	1	2	172	344	629.5	0	DSW	10585	944		12323
29	2C5A5g3d	Shahganj	SB05	0.5	3.5	1	2	445	889.2	1627.2	0	DSW	27359	2441		31852
30	2C5A5g3d	Shahganj	SB04	0.5	3.5	1	2	312	624.4	1142.6	0	DSW	19212	1714		22366

31	2C5A5g3d	Shahganj	SB03	0.5	3.5	1	2	398	796.4	1457.4	0	DSW	24505	2186		28529
32	2C5A5g3d	Shahganj	SB02	0.5	3.5	1	2	358	716.5	1311.3	0	DSW	22048	1967		25668
33	2C5A5g3d	Shahganj	SB12	0.5	3.5	1	2	464	928.5	1699.2	0	DSW	28571	2549		33262
34	2C5A5g3d	Singrawali	SB53	0.5	3.5	1	2	286	571.8	1046.3	0	DSW	17594	1570		20483
35	2C5A5g3d	Shahganj	SB62	0.5	3.5	1	2	1113	2226.9	4075.3	0	DSW	68522	6113		79774
36	2C5A5g1g	Singrawali	SB35	0.5	3.5	1	2	638	1275.3	2333.9	0	DSW	39243	3501		45687
37	2C5A5g1g	Singrawali	SB34	0.5	3.5	1	2	650	1300.7	2380.3	0	DSW	40023	3570		46596
38	2C5A5g1g	Singrawali	SB33	0.5	3.5	1	2	429	857.3	1568.8	0	DSW	26379	2353		30711
39	2C5A5g1g	Singrawali	SB32	0.5	3.5	1	2	230	459.4	840.6	0	DSW	14135	1261		16456
40	2C5A5g1g	Singrawali	SB30	0.5	3.5	1	2	565	1129.7	2067.4	0	DSW	34762	3101		40470
41	2C5A5g1g	Singrawali	SB29	0.5	3.5	1	2	668	1336	2444.9	0	DSW	41109	3667		47860
42	2C5A5g1g	Singrawali	SB28	0.5	3.5	1	2	285	571	1044.9	0	DSW	17569	1567		20454
43	2C5A5g1g	Singrawali	SB27	0.5	3.5	1	2	290	579.4	1060.4	0	DSW	17829	1591		20757
44	2C5A5g1g	Singrawali	SB26	0.5	3.5	1	2	514	1027.2	1879.8	0	DSW	31607	2820		36797
45	2C5A5g3d	Singrawali	CRB04	0.5	3.5	1	2	603	1205.7	2206.4	0		37098	3310		43190
46	2C5A5g3d	Singrawali	SB56	0.5	3.5	1	2	495	989.5	1810.7	0	DSW	30446	2716		35445
47	2C5A5g3d	Shahganj	SB29	0.5	3.5	1	2	276	552.4	1011	0	DSW	16999	1516		19790
48	2C5A5g3d	Singrawali	SB54	0.5	3.5	1	2	253	506.9	927.6	0	DSW	15597	1391		18159
49	2C5A5g3d	Shahganj	SB28	0.5	3.5	1	2	351	701.7	1284.1	0	DSW	21591	1926		25137
50	2C5A5g3d	Singrawali	SB52	0.5	3.5	1	2	325	650.6	1190.6	0	DSW	20019	1786		23306
51	2C5A5g3d	Singrawali	SB51	0.5	3.5	1	2	404	808.1	1478.9	0	DSW	24867	2218		28950
52	2C5A5g3d	Singrawali	SB50	0.5	3.5	1	2	1349	2698.2	4937.7	0	DSW	83023	7407		96656
53	2C5A5g3d	Singrawali	SB49	0.5	3.5	1	2	1076	2151.7	3937.5	0	DSW	66207	5906		77079
54	2C5A5g3d	Shahganj	SB37	0.5	3.5	1	2	630	1259.7	2305.2	0	DSW	38760	3458		45125
55	2C5A5g3d	Shahganj	SB36	0.5	3.5	1	2	181	361.4	661.4	0	DSW	11121	992		12947
56	2C5A5g3d	Shahganj	SB35	0.5	3.5	1	2	180	359.2	657.4	0	DSW	11053	986		12868
57	2C5A5g3d	Shahganj	SB34	0.5	3.5	1	2	185	369.8	676.8	0	DSW	11380	1015		13249
58	2C5A5g3d	Shahganj	SB33	0.5	3.5	1	2	196	392.3	718	0	DSW	12072	1077		14055
59	2C5A5g3d	Shahganj	SB32	0.5	3.5	1	2	179	357.3	653.9	0	DSW	10996	981		12801
60	2C5A5g3d	Singrawali	CB01	0.5	3.5	1	2	788	1576.2	2884.4	1		48499	4327		56463
61	2C5A5g3d	Shahganj	SB30	0.5	3.5	1	2	138	276.9	506.8	0	DSW	8521	760		9920
62	2C5A5g3d	Shahganj	SB01	0.5	3.5	1	2	560	1120.1	2049.7	0	DSW	34464	3075		40124
63	2C5A5g3d	Singrawali	SB55	0.5	3.5	1	2	958	1916.6	3507.4	0	DSW	58975	5261		68659
Total								30031	69013	168290	3		2168486	50000	50000	2568472
Details of Water Resources																
64	2C5A5g3d	Singrawali	CD01					15		0	0	D	0	0		299999

65	2C5A5g1g	Singrawali	WHB06	2	7.25	1.75	8.094	262	2121	2253.7	0	BOXIN	76293	3381		89364
66	2C5A5g1g	Singrawali	WHB05	2	7.25	1.75	8.094	493	3992.2	4241.9	1	BOXIN	143600	6363	40000	208201
67	2C5A5g1g	Singrawali	WHB04	2	7.25	1.75	8.094	309	2499.3	2655.6	0	BOXIN	89899	3983		105300
68	2C5A5g3d	Singrawali	WHB05	2	7.25	1.75	8.094	209	1689.6	1795.3	0	BOXIN	60775	2693		71187
69	2C5A5g3d	Shahganj	WHB01	2	7.25	1.75	8.094	193	1561.8	1659.5	0	BOXIN	56178	2489		65802
Total								1481	11864	12606	1		426745	40000	40000	839853
Details of Afforestation and Agro forestry																
70	2C5A5g3d	Singrawali	AFL109					112								1350
71	2C5A5g3d	Singrawali	AFL144					202								2430
72	2C5A5g3d	Singrawali	AFL134					512								6150
73	2C5A5g3d	Singrawali	AFL131					30								360
74	2C5A5g3d	Singrawali	AFL129					41								480
75	2C5A5g3d	Singrawali	AFL128					369								4440
76	2C5A5g3d	Singrawali	AFL127					123								1470
77	2C5A5g3d	Singrawali	AFL123					260								3120
78	2C5A5g3d	Singrawali	AFL121					93								1110
79	2C5A5g3d	Singrawali	AFL119					136								1620
80	2C5A5g3d	Shahganj	AFL03					548								6570
81	2C5A5g3d	Singrawali	AFL114					300								3600
82	2C5A5g3d	Singrawali	AFL147					420								5040
83	2C5A5g3d	Singrawali	AFL107					60								720
84	2C5A5g3d	Singrawali	AFL106					700								8400
85	2C5A5g3d	Singrawali	AFL105					50								600
86	2C5A5g3d	Singrawali	AFL104					124								1500
87	2C5A5g3d	Singrawali	AFL102					172								2070
88	2C5A5g3d	Singrawali	AFL101					67								810
89	2C5A5g3d	Singrawali	AFL100					41								480
90	2C5A5g3d	Singrawali	AFL99					50								600
91	2C5A5g3d	Singrawali	AFL98					77								930
92	2C5A5g3d	Singrawali	AFL115					110								1320
93	2C5A5g3d	Singrawali	AFL166					119								1440
94	2C5A5g3d	Singrawali	AFL199					385								4620
95	2C5A5g3d	Singrawali	AFL197					27								330
96	2C5A5g3d	Singrawali	AFL196					97								1170
97	2C5A5g3d	Singrawali	AFL195					67								810
98	2C5A5g3d	Singrawali	AFL193					64								780

99	2C5A5g3d	Singrawali	AFL189					301								3600
100	2C5A5g3d	Singrawali	AFL188					372								4470
101	2C5A5g3d	Singrawali	AFL187					154								1860
102	2C5A5g1g	Singrawali	AFL22					97								1170
103	2C5A5g3d	Singrawali	AFL145					133								1590
104	2C5A5g3d	Singrawali	AFL184					70								840
105	2C5A5g3d	Singrawali	AFL146					67								810
106	2C5A5g3d	Singrawali	AFL165					134								1620
107	2C5A5g3d	Singrawali	AFL164					68								810
108	2C5A5g3d	Singrawali	AFL163					146								1740
109	2C5A5g3d	Singrawali	AFL162					322								3870
110	2C5A5g3d	Singrawali	AFL161					28								330
111	2C5A5g3d	Singrawali	AFL155					23								270
112	2C5A5g3d	Singrawali	AFL154					244								2940
113	2C5A5g3d	Singrawali	AFL153					27								330
114	2C5A5g3d	Singrawali	AFL151					220								2640
115	2C5A5g3d	Singrawali	AFL95					275								3300
116	2C5A5g3d	Singrawali	AFL185					379								4560
117	2C5A5g3d	Shahganj	AFL22					38								450
118	2C5A5g3d	Singrawali	AFL97					386								4620
119	2C5A5g3d	Shahganj	AFL32					76								900
120	2C5A5g3d	Shahganj	AFL31					95								1140
121	2C5A5g3d	Shahganj	AFL30					91								1080
122	2C5A5g3d	Shahganj	AFL29					144								1740
123	2C5A5g3d	Shahganj	AFL28					54								660
124	2C5A5g3d	Shahganj	AFL27					95								1140
125	2C5A5g3d	Shahganj	AFL26					75								900
126	2C5A5g3d	Shahganj	AFL25					239								2880
127	2C5A5g3d	Shahganj	AFL34					584								7020
128	2C5A5g3d	Shahganj	AFL23					98								1170
129	2C5A5g3d	Shahganj	AFL35					45								540
130	2C5A5g3d	Shahganj	AFL21					24								300
131	2C5A5g3d	Shahganj	AFL20					328								3930
132	2C5A5g3d	Shahganj	AFL19					81								960
133	2C5A5g3d	Shahganj	AFL18					36								420
134	2C5A5g3d	Shahganj	AFL17					78								930

135	2C5A5g3d	Shahganj	AFL16					229							2760
136	2C5A5g3d	Shahganj	AFL13					56							660
137	2C5A5g3d	Shahganj	AFL11					1117							13410
138	2C5A5g3d	Shahganj	AFL09					297							3570
139	2C5A5g3d	Shahganj	AFL08					1108							13290
140	2C5A5g3d	Shahganj	AFL24					133							1590
141	2C5A5g3d	Shahganj	AFL46					40							480
142	2C5A5g3d	Singrawali	AFL202					74							900
143	2C5A5g3d	Singrawali	AFL94					280							3360
144	2C5A5g3d	Singrawali	AFL91					132							1590
145	2C5A5g3d	Singrawali	AFL90					492							5910
146	2C5A5g3d	Singrawali	AFL88					131							1560
147	2C5A5g3d	Singrawali	AFL86					135							1620
148	2C5A5g3d	Singrawali	AFL85					363							4350
149	2C5A5g3d	Shahganj	AFL64					271							3240
150	2C5A5g3d	Shahganj	AFL63					485							5820
151	2C5A5g3d	Shahganj	AFL33					101							1200
152	2C5A5g3d	Shahganj	AFL61					523							6270
153	2C5A5g3d	Singrawali	AFL96					128							1530
154	2C5A5g3d	Shahganj	AFL45					12							150
155	2C5A5g3d	Shahganj	AFL44					170							2040
156	2C5A5g3d	Shahganj	AFL43					78							930
157	2C5A5g3d	Shahganj	AFL42					88							1050
158	2C5A5g3d	Shahganj	AFL41					38							450
159	2C5A5g3d	Shahganj	AFL40					70							840
160	2C5A5g3d	Shahganj	AFL39					106							1260
161	2C5A5g3d	Shahganj	AFL38					94							1140
162	2C5A5g3d	Shahganj	AFL37					110							1320
163	2C5A5g3d	Shahganj	AFL36					35							420
164	2C5A5g3d	Shahganj	AFL62					285							3420
165	2C5A5g1g	Singrawali	AFL81					213							2550
166	2C5A5g3d	Singrawali	AFL169					11							120
167	2C5A5g1g	Singrawali	AFL101					154							1860
168	2C5A5g1g	Singrawali	AFL98					70							840
169	2C5A5g1g	Singrawali	AFL97					109							1320
170	2C5A5g1g	Singrawali	AFL96					55							660

171	2C5A5g1g	Singrawali	AFL94					62								750
172	2C5A5g1g	Singrawali	AFL91					451								5400
173	2C5A5g1g	Singrawali	AFL88					32								390
174	2C5A5g1g	Singrawali	AFL86					20								240
175	2C5A5g1g	Singrawali	AFL105					40								480
176	2C5A5g1g	Singrawali	AFL82					64								780
177	2C5A5g1g	Singrawali	AFL107					65								780
178	2C5A5g3d	Singrawali	AFL183					79								960
179	2C5A5g3d	Singrawali	AFL182					148								1770
180	2C5A5g3d	Singrawali	AFL181					110								1320
181	2C5A5g3d	Singrawali	AFL176					64								780
182	2C5A5g3d	Singrawali	AFL175					72								870
183	2C5A5g3d	Singrawali	AFL174					91								1080
184	2C5A5g3d	Singrawali	AFL173					167								2010
185	2C5A5g3d	Singrawali	AFL172					88								1050
186	2C5A5g3d	Singrawali	AFL171					260								3120
187	2C5A5g3d	Singrawali	AFL200					554								6660
188	2C5A5g1g	Singrawali	AFL83					72								870
189	2C5A5g1g	Singrawali	AFL127					74								900
190	2C5A5g1g	Singrawali	AFL148					93								1110
191	2C5A5g1g	Singrawali	AFL146					229								2760
192	2C5A5g1g	Singrawali	AFL144					273								3270
193	2C5A5g1g	Singrawali	AFL143					105								1260
194	2C5A5g1g	Singrawali	AFL142					44								540
195	2C5A5g1g	Singrawali	AFL140					146								1740
196	2C5A5g1g	Singrawali	AFL139					388								4650
197	2C5A5g1g	Singrawali	AFL138					201								2400
198	2C5A5g1g	Singrawali	AFL136					179								2160
199	2C5A5g1g	Singrawali	AFL104					264								3180
200	2C5A5g1g	Singrawali	AFL132					199								2400
201	2C5A5g3d	Singrawali	AFL168					47								570
202	2C5A5g1g	Singrawali	AFL125					35								420
203	2C5A5g1g	Singrawali	AFL124					95								1140
204	2C5A5g1g	Singrawali	AFL123					46								540
205	2C5A5g1g	Singrawali	AFL120					203								2430
206	2C5A5g1g	Singrawali	AFL119					78								930

207	2C5A5g1g	Singrawali	AFL116					91								1080
208	2C5A5g1g	Singrawali	AFL115					93								1110
209	2C5A5g1g	Singrawali	AFL114					69								840
210	2C5A5g1g	Singrawali	AFL111					393								4710
211	2C5A5g1g	Singrawali	AFL109					59								720
212	2C5A5g1g	Singrawali	AFL135					47								570
213	2C5A5g1g	Singrawali	AFL45					163								1950
214	2C5A5g3d	Singrawali	AFL170					146								1740
215	2C5A5g1g	Singrawali	AFL59					125								1500
216	2C5A5g3d	Singrawali	AFL210					74								900
217	2C5A5g1g	Singrawali	AFL55					78								930
218	2C5A5g1g	Singrawali	AFL54					234								2820
219	2C5A5g1g	Singrawali	AFL53					94								1140
220	2C5A5g1g	Singrawali	AFL52					128								1530
221	2C5A5g1g	Singrawali	AFL51					63								750
222	2C5A5g1g	Singrawali	AFL50					63								750
223	2C5A5g1g	Singrawali	AFL62					85								1020
224	2C5A5g1g	Singrawali	AFL49					31								360
225	2C5A5g1g	Singrawali	AFL63					6								60
226	2C5A5g3d	Singrawali	AFL206					297								3570
227	2C5A5g1g	Singrawali	AFL43					298								3570
228	2C5A5g3d	Singrawali	AFL205					367								4410
229	2C5A5g3d	Singrawali	AFL204					489								5880
230	2C5A5g1g	Singrawali	AFL39					38								450
231	2C5A5g3d	Singrawali	AFL203					111								1320
232	2C5A5g1g	Singrawali	AFL38					72								870
233	2C5A5g1g	Singrawali	AFL37					2								30
234	2C5A5g1g	Singrawali	AFL36					40								480
235	2C5A5g1g	Singrawali	AFL153					459								5520
236	2C5A5g3d	Singrawali	AFL207					167								2010
237	2C5A5g3d	Shahganj	AFL50					130								1560
238	2C5A5g3d	Singrawali	AFL167					92								1110
239	2C5A5g3d	Shahganj	AFL60					492								5910
240	2C5A5g3d	Shahganj	AFL59					104								1260
241	2C5A5g3d	Shahganj	AFL58					217								2610
242	2C5A5g3d	Shahganj	AFL57					69								840

243	2C5A5g3d	Shahganj	AFL56					377								4530
244	2C5A5g3d	Shahganj	AFL55					6								60
245	2C5A5g3d	Shahganj	AFL54					51								600
246	2C5A5g3d	Shahganj	AFL53					30								360
247	2C5A5g1g	Singrawali	AFL61					45								540
248	2C5A5g3d	Shahganj	AFL51					83								990
249	2C5A5g3d	Singrawali	AFL201					109								1320
250	2C5A5g3d	Shahganj	AFL49					76								900
251	2C5A5g3d	Shahganj	AFL48					133								1590
252	2C5A5g3d	Shahganj	AFL47					173								2070
253	2C5A5g1g	Singrawali	AFL72					16								180
254	2C5A5g1g	Singrawali	AFL71					38								450
255	2C5A5g1g	Singrawali	AFL70					89								1080
256	2C5A5g1g	Singrawali	AFL69					32								390
257	2C5A5g1g	Singrawali	AFL68					3								30
258	2C5A5g1g	Singrawali	AFL66					17								210
259	2C5A5g1g	Singrawali	AFL65					11								120
260	2C5A5g3d	Shahganj	AFL52					20								240
Total																368580
Grand Total																3776905

Name of Gram Panchayat : Soni Kheda

S.No	Watershed Code	Village Name	Structure Code	Top width (T) m	Base width (B) m	Height (H) m	CS (T+B)/2*H sqm	Length m	Earth Work Sqm	Dressing + Others	Outlets	Type of outlet	EW Cost (Rs.)	Sodding Cost (Rs.)	Outlet Cost (Rs.)	Total Cost (Rs.)
Details of Soil Moisture measures																
1	2C5A5g3c	Kodari	CB33	0.45	2.25	0.6	0.81	286	231.7	703.6	0	DSW	7129	1055		8719
2	2C5A5g3c	Kodari	CB45	0.45	2.25	0.6	0.81	762	617.1	1874.1	0	DSW	18988	2811		23223
3	2C5A5g3c	Kodari	CB44	0.45	2.25	0.6	0.81	1326	1074.2	3262.3	0	DSW	33052	4893		40425
4	2C5A5g3c	Kodari	CB43	0.45	2.25	0.6	0.81	1630	1320	4008.8	0	DSW	40616	6013		49675
5	2C5A5g3c	Kodari	CB42	0.45	2.25	0.6	0.81	486	393.5	1195.1	0	DSW	12108	1793		14809
6	2C5A5g3c	Kodari	CB40	0.45	2.25	0.6	0.81	95	76.6	232.6	0	DSW	2357	349		2883
7	2C5A5g3c	Kodari	CB46	0.45	2.25	0.6	0.81	411	333.3	1012.2	0	DSW	10255	1518		12542

8	2C5A5g3c	Kodari	CB34	0.45	2.25	0.6	0.81	334	270.7	822.1	0	DSW	8329	1233		10187
9	2C5A5g3c	Kodari	CB41	0.45	2.25	0.6	0.81	183	148.3	450.3	0	DSW	4562	675		5580
10	2C5A5g3b	Soni Kheda	CB08	0.45	2.25	0.6	0.81	311	252	765.2	0	DSW	7753	1148		9482
11	2C5A5g3b	Soni Kheda	CB07	0.45	2.25	0.6	0.81	234	189.4	575.3	0	DSW	5829	863		7129
12	2C5A5g3b	Soni Kheda	CB06	0.45	2.25	0.6	0.81	154	125.1	380	0	DSW	3850	570		4709
13	2C5A5g3b	Soni Kheda	CB05	0.45	2.25	0.6	0.81	385	311.8	946.8	0	DSW	9593	1420		11733
14	2C5A5g3b	Soni Kheda	CB04	0.45	2.25	0.6	0.81	603	488.2	1482.7	0	DSW	15022	2224		18372
15	2C5A5g3b	Soni Kheda	CB03	0.45	2.25	0.6	0.81	527	427	1296.8	0	DSW	13139	1945		16070
16	2C5A5g3b	Soni Kheda	CB01	0.45	2.25	0.6	0.81	232	187.8	570.4	0	DSW	5779	856		7068
17	2C5A5g3b	Soni Kheda	CB02	0.45	2.25	0.6	0.81	130	104.9	318.6	0	DSW	3228	478		3948
18	2C5A5g3c	Kodari	CB48	0.45	2.25	0.6	0.81	771	624.4	1896.4	0	DSW	19214	2845		23500
19	2C5A5g3b	Soni Kheda	CB13	0.45	2.25	0.6	0.81	172	139	422.3	0	DSW	4278	633		5232
20	2C5A5g3b	Soni Kheda	CB14	0.45	2.25	0.6	0.81	414	335.3	1018.3	0	DSW	10317	1527		12618
21	2C5A5g3c	Kodari	CB49	0.45	2.25	0.6	0.81	1201	972.7	2954.2	0	DSW	29931	4431		36607
22	2C5A5g3c	Kodari	CB47	0.45	2.25	0.6	0.81	166	134.8	409.3	0	DSW	4147	614		5072
23	2C5A5g3b	Soni Kheda	CB12	0.45	2.25	0.6	0.81	120	97.3	295.6	0	DSW	2995	443		3663
24	2C5A5g3b	Soni Kheda	CB16	0.45	2.25	0.6	0.81	664	537.4	1632.2	0	DSW	16537	2448		20226
25	2C5A5g3b	Soni Kheda	CB15	0.45	2.25	0.6	0.81	347	281	853.4	0	DSW	8647	1280		10575
26	2C5A5h1b	Soni Kheda	CRB01	2.5	6.25	1.25	5.469	490	2678.2	4285.1	1		89265	6428		102387
27	2C5A5g3c	Kodari	GP05	1.5	7.5	1.5	6.75	50		410.5	0	MSN	0	616		616
28	2C5A5g3c	Kodari	GP04	1.5	7.5	1.5	6.75	50		410.5	0	MSN	0	616		616
29	2C5A5g3c	Kodari	PB03	0.7	3.7	1	2.2	1834	4035.8	7356.1	3	DSW	124180	11034	21000	165528
30	2C5A5h1b	Soni Kheda	PB01	0.7	3.7	1	2.2	691	1520.1	2770.7	1		46772	4156		54436
31	2C5A5g3c	Kodari	PB04	0.7	3.7	1	2.2	11	24.3	44.2	0	DSW	747	66		869
32	2C5A5h1b	Soni Kheda	SB28	0.5	3.5	1	2	1606	3212.5	5878.9	1	DSW	98849	8818		115081
33	2C5A5h1b	Soni Kheda	SB30	0.5	3.5	1	2	192	384.2	703.1	1	DSW	11821	1055		13763
34	2C5A5h1b	Soni Kheda	SB29	0.5	3.5	1	2	193	386.4	707	1	DSW	11888	1061		13841
35	2C5A5g3b	Soni Kheda	CB09	0.5	3.5	1	2	605	1209.1	2212.7	0	DSW	37205	3319		43314
36	2C5A5g3b	Soni Kheda	CB10	0.5	3.5	1	2	242	484.7	887	0	DSW	14915	1331		17364
37	2C5A5g3b	Soni Kheda	CB11	0.5	3.5	1	2	480	960.6	1757.8	0	DSW	29556	2637		34410
38	2C5A5g3b	Soni Kheda	SB06	0.5	3.5	1	2	412	824.3	1508.5	0	DSW	25364	2263		29529
39	2C5A5g3b	Soni Kheda	SB02	0.5	3.5	1	2	260	519.1	949.9	0	DSW	15972	1425		18595
40	2C5A5g3b	Soni Kheda	SB03	0.5	3.5	1	2	246	491.3	899	0	DSW	15117	1349		17599
41	2C5A5g3b	Soni Kheda	SB04	0.5	3.5	1	2	184	368.9	675	0	DSW	11350	1012		13213
42	2C5A5g3b	Soni Kheda	SB05	0.5	3.5	1	2	144	287.5	526.1	0	DSW	8846	789		10299
43	2C5A5h1b	Soni Kheda	SB27	0.5	3.5	1	2	150	299.2	547.5	1	DSW	9206	821		10718

44	2C5A5h1b	Soni Kheda	SB16	0.5	3.5	1	2	732	1463.6	2678.3	1	DSW	45034	4017		52429
45	2C5A5g3b	Soni Kheda	SB01	0.5	3.5	1	2	366	731.2	1338.2	0	DSW	22500	2007		26195
46	2C5A5h1b	Soni Kheda	SB14	0.5	3.5	1	2	1229	2458.5	4499.1	1	DSW	75650	6749		88072
47	2C5A5h1b	Soni Kheda	SB01	0.5	3.5	1	2	214	428.9	784.9	1	DSW	13198	1177		15365
48	2C5A5h1b	Soni Kheda	SB02	0.5	3.5	1	2	499	998.4	1827.1	1	DSW	30721	2741		35766
49	2C5A5h1b	Soni Kheda	SB03	0.5	3.5	1	2	470	940.2	1720.5	1	DSW	28929	2581		33680
50	2C5A5h1b	Soni Kheda	SB04	0.5	3.5	1	2	502	1004.6	1838.3	1	DSW	30910	2757		35986
51	2C5A5h1b	Soni Kheda	SB05	0.5	3.5	1	2	179	357	653.4	1	DSW	10986	980		12790
52	2C5A5h1b	Soni Kheda	SB06	0.5	3.5	1	2	439	878	1606.8	1	DSW	27017	2410		31454
53	2C5A5h1b	Soni Kheda	SB07	0.5	3.5	1	2	267	533.4	976.2	1	DSW	16414	1464		19109
54	2C5A5h1b	Soni Kheda	SB08	0.5	3.5	1	2	330	660.1	1208	1	DSW	20312	1812		23647
55	2C5A5h1b	Soni Kheda	SB09	0.5	3.5	1	2	74	148.2	271.2	1	DSW	4560	407		5309
56	2C5A5h1b	Soni Kheda	SB10	0.5	3.5	1	2	311	621.2	1136.8	1	DSW	19114	1705		22252
57	2C5A5h1b	Soni Kheda	SB11	0.5	3.5	1	2	655	1310.3	2397.9	1	DSW	40318	3597		46939
58	2C5A5h1b	Soni Kheda	SB18	0.5	3.5	1	2	702	1403.2	2567.9	1	DSW	43177	3852		50267
59	2C5A5h1b	Soni Kheda	SB13	0.5	3.5	1	2	1053	2105	3852.2	1	DSW	64772	5778		75408
60	2C5A5h1b	Soni Kheda	SB26	0.5	3.5	1	2	216	432.4	791.3	1	DSW	13306	1187		15491
61	2C5A5h1b	Soni Kheda	SB15	0.5	3.5	1	2	517	1033	1890.4	1	DSW	31786	2836		37006
62	2C5A5g3b	Soni Kheda	SB07	0.5	3.5	1	2	196	392.2	717.7	0	DSW	12068	1077		14050
63	2C5A5h1b	Soni Kheda	SB17	0.5	3.5	1	2	967	1935	3541	1	DSW	59539	5311		69316
64	2C5A5h1b	Soni Kheda	SB31	0.5	3.5	1	2	104	207.7	380.1	1	DSW	6391	570		7440
65	2C5A5h1b	Soni Kheda	SB19	0.5	3.5	1	2	885	1770	3239.1	1	DSW	54463	4859		63407
66	2C5A5h1b	Soni Kheda	SB20	0.5	3.5	1	2	493	985.3	1803.1	1	DSW	30318	2705		35296
67	2C5A5h1b	Soni Kheda	SB21	0.5	3.5	1	2	912	1824	3337.9	1	DSW	56124	5007		65340
68	2C5A5h1b	Soni Kheda	SB22	0.5	3.5	1	2	1752	3504.8	6413.9	1	DSW	107844	9621		125553
69	2C5A5h1b	Soni Kheda	SB23	0.5	3.5	1	2	295	589.2	1078.2	1	DSW	18130	1617		21107
70	2C5A5h1b	Soni Kheda	SB24	0.5	3.5	1	2	353	706.3	1292.4	1	DSW	21731	1939		25300
71	2C5A5h1b	Soni Kheda	SB25	0.5	3.5	1	2	705	1410.9	2582	1	DSW	43414	3873		50543
72	2C5A5h1b	Soni Kheda	SB12	0.5	3.5	1	2	587	1174.2	2148.7	1	DSW	36129	3223		42062
73	2C5A5g3c	Kodari	SB14	0.5	3.5	1	2	21	41.3	75.5	0	DSW	1270	113		1478
74	2C5A5h1a	Soni Kheda	SB01	0.5	3.5	1	2	307	614.1	1123.7	1	DSW	18895	1686		21997
75	2C5A5h1a	Kodari	SB11	0.5	3.5	1	2	192	384.7	704	1	DSW	11836	1056		13780
76	2C5A5h1a	Kodari	SB12	0.5	3.5	1	2	575	1150.5	2105.5	1	DSW	35402	3158		41215
77	2C5A5h1a	Kodari	SB13	0.5	3.5	1	2	352	703.4	1287.2	1	DSW	21643	1931		25196
78	2C5A5h1a	Kodari	SB14	0.5	3.5	1	2	172	343.6	628.7	1	DSW	10572	943		12307
79	2C5A5h1a	Kodari	SB15	0.5	3.5	1	2	173	346.4	633.9	1	DSW	10658	951		12408

80	2C5A5h1a	Kodari	SB16	0.5	3.5	1	2	165	330.2	604.3	1	DSW	10160	906		11829
81	2C5A5h1a	Kodari	SB17	0.5	3.5	1	2	255	510.4	933.9	1	DSW	15704	1401		18282
82	2C5A5h1a	Kodari	SB18	0.5	3.5	1	2	307	614.1	1123.8	1	DSW	18895	1686		21998
83	2C5A5h1a	Kodari	SB19	0.5	3.5	1	2	1118	2235.3	4090.7	1	DSW	68781	6136		80076
84	2C5A5h1a	Kodari	SB20	0.5	3.5	1	2	420	840.8	1538.7	1	DSW	25873	2308		30121
85	2C5A5g3d	Kodari	SB61	0.5	3.5	1	2	308	616.1	1127.5	0	DSW	18958	1691		22071
86	2C5A5h1a	Kodari	SB22	0.5	3.5	1	2	489	978	1789.7	1	DSW	30093	2685		35035
87	2C5A5g3d	Kodari	SB60	0.5	3.5	1	2	293	586.4	1073.1	0	DSW	18043	1610		21006
88	2C5A5g3c	Kodari	CB35	0.5	3.5	1	2	650	1300.9	2380.6	0	DSW	40027	3571		46600
89	2C5A5g3c	Kodari	CB36	0.5	3.5	1	2	718	1435.7	2627.4	0	DSW	44177	3941		51431
90	2C5A5g3c	Kodari	CB37	0.5	3.5	1	2	253	505.6	925.2	0	DSW	15557	1388		18112
91	2C5A5g3c	Kodari	CB38	0.5	3.5	1	2	211	422.7	773.5	0	DSW	13006	1160		15142
92	2C5A5g3c	Kodari	CB39	0.5	3.5	1	2	840	1680.3	3074.9	0	DSW	51701	4612		60191
93	2C5A5g3c	Kodari	SB15	0.5	3.5	1	2	2151	4302.1	7872.8	0	DSW	132375	11809		154113
94	2C5A5h1b	Soni Kheda	SB40	0.5	3.5	1	2	376	751.6	1375.5	1	DSW	23128	2063		26926
95	2C5A5h1b	Soni Kheda	SB41	0.5	3.5	1	2	969	1938.5	3547.5	1	DSW	59649	5321		69444
96	2C5A5h1b	Soni Kheda	SB42	0.5	3.5	1	2	861	1721.6	3150.6	1	DSW	52975	4726		61674
97	2C5A5h1a	Kodari	SB23	0.5	3.5	1	2	677	1353.7	2477.2	1	DSW	41653	3716		48492
98	2C5A5g3b	Soni Kheda	SB08	0.5	3.5	1	2	378	756.8	1385	0	DSW	23287	2077		27111
99	2C5A5h1a	Kodari	SB21	0.5	3.5	1	2	500	1000.4	1830.7	1	DSW	30782	2746		35837
100	2C5A5h1a	Soni Kheda	SB07	0.5	3.5	1	2	442	883.5	1616.8	1	DSW	27186	2425		31650
101	2C5A5h1b	Soni Kheda	SB33	0.5	3.5	1	2	72	144.3	264	1	DSW	4439	396		5168
102	2C5A5h1b	Soni Kheda	SB34	0.5	3.5	1	2	280	560	1024.7	1	DSW	17230	1537		20059
103	2C5A5h1b	Soni Kheda	SB35	0.5	3.5	1	2	220	440	805.2	1	DSW	13540	1208		15763
104	2C5A5h1b	Soni Kheda	SB36	0.5	3.5	1	2	198	395.1	723	1	DSW	12157	1085		14154
105	2C5A5h1b	Soni Kheda	SB37	0.5	3.5	1	2	2054	4107.1	7516	1	DSW	126376	11274		147128
106	2C5A5h1b	Soni Kheda	SB38	0.5	3.5	1	2	185	370.4	677.9	1	DSW	11398	1017		13270
107	2C5A5h1b	Soni Kheda	SB39	0.5	3.5	1	2	237	474.5	868.3	1	DSW	14600	1302		16998
108	2C5A5h1a	Soni Kheda	SB02	0.5	3.5	1	2	538	1076	1969.1	1	DSW	33108	2954		38545
109	2C5A5g3b	Soni Kheda	SB09	0.5	3.5	1	2	402	804.3	1471.9	0	DSW	24749	2208		28813
110	2C5A5h1a	Soni Kheda	SB03	0.5	3.5	1	2	155	310.3	567.8	1	DSW	9547	852		11115
111	2C5A5h1a	Soni Kheda	SB04	0.5	3.5	1	2	246	492.2	900.7	1	DSW	15144	1351		17631
112	2C5A5h1a	Kodari	SB10	0.5	3.5	1	2	215	429.3	785.5	1	DSW	13208	1178		15377
113	2C5A5h1a	Soni Kheda	SB06	0.5	3.5	1	2	422	844.1	1544.8	1	DSW	25974	2317		30240
114	2C5A5h1b	Soni Kheda	SB32	0.5	3.5	1	2	183	366.3	670.4	1	DSW	11272	1006		13123
115	2C5A5h1a	Soni Kheda	SB08	0.5	3.5	1	2	359	717.7	1313.4	1	DSW	22084	1970		25711

116	2C5A5h1a	Soni Kheda	SB09	0.5	3.5	1	2	428	855.9	1566.3	1	DSW	26337	2349		30661
117	2C5A5g3c	Soni Kheda	CB01	0.5	3.5	1	2	431	861.1	1575.9	0	DSW	26497	2364		30848
118	2C5A5g3c	Soni Kheda	CB02	0.5	3.5	1	2	257	514.5	941.6	0	DSW	15833	1412		18433
119	2C5A5g3c	Soni Kheda	CB03	0.5	3.5	1	2	131	262	479.4	0	DSW	8061	719		9385
120	2C5A5g3c	Soni Kheda	CB04	0.5	3.5	1	2	367	734.3	1343.8	0	DSW	22594	2016		26304
121	2C5A5g3c	Soni Kheda	CB05	0.5	3.5	1	2	544	1088.3	1991.6	0	DSW	33487	2987		38986
122	2C5A5g3c	Soni Kheda	CB06	0.5	3.5	1	2	720	1440.3	2635.8	0	DSW	44319	3954		51597
123	2C5A5g3c	Soni Kheda	CB07	0.5	3.5	1	2	720	1440.7	2636.6	0	DSW	44332	3955		51611
124	2C5A5g3d	Kodari	SB57	0.5	3.5	1	2	1086	2172.8	3976.2	0	DSW	66857	5964		77836
125	2C5A5g3d	Kodari	SB59	0.5	3.5	1	2	885	1770	3239.1	0	DSW	54462	4859		63406
126	2C5A5h1a	Soni Kheda	SB05	0.5	3.5	1	2	399	798.7	1461.6	1	DSW	24575	2192		28611
Total								61695	111185	257102	70		3428029	21000	21000	4029099
Details of Water Resources																
127	2C5A5h1b	Soni Kheda	CD01					32		0	1	A	0	0		480000
128	2C5A5g3d	Kodari	WHB06	2	7.25	1.75	8.094	452	3655.6	3884.3	1	BOXIN	131492	5826	40000	194019
129	2C5A5g3d	Kodari	WHB07	2	7.25	1.75	8.094	65	529.6	562.7	0	BOXIN	19049	844		22312
Total								549	4185.2	4447	2		150541	40000	40000	696331
Details of Afforestation and Agro forestry																
130	2C5A5h1b	Soni Kheda	AFL58					18								210
131	2C5A5h1b	Soni Kheda	AFL66					287								3450
132	2C5A5h1b	Soni Kheda	AFL65					63								750
133	2C5A5h1b	Soni Kheda	AFL64					203								2430
134	2C5A5h1b	Soni Kheda	AFL63					200								2400
135	2C5A5h1a	Soni Kheda	AFL07					111								1320
136	2C5A5h1a	Soni Kheda	AFL06					72								870
137	2C5A5h1b	Soni Kheda	AFL62					56								660
138	2C5A5h1b	Soni Kheda	AFL61					462								5550
139	2C5A5h1b	Soni Kheda	AFL60					166								1980
140	2C5A5h1b	Soni Kheda	AFL19					156								1860
141	2C5A5h1b	Soni Kheda	AFL59					22								270
142	2C5A5h1a	Soni Kheda	AFL08					110								1320
143	2C5A5h1a	Soni Kheda	AFL04					254								3060
144	2C5A5h1a	Soni Kheda	AFL03					68								810
145	2C5A5h1b	Soni Kheda	AFL57					53								630
146	2C5A5h1b	Soni Kheda	AFL56					243								2910
147	2C5A5h1b	Soni Kheda	AFL55					120								1440

148	2C5A5h1b	Soni Kheda	AFL54					227								2730
149	2C5A5h1b	Soni Kheda	AFL53					8								90
150	2C5A5h1b	Soni Kheda	AFL52					90								1080
151	2C5A5h1b	Soni Kheda	AFL51					144								1740
152	2C5A5h1a	Soni Kheda	AFL05					52								630
153	2C5A5h1b	Soni Kheda	AFL77					84								1020
154	2C5A5h1b	Soni Kheda	AFL85					78								930
155	2C5A5g3b	Soni Kheda	AFL02					273								3270
156	2C5A5h1b	Soni Kheda	AFL84					31								360
157	2C5A5h1b	Soni Kheda	AFL83					34								420
158	2C5A5g3b	Soni Kheda	AFL01					188								2250
159	2C5A5h1b	Soni Kheda	AFL82					221								2640
160	2C5A5h1b	Soni Kheda	AFL81					106								1260
161	2C5A5h1b	Soni Kheda	AFL80					96								1140
162	2C5A5h1a	Soni Kheda	AFL10					358								4290
163	2C5A5h1b	Soni Kheda	AFL67					33								390
164	2C5A5h1b	Soni Kheda	AFL78					149								1800
165	2C5A5h1b	Soni Kheda	AFL68					2								30
166	2C5A5h1b	Soni Kheda	AFL76					63								750
167	2C5A5h1b	Soni Kheda	AFL75					58								690
168	2C5A5h1b	Soni Kheda	AFL74					54								660
169	2C5A5h1b	Soni Kheda	AFL73					66								780
170	2C5A5h1b	Soni Kheda	AFL72					201								2400
171	2C5A5h1b	Soni Kheda	AFL71					468								5610
172	2C5A5h1b	Soni Kheda	AFL70					155								1860
173	2C5A5h1a	Soni Kheda	AFL09					150								1800
174	2C5A5h1b	Soni Kheda	AFL69					152								1830
175	2C5A5h1b	Soni Kheda	AFL48					170								2040
176	2C5A5h1b	Soni Kheda	AFL79					21								240
177	2C5A5h1b	Soni Kheda	AFL30					59								720
178	2C5A5h1b	Soni Kheda	AFL50					29								360
179	2C5A5h1a	Soni Kheda	AFL01					423								5070
180	2C5A5h1b	Soni Kheda	AFL39					84								1020
181	2C5A5h1b	Soni Kheda	AFL38					174								2100
182	2C5A5h1b	Soni Kheda	AFL37					31								360
183	2C5A5h1b	Soni Kheda	AFL36					145								1740

184	2C5A5h1b	Soni Kheda	AFL35					214								2580
185	2C5A5h1b	Soni Kheda	AFL34					135								1620
186	2C5A5h1b	Soni Kheda	AFL33					142								1710
187	2C5A5h1b	Soni Kheda	AFL41					360								4320
188	2C5A5h1b	Soni Kheda	AFL31					47								570
189	2C5A5h1b	Soni Kheda	AFL42					25								300
190	2C5A5h1b	Soni Kheda	AFL29					157								1890
191	2C5A5h1b	Soni Kheda	AFL28					340								4080
192	2C5A5h1b	Soni Kheda	AFL27					259								3120
193	2C5A5h1b	Soni Kheda	AFL26					36								420
194	2C5A5h1b	Soni Kheda	AFL25					80								960
195	2C5A5h1b	Soni Kheda	AFL24					39								480
196	2C5A5h1b	Soni Kheda	AFL23					105								1260
197	2C5A5h1b	Soni Kheda	AFL22					103								1230
198	2C5A5h1b	Soni Kheda	AFL21					32								390
199	2C5A5h1b	Soni Kheda	AFL20					157								1890
200	2C5A5h1b	Soni Kheda	AFL32					238								2850
201	2C5A5h1b	Soni Kheda	AFL09					151								1800
202	2C5A5h1b	Soni Kheda	AFL88					56								660
203	2C5A5h1a	Soni Kheda	AFL02					392								4710
204	2C5A5h1b	Soni Kheda	AFL18					241								2880
205	2C5A5h1b	Soni Kheda	AFL17					401								4800
206	2C5A5h1b	Soni Kheda	AFL16					410								4920
207	2C5A5h1b	Soni Kheda	AFL15					159								1920
208	2C5A5h1b	Soni Kheda	AFL14					56								660
209	2C5A5h1b	Soni Kheda	AFL13					151								1800
210	2C5A5h1b	Soni Kheda	AFL12					4								60
211	2C5A5h1b	Soni Kheda	AFL40					111								1320
212	2C5A5h1b	Soni Kheda	AFL10					173								2070
213	2C5A5h1b	Soni Kheda	AFL49					111								1320
214	2C5A5h1b	Soni Kheda	AFL08					281								3360
215	2C5A5h1b	Soni Kheda	AFL07					57								690
216	2C5A5h1b	Soni Kheda	AFL06					197								2370
217	2C5A5h1b	Soni Kheda	AFL05					33								390
218	2C5A5h1b	Soni Kheda	AFL04					180								2160
219	2C5A5h1b	Soni Kheda	AFL47					264								3180

220	2C5A5h1b	Soni Kheda	AFL46					42								510
221	2C5A5h1b	Soni Kheda	AFL45					108								1290
222	2C5A5h1b	Soni Kheda	AFL44					267								3210
223	2C5A5h1b	Soni Kheda	AFL43					163								1950
224	2C5A5h1b	Soni Kheda	AFL11					58								690
225	2C5A5g3c	Soni Kheda	AFL27					91								1080
226	2C5A5g3c	Soni Kheda	AFL03					415								4980
227	2C5A5g3c	Soni Kheda	AFL38					70								840
228	2C5A5g3c	Soni Kheda	AFL37					7								90
229	2C5A5g3c	Soni Kheda	AFL35					420								5040
230	2C5A5g3c	Soni Kheda	AFL34					24								300
231	2C5A5g3c	Soni Kheda	AFL33					220								2640
232	2C5A5g3c	Soni Kheda	AFL32					124								1500
233	2C5A5g3c	Soni Kheda	AFL31					35								420
234	2C5A5g3c	Soni Kheda	AFL30					66								780
235	2C5A5g3c	Soni Kheda	AFL40					177								2130
236	2C5A5g3c	Soni Kheda	AFL28					38								450
237	2C5A5g3c	Soni Kheda	AFL41					86								1020
238	2C5A5g3c	Soni Kheda	AFL13					201								2400
239	2C5A5g3c	Soni Kheda	AFL12					217								2610
240	2C5A5g3c	Soni Kheda	AFL11					81								960
241	2C5A5g3c	Soni Kheda	AFL10					60								720
242	2C5A5g3c	Soni Kheda	AFL09					149								1800
243	2C5A5g3c	Soni Kheda	AFL08					443								5310
244	2C5A5g3c	Soni Kheda	AFL07					272								3270
245	2C5A5g3c	Soni Kheda	AFL06					130								1560
246	2C5A5g3b	Soni Kheda	AFL10					315								3780
247	2C5A5h1b	Soni Kheda	AFL86					81								960
248	2C5A5g3c	Soni Kheda	AFL29					44								540
249	2C5A5g3c	Soni Kheda	AFL14					216								2580
250	2C5A5g3c	Soni Kheda	AFL25					50								600
251	2C5A5g3c	Soni Kheda	AFL24					428								5130
252	2C5A5g3c	Soni Kheda	AFL23					40								480
253	2C5A5g3c	Soni Kheda	AFL22					30								360
254	2C5A5g3c	Soni Kheda	AFL21					10								120
255	2C5A5g3c	Soni Kheda	AFL20					65								780

256	2C5A5g3c	Soni Kheda	AFL19					312								3750
257	2C5A5g3c	Soni Kheda	AFL18					97								1170
258	2C5A5g3c	Soni Kheda	AFL17					16								180
259	2C5A5g3c	Soni Kheda	AFL39					491								5880
260	2C5A5g3c	Soni Kheda	AFL15					370								4440
261	2C5A5g3b	Soni Kheda	AFL09					284								3420
262	2C5A5h1b	Soni Kheda	AFL03					341								4080
263	2C5A5h1b	Soni Kheda	AFL02					249								3000
264	2C5A5h1b	Soni Kheda	AFL01					239								2880
265	2C5A5g3c	Soni Kheda	AFL48					815								9780
266	2C5A5g3c	Soni Kheda	AFL47					453								5430
267	2C5A5g3c	Soni Kheda	AFL46					452								5430
268	2C5A5g3c	Soni Kheda	AFL45					148								1770
269	2C5A5g3c	Soni Kheda	AFL44					259								3120
270	2C5A5g3c	Soni Kheda	AFL43					80								960
271	2C5A5g3c	Soni Kheda	AFL42					109								1320
272	2C5A5g3c	Soni Kheda	AFL16					25								300
273	2C5A5h1b	Soni Kheda	AFL97					63								750
274	2C5A5g3c	Soni Kheda	AFL04					269								3240
275	2C5A5h1b	Soni Kheda	AFL106					110								1320
276	2C5A5h1a	Soni Kheda	AFL12					243								2910
277	2C5A5h1b	Soni Kheda	AFL105					7								90
278	2C5A5h1b	Soni Kheda	AFL104					69								840
279	2C5A5h1b	Soni Kheda	AFL103					88								1050
280	2C5A5h1b	Soni Kheda	AFL102					77								930
281	2C5A5h1b	Soni Kheda	AFL101					18								210
282	2C5A5h1b	Soni Kheda	AFL100					66								780
283	2C5A5g3b	Soni Kheda	AFL03					233								2790
284	2C5A5h1b	Soni Kheda	AFL98					116								1380
285	2C5A5h1b	Soni Kheda	AFL108					38								450
286	2C5A5h1b	Soni Kheda	AFL96					60								720
287	2C5A5h1b	Soni Kheda	AFL95					246								2940
288	2C5A5h1a	Soni Kheda	AFL11					196								2340
289	2C5A5h1b	Soni Kheda	AFL94					30								360
290	2C5A5h1b	Soni Kheda	AFL93					245								2940
291	2C5A5h1b	Soni Kheda	AFL92					8								90

292	2C5A5h1b	Soni Kheda	AFL91					65								780
293	2C5A5h1b	Soni Kheda	AFL90					103								1230
294	2C5A5h1b	Soni Kheda	AFL89					144								1740
295	2C5A5g3c	Soni Kheda	AFL26					233								2790
296	2C5A5h1b	Soni Kheda	AFL99					97								1170
297	2C5A5h1a	Soni Kheda	AFL16					33								390
298	2C5A5g3c	Soni Kheda	AFL02					181								2160
299	2C5A5g3b	Soni Kheda	AFL08					338								4050
300	2C5A5h1a	Soni Kheda	AFL23					470								5640
301	2C5A5g3b	Soni Kheda	AFL07					157								1890
302	2C5A5g3c	Soni Kheda	AFL01					65								780
303	2C5A5h1a	Soni Kheda	AFL22					136								1620
304	2C5A5h1a	Soni Kheda	AFL21					77								930
305	2C5A5h1a	Soni Kheda	AFL20					295								3540
306	2C5A5h1a	Soni Kheda	AFL19					38								450
307	2C5A5h1b	Soni Kheda	AFL107					90								1080
308	2C5A5h1a	Soni Kheda	AFL17					207								2490
309	2C5A5h1b	Soni Kheda	AFL87					6								60
310	2C5A5h1a	Soni Kheda	AFL15					166								1980
311	2C5A5h1a	Soni Kheda	AFL14					349								4200
312	2C5A5h1a	Soni Kheda	AFL13					92								1110
313	2C5A5g3b	Soni Kheda	AFL06					485								5820
314	2C5A5g3b	Soni Kheda	AFL05					71								840
315	2C5A5g3b	Soni Kheda	AFL04					49								600
316	2C5A5h1b	Soni Kheda	AFL112					165								1980
317	2C5A5h1b	Soni Kheda	AFL111					52								630
318	2C5A5h1b	Soni Kheda	AFL110					116								1380
319	2C5A5h1b	Soni Kheda	AFL109					34								420
320	2C5A5h1a	Soni Kheda	AFL18					56								660
Total																357090
Grand Total																5082520

Name of Gram Panchayat : Tantpur

S.No	Watershed Code	Village Name	Structure Code	Top width (T) m	Base width (B) m	Height (H) m	CS (T+B)/2*H sqm	Length m	Earth Work Sqm	Dressing + Others	Outlets	Type of outlet	EW Cost (Rs.)	Sodding Cost (Rs.)	Outlet Cost (Rs.)	Total Cost (Rs.)
Details of Soil Moisture measures																
1	2C5A5i3f	Tantpur	SB31	0.5	3.5	1	2	534	1068.5	1955.4	0	DSW	32879	2933		38278
2	2C5A5i3f	Tantpur	SB16	0.5	3.5	1	2	694	1388.9	2541.7	0	DSW	42737	3813		49755
3	2C5A5i3f	Tantpur	SB17	0.5	3.5	1	2	616	1231.5	2253.6	0	DSW	37893	3380		44116
4	2C5A5i3f	Tantpur	SB18	0.5	3.5	1	2	127	253.6	464	0	DSW	7802	696		9083
5	2C5A5i3f	Tantpur	SB19	0.5	3.5	1	2	186	372.5	681.7	0	DSW	11462	1023		13344
6	2C5A5i3f	Tantpur	SB20	0.5	3.5	1	2	558	1116.6	2043.4	0	DSW	34358	3065		40000
7	2C5A5i3f	Tantpur	SB22	0.5	3.5	1	2	120	240.9	440.9	0	DSW	7413	661		8631
8	2C5A5i3f	Tantpur	SB23	0.5	3.5	1	2	129	258.4	472.9	0	DSW	7952	709		9258
9	2C5A5i3f	Tantpur	SB24	0.5	3.5	1	2	537	1073.8	1965	0	DSW	33040	2947		38465
10	2C5A5i3f	Tantpur	SB25	0.5	3.5	1	2	343	686.5	1256.3	0	DSW	21123	1884		24591
11	2C5A5i3f	Tantpur	SB26	0.5	3.5	1	2	203	406.8	744.4	0	DSW	12517	1117		14572
12	2C5A5i3f	Tantpur	SB27	0.5	3.5	1	2	232	464.9	850.7	0	DSW	14304	1276		16653
13	2C5A5i3f	Tantpur	SB28	0.5	3.5	1	2	188	375.6	687.4	0	DSW	11558	1031		13456
14	2C5A5i3f	Tantpur	SB15	0.5	3.5	1	2	689	1379	2523.5	0	DSW	42431	3785		49398
15	2C5A5i3f	Tantpur	SB30	0.5	3.5	1	2	190	380.8	696.9	0	DSW	11717	1045		13642
16	2C5A5i3f	Tantpur	SB44	0.5	3.5	1	2	618	1235.4	2260.8	0	DSW	38013	3391		44256
17	2C5A5i3f	Tantpur	SB32	0.5	3.5	1	2	575	1150.9	2106.2	0	DSW	35414	3159		41230
18	2C5A5i3f	Tantpur	SB33	0.5	3.5	1	2	471	942.3	1724.4	0	DSW	28994	2587		33755
19	2C5A5i3f	Tantpur	SB34	0.5	3.5	1	2	499	998.3	1826.9	0	DSW	30718	2740		35763
20	2C5A5i3f	Tantpur	SB35	0.5	3.5	1	2	170	339.8	621.9	0	DSW	10456	933		12173
21	2C5A5i3f	Tantpur	SB36	0.5	3.5	1	2	148	296.4	542.4	0	DSW	9120	814		10618
22	2C5A5i3f	Tantpur	SB37	0.5	3.5	1	2	492	983.8	1800.4	0	DSW	30272	2701		35243
23	2C5A5i3f	Tantpur	SB38	0.5	3.5	1	2	527	1054.3	1929.4	0	DSW	32441	2894		37768
24	2C5A5i3f	Tantpur	SB39	0.5	3.5	1	2	59	118.4	216.7	0	DSW	3643	325		4241
25	2C5A5i3f	Tantpur	SB40	0.5	3.5	1	2	152	304.2	556.8	0	DSW	9362	835		10899
26	2C5A5i3f	Tantpur	SB41	0.5	3.5	1	2	476	951.9	1741.9	0	DSW	29289	2613		34099
27	2C5A5i3f	Tantpur	SB42	0.5	3.5	1	2	448	896.9	1641.3	0	DSW	27598	2462		32129
28	2C5A5i3f	Tantpur	SB43	0.5	3.5	1	2	386	771.8	1412.4	0	DSW	23748	2119		27647
29	2C5A5i3f	Tantpur	SB29	0.5	3.5	1	2	201	401.6	734.9	0	DSW	12356	1102		14385
Total								10568	21144	48795.7	0		650610	0		757448

Details of Water Resources															
Total								0	0	0	0		0	0	0
Details of Afforestation and Agro forestry															
30	2C5A5i3f	Tantpur	AFL113					194							2340
31	2C5A5i3f	Tantpur	AFL89					58							690
32	2C5A5i3f	Tantpur	AFL90					47							570
33	2C5A5i3f	Tantpur	AFL103					95							1140
34	2C5A5i3f	Tantpur	AFL106					208							2490
35	2C5A5i3f	Tantpur	AFL107					103							1230
36	2C5A5i3f	Tantpur	AFL108					102							1230
37	2C5A5i3f	Tantpur	AFL109					102							1230
38	2C5A5i3f	Tantpur	AFL110					94							1140
39	2C5A5i3f	Tantpur	AFL88					188							2250
40	2C5A5i3f	Tantpur	AFL112					87							1050
41	2C5A5i3f	Tantpur	AFL124					641							7680
42	2C5A5i3f	Tantpur	AFL114					404							4860
43	2C5A5i3f	Tantpur	AFL115					593							7110
44	2C5A5i3f	Tantpur	AFL116					1035							12420
45	2C5A5i3f	Tantpur	AFL118					141							1680
46	2C5A5i3f	Tantpur	AFL119					516							6180
47	2C5A5i3f	Tantpur	AFL121					255							3060
48	2C5A5i3f	Tantpur	AFL122					162							1950
49	2C5A5i3f	Tantpur	AFL123					71							840
50	2C5A5i3f	Tantpur	AFL111					89							1080
Total															62220
Grand Total															819668

ANNEXURE-II

Table II.1 Contribution to Watershed Development Fund (WDF)

Name of Gram Panchayat :Basai Jagner

Beneficiary wise details of Proposed / Planned Watershed Development Activities

Plan Estimate of Village / Watershed : Kharahki / 2C5A5g1f

S.No	Name of Work	Khasara No.	Total Benifited area (Ha.)	Plot Area (Ha.)	Length	Total Cost (Rs.)	WDF(Rs.)
1	WHB01	50	0.050	0.050	460	156925	7846
2	WHB02	P	1.672	0.384	343	116808	1340
3		8		1.289			4500
4	SB13	37	0.303	0.303	339	24312	1216
5	WHB03	39	17.359	0.752	435	148327	321
6		53		3.544			1514
7		43		1.433			612
8		44		0.281			120
9		42		1.106			473
10		41		0.827			353
11		51		0.608			260
12		40		5.365			2292
13		49		1.804			771
14	WHB04	46	22.692	4.587	198	67420	681
15		P		8.995			1336
16		18		5.379			799
17		47		3.731			554
		Total	42.077	40.438	1775	513792	24988

Plan Estimate of Village / Watershed : Kharahki / 2C5A5g1g

S.No	Name of Work	Khasara No.	Total Benifited area (Ha.)	Plot Area (Ha.)	Length	Total Cost (Rs.)	WDF(Rs.)
18	SB01	79	5.467	0.295	629	45056	122
19		77		0.475			196
20		84		0.347			143
21		82		0.022			9
22		81		0.267			110
23		80		0.262			108
24		83		0.034			14
25		76		2.633			1085
26		60		1.133			467
27	SB02	95	0.479	0.479	159	11391	570
28	SB03	125	3.207	1.657	543	38869	1005
29		128		0.226			137
30		91		1.324			802
31	SB04	93	4.614	1.029	384	27477	306
32		92		3.585			1068
33	SB05	112	1.978	1.624	305	21816	895
34		113		0.354			195
35	SB06	171	6.280	1.002	533	38219	305
36		168		0.852			259
37		132		4.426			1347
38	SB07	160	8.635	1.967	444	31831	363
39		161		0.443			82
40		167		0.652			120
41		159		0.645			119
42		165		0.385			71
43		169		4.171			769
44		166		0.372			68

45	SB08	182	0.142	0.142	310	22193	1110
46	SB09	181	1.332	0.123	112	8050	37
47		62		1.209			365
		Total	32.134	32.134	3419	244902	12247

Plan Estimate of Village / Watershed : Gadhi Karimpur / 2C5A5i3d

S.No	Name of Work	Khasara No.	Total Benifited area (Ha.)	Plot Area (Ha.)	Length	Total Cost (Rs.)	WDF(Rs.)
48	SB10	139	2.915	0.604	563	40345	418
49		124		0.617			427
50		130		0.565			391
51		123		0.804			556
52		113		0.324			225
		Total	2.915	2.915	563	40345	2017

Plan Estimate of Village / Watershed : Gadhi Karimpur / 2C5A5i3f

S.No	Name of Work	Khasara No.	Total Benifited area (Ha.)	Plot Area (Ha.)	Length	Total Cost (Rs.)	WDF(Rs.)
53	SB02	165	0.917	0.917	334	23949	1197
		Total	0.917	0.917	334	23949	1197

Plan Estimate of Village / Watershed : Nasaua / 2C5A5i3f

S.No	Name of Work	Khasara No.	Total Benifited area (Ha.)	Plot Area (Ha.)	Length	Total Cost (Rs.)	WDF(Rs.)
54	SB04	144	1.479	0.085	368	26351	76

55		145		0.133			118
56		151		0.557			496
57		148		0.704			627
58	SB05	128	1.010	1.010	646	46261	2313
59	SB06	141/541	0.070	0.070	183	13117	656
60	WHB01	152	8.735	1.282	529	180289	1323
61		122		0.832			859
62		127		1.264			1304
63		140		0.645			666
64		141		0.623			643
65		124		2.806			2896
66		139		1.282			1323
67	WHB02	102	18.369	1.348	523	218199	801
68		107		1.363			810
69		265		6.686			3971
70		P		0.033			19
71		77		1.327			788
72		99		0.032			19
73		87		1.261			749
74		98		0.668			397
75		83		0.114			68
76		268		3.209			1906
77		82		0.101			60
78		80		0.040			24
79		101		0.489			291
80		76		0.924			549
81	WHB03	114	15.161	0.542	665	226713	405
82		158		1.455			1088
83		117		0.153			115
84		119		1.560			1166
85		118		0.165			123

86		134		6.160			4606
87		157		2.491			1862
88		135		0.524			392
89		138		1.083			810
90		136		0.467			349
91		137		0.373			279
92		155		0.188			140
93	WHB04	15	10.593	0.322	390	133068	203
94		7		0.388			244
95		24		0.862			541
96		12		0.788			495
97		17		1.150			722
98		14		0.978			614
99		11		0.595			374
100		20		0.795			499
101		18		1.248			784
102	SB08	35	7.343	1.225	212	15157	126
103		49		0.774			80
104		48		2.869			296
105		36		0.889			92
106		63		1.586			164
107	SB09	65	3.241	1.661	518	37096	951
108		64		1.580			904
109	SB10	62	1.514	0.922	512	36703	1117
110		47		0.344			417
111		46		0.248			301
		Total	67.515	63.276	4546	932954	44011

Plan Estimate of Village / Watershed : Basai Jagner / 2C5A5g1f

S.No	Name of Work	Khasara No.	Total Benifited area (Ha.)	Plot Area (Ha.)	Length	Total Cost (Rs.)	WDF(Rs.)
112	SB14	104	1.297	1.297	188	13451	673
113	SB15	675	4.933	4.933	135	9687	484
114	SB16	100	1.660	0.309	177	12704	118
115		99		1.351			517
116	SB17	94	0.637	0.330	220	15768	409
117		93		0.307			380
118	SB21	607	0.411	0.411	182	13019	651
		Total	8.938	8.938	902	64629	3232

Note : WDF contribution has been calculated @5% proportand to the individual area. The detail WDF contribution for the complete cluster is given in the project file.

Abbreviations :

S. No.	Abbreviations	Descreption
1	AFF	Afforestation block plantation
2	AFS	Staggered trenching with Afforestation
3	AFL	Afforestation Scattered
4	PND	Pond
5	PB	Peripheral Bund
6	MB	Marginal Bund
7	CB	Contour Bund
8	CD	Check Dam
9	ECD	Earthen Check Dam
10	SMB/ SB	Submergence bund
11	RS	Recharge Shaft
12	CRB	Checkroad Bund
13	WHB	Water Harvesting Bund
14	GP	Gully Plug
15	FB	Field Bund
16	DB	Diversion Bund
17	HMP	Hume Pipe Outlet
18	MSN	Masonary Outlet
19	STN	Stone Outlet
20	CHT	Chute Outlet
21	DSW	Drop Spillway Outlet