LDWR, MOTH-JHANSI (UP)

DETAIL PROJECT REPORT

SAVE WATER AND SAFE YOUR LIFE

LDWR-MOTH

2009-10

[LAND DEVELOPMENT AND WATER RESOURCES MOTH-JHANSI (UP)]

CERTIFICATE

This is to be certified that the proposed Project (IWMP-II) comprising eight micro-watersheds of district Jhansi, 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-II, 2009-10** is approved for its implementation.

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EXECUTIVE SUMMARY

All the micro-watersheds of IWMP-II, 2009-10 are situated in Gursarain Block of District Jhansi, Uttar Pradesh. The extent of latitude and longitude of the project is 25^0 25' 24.96" to 25^0 35' 1.32" N and 79^0 01' 28.2" to 79^0 08' 23.28" E. The project consists of nine micro-watersheds namely Baswaha (2C2B1e1b), Chhiraura Bujurg (2C2B1q2b), Dugara (2C2B1q2c), Garah (2C2B1q2a), Karri (2C2B1e1a), Lathwara (2C2B1q1c), Pandwaha (2C2B1q2d), Todi Fatehpur (2C2B1r1a) and Vikrampura Sani (2C2B1k1a) with total geographical area of 7382.066 ha, out of which 6540 ha is treatable with total outlay of Rs. 784.80 lakh under Integrated Watershed Management Programme. The Project Implementing Agency (PIA) is Bhumi Sanrakshan Adhikari, Department of Land Development and Water Resources, Moth Jhansi, Uttar Pradesh.

All micro-watershed falls in agro-climatic zone of Central Plateau Hill Region representing a transitional zone of tropical sub-humid to semi-arid and comes under hot moist semi-arid ecological sub-region. The micro-watersheds of IWMP-II is situated at an elevation of some 154 to 244 m above mean sea level and has relief from 19 to 69 m. General topography of the watershed is mild to gentle.

Spatial distribution of different slope classes was prepared using Arc GIS. Slope was divided into five classes' viz. 0-0.5, 0.5-1.0, 1-3, 3-5, and more than 5 per cent. Per cent areal extent of different slope classes in IWMP-II micro-watershed is shown in Table 2.4. The dominant slope category in the micro-watershed were 1-3 per cent (47.71%) followed by 3-5 per cent (27.95%).

On an average 22.50 per cent population is scheduled caste. The watershed is water scarce. Expected runoff is worked out as 56.40 per cent annual rainfall. The watershed is dominated by desi cow and goat.

To achieve the sustainable development, all kinds of activities related to natural resource management, production systems and livelihood options for asset less people are described in Chapter-5. The total cost of the project is Rs. 1298.996 lakh. The deficit of Rs. 514.196 lakh will be made through convergence of different development schemes sponsored by Central and State Govt. All the activities of natural resource conservation are marked on the map of proposed plan.

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

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

The Watershed Committee (WC) constructed Gram Panchayat wise User groups and SHGs have been constituted and made agreement. Active participation and co-operation of community will be ensured by building their capacities through exposures and trainings.

The overall B C Ratio, including crops and animals, is 2.42 as compared to 1.86 in the pre project scenario.

CHAPTER - 1

INTRODUCTION AND BACKGROUND

Status of watershed programme and approved plan by Steering committee, Govt. of India and status of previous Detailed Project Reports for Jhansi district of Uttar Pradesh is given in following Tables 1.1, 1.2 and 1.3.

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

Details	No.	Area (ha.)
Total Micro watersheds in the district	747	502400
Workable Micro Watersheds	610	410561
Micro Watersheds already treated by LDWR & other Agencies Uttar Pradesh	421	282980
Micro Watersheds (MWS) available for treatment (At the time of start of IWMP in the district)	189	127581

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

Year	Project	MWS	Area (Treatable) (ha)	Project Cost (Rs. Lakh)	Name of PIA	Date of Sanction by S.C. Got. Of India
2009-10	IWMP-I	08	6194.00	743.28	LDWR, Jhansi-II, U.P.	16-03-2010
2009-10	IWMP-II	09	6540.00	784.80	LDWR, Moth Jhansi	16-03-2010
2009-10	IWMP-III	06	4816.00	577.92	LDWR, Jhansi-I, U.P.	16-03-2010
Total		**23**	**17550.00**	**2106.00**		

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

Sl. No.	Approved Project	Status of DPR under preparation/ prepared/approved by SLNA with date	Treatable Area ha	Project Area (Geographical) ha	Project cost Rs.(Lakh)	Project period (Fin. Year from.....q .....)	PIA
1	IWMP-I	Prepared / under revision	6194.00	6882.02	743.28	2010-11 to 2013-14	LDWR, Jhansi-II, UP
2	IWMP-II	Prepared / under revision	6540.00	7382.066	784.8	2010-11 to 2013-14	LDWR, Moth Jhansi, UP
3	IWMP-III	Prepared / under revision	4816.00	5498.79	577.92	2010-11 to 2013-14	LDWR, Jhansi-I, UP
Total			**17550.00**	**19762.88**	**2106.00**	**-**	**-**

1.1 Project Background

Integrated Watershed Management Programme-II comprises nine micro-watershed namely Baswaha (2C2B1e1b), Chhiraura Bujurg (2C2B1q2b), Dugara (2C2B1q2c), Garah (2C2B1q2a), Karri (2C2B1e1a), Lathwara (2C2B1q1c), Pandwah (2C2B1q2d) Todi Fatehpur (2C2B1r1a) and Vikrampura Sani (2C2B1k1a). Watershed project is situated in Gursarain block of District Jhansi and spread over in 25 villages of 9 gram Panchayat. The total geographical area of the IWMP-II is 7382.066 ha, out of which 6540.00 ha is treatable under Integrated Watershed Management Programme (IWMP-II).

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

Watershed project	Micro Watersheds (MWS) detail	Micro watersheds code	Treatable Area (ha)	Name of Watershed in which MWS is falling (River / Nala name)
IWMP-II	Baswaha	2C2B1e1b	800.000	Betwa River
IWMP-II	Chhiraura Bujurg	2C2B1q2b	850.00	Betwa River
IWMP-II	Garah	2C2B1q2a	625.0	Betwa River
IWMP-II	Vikrampura Sani	2C2B1k1a	1030.00	Betwa River
IWMP-II	Todi Fatehpur	2C2B1r1a	740.00	Betwa River
IWMP-II	Karri	2C2B1e1a	740.00	Betwa River
IWMP-II	Pandwah	2C2B1q2d	520.0	Betwa River
IWMP-II	Dugara	2C2B1q2c	640.00	Betwa River
IWMP-II	Lathwara	2C2B1q1c	595.00	Betwa River
			6540.00	

1.2 Need and Scope for Watershed Development

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

Long Term Objectives:

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

1.3 Weightage for selection of Watershed

Watershed project was selected on the basis of criteria mentioned in Table 1.5 and composite ranking was developed on the basis of these parameters. The seventeen criteria were taken with total of 205 weightage points. The criterion taken are availability of drinking water, irrigation, degree of soil erosion, water holding capacity, area under rainfed agriculture, status of field bund/contour bund / graded bund, presence of hard rock below the land, options for livelihood, percentage of small and marginal farmers, degraded land, ground water status, status of technical knowledge for improved farming systems, weather conditions, poverty index (% of poor population), virginity of land, productivity potential of land and soil organic carbon status. The weightage for project is about 90 per cent (Table 1.6).

Table 1.5: Criteria and weightage for selection of watershed

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

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

Table 1.6: Weightage of the project

S. No.	Criteria	Weightage points
1	Drinking water	15
2	Irrigation	10
3	Degree of soil erosion	10
4	Water holding capacity	10
5	Area under rainfed agriculture	10
6	Status of field bund/contour bund / graded bund	10
7	Presence of hard rock below the land	10
8	Options for livelihood	10
9	% of small and marginal farmers	10
10	Degraded land	15
11	Ground water status	10
12	Status of Technical Knowledge for improved farming systems	10
13	Weather condition	15
14	Poverty index (% of poor population)	10
15	Virginity	10
16	Productivity potential of land	10
17	Organic carbon status	15
	Total Weightage (Out of total 205)	185
	Weightage Percentage	95.24

1.4 Details of ongoing watershed programme

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

CHAPTER - 2

GENERAL DESCRIPTION OF PROJECT AREA

2.1 Location:

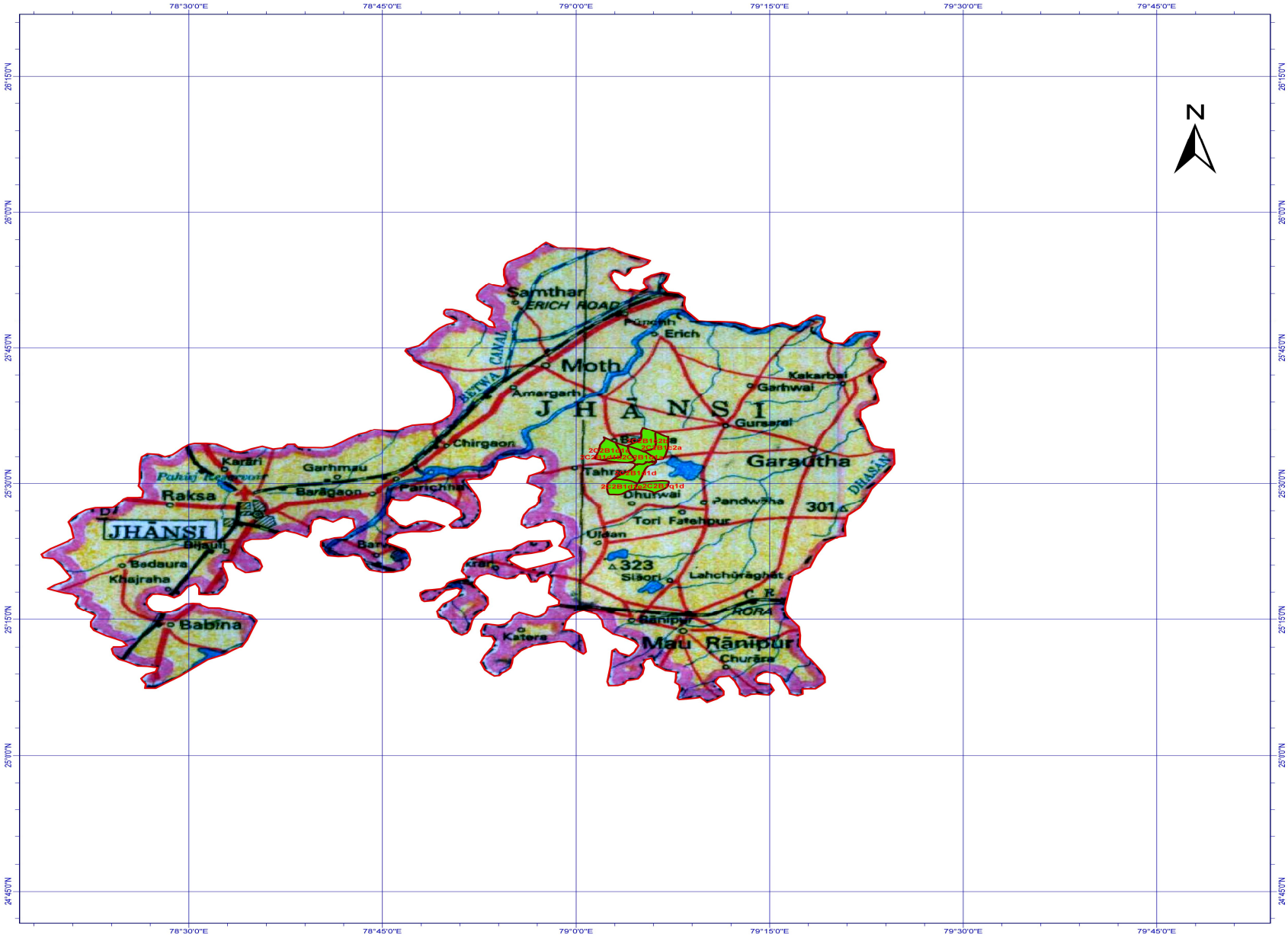
The micro-watersheds of IWMP-II is located in Gursarain block of Jhansi district. It is about 90 km. from Jhansi on Jhansi to Tahrauli road. Location (lat/long), Gram Panchayat, villages and its geographical area for each micro-watershed are depicted in Table 2.1. Total area of the project is 7382.066 ha, out of which 6540 ha is treatable. The geographical area of micro-watershed varied in the range of 575.35 to 1224.243 ha.

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

SN	Name of micro watershed with Code	Latitude / Longitude	Name of GP	Names of villages	Name of Block	Area of village included inMWS (Geographical)	Details of important /approach road with distance km
1	**Baswaha (2C2B1e1b)**	79^0 03' 42.12" - 79^0 06' 15.12" E 25^0 33' 12.96" – 25^0 36' 36.72" N	Sujuwa	Baswaha Sujuwa Dhawari	Gursarain	680.028 120.164 91.498	Jhansi to Tehrauli-Pandwaha Road 78 km from Jhansi
	Total					**891.69**	
2	**Chhiraura Bujurg (2C2B1q2b)**	79^0 01' 45.12" - 79^0 03' 29.52" E 25^0 32' 40.92" - 25^0 35' 1.32" N	Chhiraura Bujurg	Chhiraura Bujurg Garha Jauniya Pandwaha Brasingpura	Gursarain	337.416 193.966 100.85 148.514 169.497	Jhansi to Tehrauli-Pandwaha Road 82 km from Jhansi
	Total					**950.243**	
3	**Garha (2C2B1q2a)**	79^0 02' 33.36" - 79^0 04' 33.24" E 25^0 32' 31.56" - 25^0 34' 37.56" N	Garha	Garha Turk lahchura Brasingpura	Gursarain	410.21 176.54 107.55	Jhansi to Tehrauli-Pandwaha Road 90 km from Jhansi
	Total					**694.30**	
4	**Vikrampura Sani (2C2B1k1a)**	79^0 04' 01.92" - 79^0 06' 11.88" E 25^0 32' 13.92" - 25^0 34' 08.04" N	Turk Lahchura	Vikrampura Sani Turk Lahchura Garha Jauniya Chhiraura Bujurg Kutora Mau Kachhiau	Gursarain	251.908 208.614 76.816 43.936 131.315 319.315 192.339	Jhansi to Tehrauli-Pandwaha Road 82 km from Jhansi
	Total					**1224.243**	
5	**Todi Fatehpur**	79^0 06' 42.12" - 79^0 08' 23.28" E	Dugara	Todi Fatehpur	Gursarain	529.3	Jhansi to Tehrauli-

	(2C2B1r1a)	25^0 25’ 24.96” - 25^0 28’ 14.88” N		Dhana Bilgaon Etwa Ataniya		71.35 227.28 12.37	Pandwaha Road 78 km from Jhansi
	Total					**840.30**	
6	**Karri (2C2B1e1a)**	79^0 03’ 05.4” - 79^0 06’ 52.2” E 25^0 30’ 31.32” - 25^0 32’ 31.2” N	Sujuwa	Karri Baswaha Ataniya Dhana Bilgaon Todi Fateh pur	Gursarain	431.337 207.562 70.31 85.413 35.238	Jhansi to Tehrauli-Pandwaha Road 74 km from Jhansi
	Total					**829.86**	
7	**Pandwaha (2C2B1q1d)**	79^0 01’ 28.2” - 79^0 04’ 13.44” E 25^0 28’ 40.8” - 25^0 30’ 26.28” N	Pandwaha	Pandwaha Dugara Etwa Chhiraura Bujurg	Gursarain	409.34 54.93 78.45 32.63	Jhansi to Tehrauli-Pandwaha Road 82 km from Jhansi
	Total					**575.35**	
8	**Dugara (2C2B1q2c)**	79^0 08’ 10.68” - 79^0 06’ 18.7” E 25^0 25’ 42.96” - 25^0 27’ 23.4” N	Dugara	Dugara Etwa Pandwaha Maheba	Gursarain	535.544 158.002 6.30 14.134	Jhansi to Tehrauli-Pandwaha Road 84 km from Jhansi
						713.98	
9	**Lathawara (2C2B1q1c)**	79^0 05’ 53.16” - 79^0 08’ 1.68” E 25^0 27’ 53.64” - 25^0 29’ 57.12” N	Bela	Latawara Dabar Rawatpura Baswaha	Gursarain	201.60 182.50 248.60 29.40	Jhansi to Tehrauli-Pandwaha Road 78 km from Jhansi
	Total	-	-	-	-	**662.10**	-
	Grand Total	-	-	-	-	**7382.066**	-

LOCATION MAP OF IWMP - I



2.2 Area and Landuse: Village wise detailed information on type of land is depicted in Table 2.2. The total culturable land of the project is 6589.39 ha, out of which 219.08 (3.32%) ha land is under assured irrigation mainly by means of open shallow dug wells. The cultivable rainfed, temporary and permanent wastelands are about 90.20, 4.77 and 1.703 per cent, respectively, of culturable land of the project.

Table 2.2: Details of land resources in IWMP-II of Jhansi district

SN	Name of micro watershed with Code	Name of village	Cultivated and wasteland area of the village (ha)				Area details (ha) (falling within the projects)								
			Cultivated rainfed area	Cultivated irrigated area (Assured)	Uncultivated wasteland/ fallow		Pvt. Agri. Land					Forest Land	Community land	Others	Total area (ha)
					Temp.	Permanent	Gen	SC	ST	OBC	Total			road, habitat etc	
1	Baswaha (2C2B1e1b)	Baswaha	565.16	13.73	15.48	8.96	212.77	67.11	0.00	328.21	608.09	0.00	15.60	56.20	679.89
		Sujuwa	99.90	2.43	6.06	1.88	37.61	11.86	0.00	58.10	107.57	0.00	2.76	9.93	120.26
		Dhawari	76.04	1.85	4.62	1.43	28.63	9.03	0.00	44.22	81.88	0.00	2.10	7.56	91.54
	Total (MWS) Area		**741.10**	**18.01**	**26.16**	**12.27**	**279.01**	**88.00**	**0.00**	**430.53**	**797.54**	**0.00**	**20.46**	**73.69**	**891.69**
2	Chhiraura Bujurg (2C2B1q2b)	Chhiraura Bujurg	269.37	7.81	12.46	4.12	105.82	33.38	0.00	162.18	301.38	0.00	7.74	27.79	336.91
		garha	160.67	4.49	6.77	3.02	60.82	19.19	0.00	93.68	173.69	0.00	4.45	15.97	194.11
		Jauniya	83.52	2.33	5.09	1.57	31.62	9.97	0.00	48.70	90.29	0.00	2.31	8.30	100.90
		Pandwaha	123.04	3.44	7.50	2.32	46.58	14.69	0.00	71.74	133.01	0.00	3.41	12.23	148.65
		Brasingpura	140.44	3.92	5.67	2.64	53.16	16.77	0.00	81.89	151.82	0.00	3.89	13.96	169.67
	Total (MWS) Area		**777.04**	**21.99**	**37.49**	**13.67**	**298.00**	**94.00**	**0.00**	**458.19**	**850.19**	**0.00**	**21.80**	**78.25**	**950.24**
3	Garha (2C2B1q2a)	Garha	330.03	7.68	16.86	6.41	128.79	40.17	0.00	198.51	367.47	0.00	9.42	33.26	410.21
		Turk Lehchura	147.25	3.31	8.92	2.76	55.44	17.29	0.00	85.44	158.17	0.00	4.06	14.32	176.54
		Brasingpura	89.70	2.01	5.44	1.68	33.77	10.53	0.00	52.05	96.35	0.00	2.47	8.72	107.55
	Total (MWS) Area		**566.98**	**13.00**	**31.22**	**10.85**	**218.00**	**67.99**	**0.00**	**336.00**	**621.99**	**0.00**	**15.95**	**56.30**	**694.30**
4	Vikrampura Sani (2C2B1k1a)	Vikrampura Sani	177.23	19.14	12.71	3.93	78.82	24.70	0.00	122.51	226.03	0.00	5.78	20.84	252.65
		Turk Lehchura	161.73	15.85	10.53	3.25	65.26	20.45	0.00	100.71	186.42	0.00	4.78	17.25	208.45
		Garha	59.51	5.83	3.87	1.20	24.01	7.52	0.00	37.06	68.59	0.00	1.76	6.35	76.70

		Jauniya	34.07	3.34	2.22	0.69	13.75	4.31	0.00	21.22	39.28	0.00	1.01	3.64	43.93
		Chhiraura Bujurg	101.84	9.98	6.63	2.05	41.10	12.88	0.00	63.41	117.39	0.00	3.01	10.87	131.27
		Kutora	237.54	24.25	16.11	4.98	99.89	31.30	0.00	154.13	285.32	0.00	7.32	26.41	319.05
		Mau Kachhiau	149.11	14.61	9.70	3.00	60.17	18.85	0.00	92.85	171.87	0.00	4.41	15.91	192.19
	Total (MWS) Area		**921.03**	**93.00**	**61.77**	**19.10**	**383.00**	**120.01**	**0.00**	**591.89**	**1094.90**	**0.00**	**28.07**	**101.27**	**1224.24**
5	Todi Fatehpur (2C2B1r1a)	Todi Fatehpur	413.00	9.45	26.16	8.09	162.51	51.02	0.00	249.84	463.37	0.00	11.89	53.73	528.99
		Dhana Bilgaon	58.21	1.27	3.53	1.09	21.90	6.88	0.00	33.79	62.57	0.00	1.60	7.24	71.41
		Etwa	185.47	4.06	11.23	3.47	69.79	21.91	0.00	107.66	199.36	0.00	5.11	23.07	227.54
		Ataniya	10.08	0.22	0.61	0.19	3.79	1.19	0.00	5.85	10.83	0.00	0.28	1.25	12.36
	Total (MWS) Geographical Area		**666.76**	**15.00**	**41.53**	**12.84**	**257.99**	**81.00**	**0.00**	**397.14**	**736.13**	**0.00**	**18.88**	**85.29**	**840.30**
6	Karri (2C2B1e1a)	Karri	346.20	10.40	12.73	6.72	134.63	42.62	0.00	207.89	385.14	0.00	9.88	36.31	431.33
		Baswaha	171.39	5.00	10.45	3.23	64.78	20.51	0.00	100.04	185.33	0.00	4.75	17.47	207.55
		Ataniya	58.04	1.69	3.54	1.09	21.94	6.95	0.00	33.88	62.77	0.00	1.61	5.92	70.30
		Dhana Bilgaon	70.52	2.06	4.30	1.33	26.65	8.44	0.00	41.16	76.25	0.00	1.96	7.19	85.40
		Todi Fatehpur	29.12	0.85	1.78	0.55	11.01	3.49	0.00	17.00	31.50	0.00	0.81	2.97	35.28
	Total (MWS) Area		**675.27**	**20.00**	**32.80**	**12.92**	**259.01**	**82.01**	**0.00**	**399.97**	**740.99**	**0.00**	**19.01**	**69.86**	**829.86**
7	Pandwaha (2C2B1q1d)	Pandwaha	332.21	5.68	11.52	6.37	127.93	40.21	0.00	191.60	359.74	0.00	9.37	33.62	402.73
		Dugara	48.20	0.80	2.90	0.90	18.02	5.66	0.00	27.80	51.48	0.00	1.32	4.74	57.54
		Etwa	67.48	1.12	4.07	1.26	25.23	7.93	0.00	38.92	72.08	0.00	1.85	6.63	80.56
		Chhiraura Bujurg	28.92	0.48	1.74	0.54	10.81	3.40	0.00	16.68	30.89	0.00	0.79	2.84	34.52
	Total (MWS) Area		**476.81**	**8.08**	**20.23**	**9.07**	**181.99**	**57.20**	**0.00**	**275.00**	**514.19**	**0.00**	**13.33**	**47.83**	**575.35**
8	Dugara (2C2B1q2c)	Dugara	434.58	12.00	20.67	8.36	167.90	52.77	0.00	259.04	479.71	0.00	12.30	43.48	535.49
		Etwa	130.41	3.52	7.94	2.45	49.25	15.48	0.00	75.98	140.71	0.00	3.61	12.75	157.07
		Pandwaha	5.93	0.16	0.36	0.11	2.24	0.70	0.00	3.45	6.39	0.00	0.16	0.58	7.13
		Maheba	11.86	0.32	0.72	0.22	4.48	1.41	0.00	6.91	12.80	0.00	0.33	1.16	14.29

	Total (MWS) Area		**582.78**	**16.00**	**29.69**	**11.14**	**223.87**	**70.36**	**0.00**	**345.38**	**639.61**	**0.00**	**16.40**	**57.97**	**713.98**
9	Lathawara (2C2B1q1c)	Lathawara	165.86	4.34	10.38	3.21	64.42	20.25	0.00	99.40	184.07	0.00	4.72	16.46	205.25
		Dabar	154.32	3.92	9.38	2.90	58.19	18.29	0.00	89.78	166.26	0.00	4.26	14.87	185.39
		Rawatpura	204.73	5.46	13.06	4.04	81.05	25.47	0.00	125.05	231.57	0.00	5.94	20.71	258.22
		Baswaha	11.02	0.28	0.67	0.21	4.16	1.31	0.00	6.41	11.88	0.00	0.30	1.06	13.24
	Total (MWS) Area		**535.93**	**14.00**	**33.49**	**10.36**	**207.82**	**65.32**	**0.00**	**320.64**	**593.78**	**0.00**	**15.22**	**53.10**	**662.10**
	Total IWMP –II		**5943.71**	**219.08**	**314.38**	**112.22**	**2308.69**	**725.89**	**0.00**	**3554.75**	**6589.33**	**0.00**	**169.12**	**623.56**	**7382.066**

(*Source: LDWR,Moth, Jhansi U.P.*)

2.3 Physiography

The micro-watersheds of IWMP-II is situated at an elevation of some 154 to 244 m above mean sea level and has relief from 19 to 69 m. The watershed has a general slope of less than 5 per cent. General topography of the watershed is mild to gentle. Elevation range and relief are given in Table 2.3.

Table 2.3: Micro-watershed wise elevation range and relief

Name and code of MWS	Minimum	Maximum	Relief
Baswaha (2C2B1e1b)	177	204	27
Chhiraura Bujurg (2C2B1q2b)	154	185	31
Garha (2C2B1q2a)	154	175	21
Vikrampura Sani (2C2B1k1a)	154	185	31
Todi Fatehpur (2C2B1r1a)	168	198	30
Karri (2C2B1e1a)	169	218	49
Pandwaha (2C2B1q1d)	165	188	23
Dugara (2C2B1q2c)	174	193	19
Lathawara (2C2B1q1c)	175	244	69

Slope: Spatial distribution of different slope classes was prepared using Arc GIS. Slope was divided into five classes' viz. 0-0.5, 0.5-1.0, 1-3, 3-5, and more than 5 per cent. Per cent areal extent of different slope classes in IWMP-II micro-watershed is shown in Table 2.4. The dominant slope category in the micro-watershed were 1-3 per cent (47.71%) followed by 3-5 per cent (24.94%).

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

Sl. No.	Name of MWS & code	Slope range wise area (ha)						Total Project Area (ha)
		0-0.5%	0.5-1.0%	1-3%	3-5%	>5%		
						Undulating	Terraced	
1	Baswaha (2C2B1e1b)	43.59	60.66	449.01	261.14	80.73	-	891.69
2	Chhiraura Bujurg (2C2B1q2b)	38.83	50.96	362.49	186.47	42.75	-	950.24
3	Garha (2C2B1q2a)	26.13	44.33	319.94	161.74	38.08	-	694.30
4	Vikrampura Sani (2C2B1k1a)	49.93	78.30	587.51	309.48	96.32	-	1224.24
5	Todi Fatehpur (2C2B1r1a)	30.99	57.49	422.04	229.69	86.98	-	840.30
6	Karri (2C2B1e1a)	42.00	56.93	404.77	188.53	124.13	-	829.86
7	Pandwaha (2C2B1q1d)	31.73	46.95	307.43	141.86	48.63	-	575.35
8	Dugara (2C2B1q2c)	30.0 5	53.57	352.04	214.47	69.16	-	713.98
9	Lathawara (2C2B1q1c)	21.93	42.47	316.95	148.58	130.29	-	662.10
	Total	**285.13**	**491.66**	**3522.18**	**1841.96**	**717.07**	**-**	**7382.07**

2.4 Climate

The annual rainfall of the Bundelkhand region varies from 800 to 1300 mm, about 90% of which is received during South-West monsoon period (Singh *et al*. 2002). The major part of the rainfall is received during the month of July and August. The length of growing season in Bundelkhand ranges between 90 to 150 days depending upon rainfall and temperature regimes. The winter rains are erratic, occasional, meager and uncertain. The total rainy days/year vary from 30-45 in the region with an average of 37. The distribution of rainfall is very erratic. Low rainfall and drought are common features. Long dry spells during rainy season are also experienced often, which adversely affect the crops. It has been observed that in a cycle of 5 years, 2 are normal, 2 drought years and 1 is excessive rainfall year (Tiwari *et al*. 1998).

The climate of Jhansi is characterized by a hot dry summer and cold winter and is marked for high variability of rainfall year to year. There are primarily four seasons: – Dry Summer season – from March to May i.e. before advent of monsoon, moist summer season – from June to September (Monsoon) transition period - in October and November, which is the post monsoon period, and winter season – from December to February The coldest months in the year are December and January. Average monthly rainfall and temperature

Table 2.5: Average monthly rainfall and temperature at IWMP-II, Jhansi

Month	Rainfall in mm.								Temperature c	
	2004	2005	2006	2007	2008	2009	2010	Average	Max.	Min.
January	11.1	4.8	0	0.70	0.00	8.80	3.20	4.09	18.7	13.5
February	0	0.4	0	31.40	0.00	0.80	23.60	8.03	21.3	15.6
March	0	13	30.10	17.50	0.00	0.00	0.00	8.66	32.8	21.6
April	10.4	1.8	0	0.10	2.80	2.70	1.80	2.80	38.40	29.7
May	4.6	6.4	22.40	13.90	18.20	12.00	1.40	11.27	45.40	34.2
June	95.3	39.4	50.90	69.50	583.20	8.00	26.80	124.73	47.20	35.1
July	135.9	196.4	170.10	82.30	244.00	189.70	214.60	176.14	46.40	33.60
August	286.6	127.8	80.90	99.90	206.80	181.90	142.60	160.93	42.30	31.70
September	57	106.2	27.50	36.50	90.30	70.50	155.70	77.67	37.40	29.20
October	47.8	0	6.80	0	0.00	57.60	0.10	16.04	34.70	28.50
November	0	0	0	0	24.30	10.30	30.00	9.23	31.40	19.80
December	0	1.4	0.10	0.80	0.00	3.50	2.20	1.14	24.40	14.2

Source: Data site of Agro-meteorological Deptt.

The open pan evaporation varied in the range of 0.7 to 23 mm/day during the year with average of about 6 mm/day. Average relative humidity varied in the range of 25 to 98 per cent, however the range of wind speed is 0.9 to 16 kmph. The details of flood and drought in the project area are showed in Table 2.6.

Table 2.6: Details of flood and drought in the project area (IWMP-II, Jhansi)

Name of Micro Watershed	Particulars	Villages	Periodicity		Not affected
			Annual	Any other (please specify)	
Baswaha Chhiraura Bujurg Garha Vikrampura Sani Todi Fatehpur Karri Pandwaha Dugara Lathawara	Flood	No. of villages	-	-	-
		Name(s) of villages	-	-	-
	Drought	**No. of villages**- 23 **Name of Village:** Baswaha, Sujuwa, Dhawari, Chhiraura Bujurg, Garha, Jauniya, Panwaha, Brasingpura, Turk Lahchura, Vikrampura Sani, Kutora, Mau Kachhiau, Todi Fatehpur, Dhana Bilgaon, Etwa, Ataniya, Karri, Dugara, Maheba, Lathawara, Dabar, Rawatpura	-	-	
			twice in 5 years however, the region experienced severe drought during 2004-2007 and 2009 & 2010 were deficit by about 17 to 20 per cent		-

CHAPTER – 3

BASELINE SURVEY AND PARTICIPATORY RURAL APPRAISAL

Participatory rural appraisal (PRA) is a tool to appraise the socio-economic conditions along with all kind of resources available in the watershed through the active participation of the villagers. There are several tools and techniques of PRA. The PRA including house hold survey of Baswaha, Chhiraura Bujurg, Dugara, Garah, Karri, Lathwara, Pandwah, Todi Fatehpur and Vikrampura Sani micro-watershed was conducted by PIA and described in the subsequent sections.

3.1. Social-Economic Analysis

It is apparent from the social profile that the micro-watershed is inhabited by different caste and class. About 19 per cent of the population is scheduled caste. Population details of the IWMP-II are depited in Table 3.1. In general 5.91 per cent population migrate from the project area due to drought and earn more money, however, migration was more than 50 per cent during 2007-08 due to continuous drought from 2004 to 2007 in the region. Majority of population migrate to New Delhi, Haryana and Punjab during drought.The scenario of migration, infrastructure and common properties resources available in the project was analysed through house hold survey and is depicted in Table 3.2, 3.3 and 3.4, respectively.

Table 3.1: Demographic Features in the project area (IWMP-II, Jhansi)

Sr. No.	Name of Micro Watershed	Name of village	Total Population			Population of SC/ST		
			Total	Male	Female	Total	Male	Female
1	**Baswaha (2C2B1e1b)**	Baswaha	339	193	146	78	43	35
		Sujuwa	1356	770	586	312	172	140
		Dhawari	565	318	247	130	71	59
	Total No. of Population in MWS		**2260**	**1281**	**979**	**520**	**286**	**234**
2	**ChhirauraBujurg (2C2B1q2b)**	Chhiraura Bujurg	840	468	372	193	106	87
		Garha	484	283	201	111	61	50
		Jauniya	252	156	96	58	32	26
		Pandwaha	368	200	168	85	47	38
		Brasingpura	420	420	223	97	53	44
	Total No. of Population in MWS		**2364**	**1330**	**1034**	**544**	**299**	**245**
3	**Garha (2C2B1q2a)**	Garha	1401	808	593	322	177	145
		Turk lahchura	604	333	271	139	76	63
		Brasingpura	370	198	172	85	47	38
	Total No. of Population in MWS		**2375**	**1339**	**1036**	**546**	**300**	**246**
4	**Vikrampura Sani Sani (2C2B1k1a)**	Vikrampura Sani	1035	590	445	238	131	107
		Turk Lahchura	1070	564	506	246	135	111
		Garha	2526	1418	1108	581	320	261
		Jauniya	210	126	84	49	27	22
		Chhiraura Bujurg	1516	848	668	349	192	157
		Kutora	920	595	325	211	116	95
		Mau Kachhiau	1075	597	478	247	136	111
	Total No. of Population in MWS		**8352**	**4738**	**3614**	**1921**	**1057**	**864**

5	**Todi Fatehpur (2C2B1r1a)**	Todi Fatehpur	1196	657	538	275	151	124
		Dhana Bilgaon	179	99	81	41	23	18
		Etwa	500	267	233	115	63	52
		Ataniya	30	17	13	7	4	3
	Total No. of Population in MWS		**1905**	**1040**	**865**	**438**	**241**	**197**
6	**Karri (2C2B1e1a)**	Karri	1035	569	466	238	131	107
		Baswaha	498	273	225	115	63	52
		Ataniya	169	93	77	39	21	18
		Dhana Bilgaon	205	113	92	47	26	21
		Todi Fateh pur	85	46	39	20	11	**9**
	Total No. of Population in MWS		**1192**	**1095**	**897**	**274**	**151**	**123**
7	**Pandwaha (2C2B1q1d)**	Pandwaha	1407	773	634	324	178	146
		Dugara	221	122	99	51	28	23
		Etwa	315	173	142	72	40	32
		Chhiraura Bujurg	127	69	58	29	16	13
	Total No. of Population in MWS		**2070**	**1137**	**933**	**476**	**262**	**214**
8	**Dugara (2C2B1q2c)**	Dugara	1822	1002	820	419	230	189
		Etwa	541	298	243	124	68	56
		Pandwaha	23	13	10	5	3	2
		Maheba	46	25	21	11	6	5
	Total No. of Population in MWS		**2432**	**1338**	**1094**	**559**	**308**	**252**
9	**Lathawara (2C2B1q1c)**	Latawara	689	379	310	158	87	71
		Dabar	730	402	329	168	92	76
		Rawatpura	997	548	449	229	126	103
		Baswaha	181	100	81	42	23	189
	Total No. of Population in MWS		**2597**	**1428**	**1169**	**597**	**328**	**269**
	Total IWMP –II		**25547**	**14726**	**11621**	**5875**	**3232**	**2644**

Table 3.2: Details of land holding pattern in IWMP-II, Jhansi

S. No.	Names MWS with code	Name of Village	Type of Farmer	No. of households	No. of BPL households	Land holding (ha)		
						Irrigated	Rainfed	Total
1	**Baswaha (2C2B1e1b)**	Baswaha Sujuwa Dhawari	(i) Big (above 4 ha.)	38	0	11.71	156.25	
			(ii) Medium (2-4 ha.)	143	7	3.22	314.20	
			(iii) Small (1-2 ha.)	133	43	1.35	158.22	
			(iv) Marginal (0-1ha.)	156	119	1.73	112.43	

			(v) Landless	6	6	0	0	
			Total	**476**	**174**	**18.01**	**741.100**	**797.54**
2	**Chhiraura Bujurg (2C2B1q2b)**	Chhiraura Bujurg Garha Jauniya Pandwaha Brasingpura	(i) Big (above 4 ha.)	40	0	14.29	167.14	
			(ii) Medium (2-4 ha.)	149	7	3.94	327.66	
			(iii) Small (1-2 ha.)	139	44	1.65	165.00	
			(iv) Marginal (0-1ha.)	163	124	2.11	117.24	
			(v) Landless	6	6	0	0	
			Total	**496**	**182**	**21.99**	**777.043**	**850.19**
3	**Garha (2C2B1q2a)**	Garha Turk lahchura Brasingpura	(i) Big (above 4 ha.)	29	0	8.45	119.01	
			(ii) Medium (2-4 ha.)	109	5	2.33	240.66	
			(iii) Small (1-2 ha.)	102	33	0.98	121.19	
			(iv) Marginal (0-1ha.)	120	91	1.25	86.11	
			(v) Landless	4	4	0	0	
			Total	**365**	**133**	**13.00**	**566.980**	**621.99**
4	**Vikrampura Sani (2C2B1k1a)**	Vikrampura Sani Turk Lahchura Garha Jauniya Chhiraura Bujurg Kutora Mau Kachhiau	(i) Big (above 4 ha.)	51	0	60.45	134.00	
			(ii) Medium (2-4 ha.)	192	10	16.65	422.82	
			(iii) Small (1-2 ha.)	179	57	6.98	212.92	
			(iv) Marginal (0-1ha.)	210	160	8.93	151.29	
			(v) Landless	8	8	0	0	
			Total	**641**	**234**	**93.00**	**921.033**	**1094.90**
5	**Todi Fatehpur (2C2B1r1a)**	Todi Fatehpur Dhana Bilgaon Etwa Ataniya	(i) Big (above 4 ha.)	33	0	9.75	153.33	
			(ii) Medium (2-4 ha.)	125	6	2.69	275.83	
			(iii) Small (1-2 ha.)	117	37	1.13	138.90	
			(iv) Marginal (0-1ha.)	137	104	1.44	98.70	
			(v) Landless	5	5	0	0	
			Total	**418**	**153**	**15.00**	**666.760**	**736.13**
6	**Karri (2C2B1e1a)**	Karri Baswaha Ataniya Dhana Bilgaon Todi Fateh pur	(i) Big (above 4 ha.)	35	0	13.00	133.97	
			(ii) Medium (2-4 ha.)	132	7	3.58	290.80	
			(iii) Small (1-2 ha.)	123	39	1.50	146.44	
			(iv) Marginal (0-1ha.)	145	110	1.92	104.05	
			(v) Landless	5	5	0	0	
			Total	**441**	**161**	**20.00**	**675.270**	**740.99**
7	**Pandwaha (2C2B1q1d)**	Pandwaha Dugara Etwa Chhiraura Bujurg	(i) Big (above 4 ha.)	24	0	5.25	101.67	
			(ii) Medium (2-4 ha.)	92	5	1.45	201.54	
			(iii) Small (1-2 ha.)	86	27	0.61	101.49	
			(iv) Marginal (0-1ha.)	100	76	0.78	72.11	
			(v) Landless	4	4	0	0	

			Total	**305**	**112**	**8.08**	**476.810**	**514.19**
8	**Dugara (2C2B1q2c)**	Dugara Etwa Pandwaha Maheba	(i) Big (above 4 ha.)	30	0	10.40	120.79	
			(ii) Medium (2-4 ha.)	113	6	2.86	248.20	
			(iii) Small (1-2 ha.)	105	34	1.20	124.99	
			(iv) Marginal (0-1ha.)	123	94	1.54	88.81	
			(v) Landless	5	5	0	0	
			Total	**376**	**138**	**16.00**	**582.780**	**639.61**
9	**Lathawara (2C2B1q1c)**	Latawara Dabar Rawatpura Baswaha	(i) Big (above 4 ha.)	28	0	9.10	113.16	
			(ii) Medium (2-4 ha.)	103	5	2.51	227.12	
			(iii) Small (1-2 ha.)	96	31	1.05	114.37	
			(iv) Marginal (0-1ha.)	113	86	1.34	81.27	
			(v) Landless	4	4	0	0	
			Total	**344**	**126**	**14.00**	**535.930**	**593.78**
	Total of project		**Grand Total**	**3862**	**1413**	**219**	**5943.71**	**6589.33**

Table 3.3: Details of migration from Project area (IWMP-II, Jhansi): Pre-project status

Sl. No.	Names of Watershed	Name of village	No. of persons migrating	No. of days per year of migration	Major reason(s) for migrating	Distance of destination of migration from the village (km)	Occupation during migration	Income from such occupation (Rs. in lakh)
1	**Baswaha (2C2B1e1b)**	Baswaha	85	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Sujuwa	339	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Dhawari	141	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
	Total no. of migrators in MWS		**565**					
2	**Chhiraura Bujurg (2C2B1q2b)**	Chhiraura Bujurg	50	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Garha	35	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Jauniya	18	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Pandwaha	22	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Brasingpura	26	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
	Total no. of migrators in MWS		**151**					
3	**Garha (2C2B1q2a)**	Garha	35	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Turk lahchura	35	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Brasingpura	26	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
	Total no. of migrators in MWS		**96**					
4	**Vikrampura Sani (2C2B1k1a)**	Vikrampura Sani	20	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Turk Lahchura	10	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Garha	0	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Jauniya	35	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Chhiraura Bujurg	20	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Kutora	15	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Mau Kachhiau	18	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
	Total no. of migrators in MWS		**118**					
5	**Todi Fatehpur (2C2B1r1a)**	Todi Fatehpur	34	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Dhana Bilgaon	27	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Etwa	29	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Ataniya	17	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
	Total no. of migrators in MWS		**107**					
6	**Karri**	Karri	40	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40

	(2C2B1e1a)	Baswaha	30	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Ataniya	21	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Dhana Bilgaon	18	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Todi Fatehpur	14	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
	Total no. of migrators in MWS		**123**					
7	**Pandwaha (2C2B1q1d)**	Pandwaha	52	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Dugara	23	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Etwa	32	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Chhiraura Bujurg	25	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
	Total no. of migrators in MWS		**132**					
8	**Dugara (2C2B1q2c)**	Dabar	26	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Lathwara	22	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Baswaha	12	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Dahawari	**16**	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
	Total no. of migrators in MWS		**76**					
9	**Lathawara (2C2B1q1c)**	Dugara	40	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Etwa	29	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Pandwaha	53	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
		Maheba	19	120-180	Drought / Betterment	500-1100 Km	Labour	0.25-0.40
	Total no. of migrators in MWS		**141**	-	-	-	-	-
	Total no. of migrators in MWS IWMP –II		**1509**	-	-	-	-	-

Photographs of PRA Exercise



Fig. 3.1: Deep water table in open shallow dug well in the watershed



Fig. 3.1: Measurment of water level in dug well at watershed area



Fig. 3.3: Participatory planning in the watershed



Fig. 3.4: Participatory planning in the watershed

Table 3.4: Details of infrastructure in IWMP-II, Jhansi

S N	Name of Micro Watershed		Parameters		Status			
1	**Baswaha**		(i)	Name of villages connected to the main road by an all-weather road	Jhansi to Tehrauli- Pandwaha Road			
			(ii)	Village's Name provided with electricity	Sujuwa, Dhawari			
			(iii)	No. of households without access to drinking water	No Habitation			
			(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 00	(S) 00	(HS) -	(VI) -
			(v)	Names of villages with access to Primary Health Centre	Unavailable(No Habitation)			
			(vi)	Names of villages with access to Veterinary Dispensary	N.A			
			(vii)	Names of villages with access to Post Office	NA			
			(viii)	Names of villages with access to Banks	N.A			
			(ix)	Names of villages with access to Markets/ mandis	N.A			
			(x)	Names of villages with access to Agro-industries	N.A			
			(xi)	Total quantity of surplus milk deficit	NIL			
			(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 00
			(xiii)	Name of villages with access to Anganwadi Centre	Baswaha, Sujuwa, Dhawari			
			(xiv)	Cummunity centre, Panchayat Ghar	Unavailable(No Habitation)			

S N	Name of Micro Watershed		Parameters		Status			
2	**Chhiraura Bujurg**		(i)	Name of villages connected to the main road by an all-weather road	Jhansi to Tehrauli- Pandwaha Road			
			(ii)	Village's Name provided with electricity	Chhiraura Bujurg, Garha, Jauniya, Pandwaha, Brasingpura			
			(iii)	No. of households without access to drinking water	No Habitation			
			(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 00	(S) 00	(HS) -	(VI) -
			(v)	Names of villages with access to Primary Health Centre	Unavailable(No Habitation)			
			(vi)	Names of villages with access to Veterinary Dispensary	N.A			
			(vii)	Names of villages with access to Post Office	NA			
			(viii)	Names of villages with access to Banks	N.A			
			(ix)	Names of villages with access to Markets/ mandis	N.A			
			(x)	Names of villages with access to Agro-industries	N.A			
			(xi)	Total quantity of surplus milk deficit	NIL			
			(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 00
			(xiii)	Name of villages with access to Anganwadi Centre	Chhiraura Bujurg, Garha, Jauniya, Pandwaha, Brasingpura			
			(xiv)	Cummunity centre, Panchayat Ghar	Unavailable(No Habitation)			

S N	Name of Micro Watershed		Parameters	Status

3	**Garha**		(i)	Name of villages connected to the main road by an all-weather road	On Tehrauli To Gursarai Road			
			(ii)	Village's Name provided with electricity	Garha ,Turk lahchura, Brasingpura			
			(iii)	No. of households without access to drinking water	72 Against 381			
			(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 03	(S) 02	(HS) -	(VI) -
			(v)	Names of villages with access to Primary Health Centre	Available -01			
			(vi)	Names of villages with access to Veterinary Dispensary	N.A			
			(vii)	Names of villages with access to Post Office	01			
			(viii)	Names of villages with access to Banks	N.A			
			(ix)	Names of villages with access to Markets/ mandis	Available			
			(x)	Names of villages with access to Agro-industries	N.A			
			(xi)	Total quantity of surplus milk deficit	NIL			
			(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 03
			(xiii)	Name of villages with access to Anganwadi Centre	Garha , Turk lahchura, Brasingpura			
			(xiv)	Cummunity centre, Panchayat Ghar	Available			

N	**Name of Micro Watershed**		**Parameters**		**Status**
4	**Vikrampura Sani**		(i)	Name of villages connected to the main road by an all-weather road	On Tehrauli To Gursarai Road
			(ii)	Village's Name provided with electricity	Vikrampura Sani, Turk Lahchura, Garha, Jauniya,Chhiraura

					Bujurg,Kutora,Mau Kachhiau			
			(iii)	No. of households without access to drinking water	93 Against 476			
			(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 03	(S) 02	(HS) -	(VI) -
			(v)	Names of villages with access to Primary Health Centre	Available -01			
			(vi)	Names of villages with access to Veterinary Dispensary	N.A			
			(vii)	Names of villages with access to Post Office	01			
			(viii)	Names of villages with access to Banks	N.A			
			(ix)	Names of villages with access to Markets/ mandis	Available			
			(x)	Names of villages with access to Agro-industries	N.A			
			(xi)	Total quantity of surplus milk deficit	NIL			
			(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/others (O))	(U) -	(S) -	(PA) -	(O) 04
			(xiii)	Name of villages with access to Anganwadi Centre	Vikrampura Sani, Turk Lahchura, Garha, Jauniya, Chhiraura Bujurg, Kutora, Mau Kachhiau			
			(xiv)	Cummunity centre, Panchayat Ghar	Available			

SN	**Name of Micro Watershed**		**Parameters**		**Status**
5	**Todi Fatehpur**		(i)	Name of villages connected to the main road by an all-weather road	On Tehrauli To Gursarai Road
			(ii)	Village's Name provided with electricity	Todi Fatehpur, Dhana Bilgaon, Etwa, Ataniya
			(iii)	No. of households without access to drinking water	113 Against 547

			(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 03	(S) 03	(HS) -	(VI) -
			(v)	Names of villages with access to Primary Health Centre	Available -01			
			(vi)	Names of villages with access to Veterinary Dispensary	N.A			
			(vii)	Names of villages with access to Post Office	01			
			(viii)	Names of villages with access to Banks	N.A			
			(ix)	Names of villages with access to Markets/ mandis	Available			
			(x)	Names of villages with access to Agro-industries	N.A			
			(xi)	Total quantity of surplus milk deficit	NIL			
			(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/others (O))	(U) -	(S) -	(PA) -	(O) 03
			(xiii)	Name of villages with access to Anganwadi Centre	Todi Fatehpur, Dhana Bilgaon, Etwa, Ataniya			
			(xiv)	Cummunity centre, Panchayat Ghar	Available			

S N	**Name of Micro Watershed**		**Parameters**		**Status**			
6	**Karri**		(i)	Name of villages connected to the main road by an all-weather road	On Tehrauli to Gursarai to **Vikrampura Sani** Road to **Karri**			
			(ii)	Village's Name provided with electricity	Karri,Baswaha,Ataniya,Dhana Bilgaon,Todi Fateh pur			
			(iii)	No. of households without access to drinking water	103 Against 524			
			(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 06	(S) 05	(HS) -	(VI) -
			(v)	Names of villages with access to Primary Health Centre	Available -04			

			(vi)	Names of villages with access to Veterinary Dispensary	Available -03			
			(vii)	Names of villages with access to Post Office	03			
			(viii)	Names of villages with access to Banks	N.A			
			(ix)	Names of villages with access to Markets/ mandis	Available			
			(x)	Names of villages with access to Agro-industries	N.A			
			(xi)	Total quantity of surplus milk deficit	NIL			
			(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/others (O))	(U) -	(S) -	(PA) -	(O) 08
			(xiii)	Name of villages with access to Anganwadi Centre	Karri,Baswaha,Ataniya,Dhana Bilgaon,Todi Fateh pur			
			(xiv)	Cummunity centre, Panchayat Ghar	Available-05			

S N	**Name of Micro Watershed**		Parameters	Status			
7	**Pandwaha**	(i)	Name of villages connected to the main road by an all-weather road	On Tehrauli to Dhurbai Road			
		(ii)	Village's Name provided with electricity	Pandwaha,Dugara,Etwa,Chhiraura Bujurg			
		(iii)	No. of households without access to drinking water	118 Against 570			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 05	(S) 05	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre	Available -05			
		(vi)	Names of villages with access to Veterinary Dispensary	N.A.			
		(vii)	Names of villages with access to Post Office	02			

		(viii)	Names of villages with access to Banks	N.A			
		(ix)	Names of villages with access to Markets/ mandis	Available			
		(x)	Names of villages with access to Agro-industries	N.A			
		(xi)	Total quantity of surplus milk deficit	NIL			
		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/others (O))	(U) -	(S) -	(PA) -	(O) 06
		(xiii)	Name of villages with access to Anganwadi Centre	Pandwaha,Dugara,Etwa,Chhiraura Bujurg			
		(xiv)	Cummunity centre, Panchayat Ghar	Available-03			

S N	**Name of Micro Watershed**	**Parameters**		**Status**			
8	**Dugara**	(i)	Name of villages connected to the main road by an all-weather road	Gursarai to Mauranipur between Badhwar to **Dugara** road			
		(ii)	Village's Name provided with electricity	Dugara, Etwa, Pandwaha, Maheba			
		(iii)	No. of households without access to drinking water	92 Against 444			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 05	(S) 03	(HS) 01	(VI) -
		(v)	Names of villages with access to Primary Health Centre	Available -02			
		(vi)	Names of villages with access to Veterinary Dispensary	N.A.			
		(vii)	Names of villages with access to Post Office	Nil			
		(viii)	Names of villages with access to Banks	N.A			
		(ix)	Names of villages with access to Markets/ mandis	N.A			
		(x)	Names of villages with access to Agro-industries	N.A			
		(xi)	Total quantity of surplus milk deficit	NIL			

		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/others (O))	(U) -	(S) -	(PA) -	(O) 08
		(xiii)	Name of villages with access to Anganwadi Centre	Dugara, Etwa, Pandwaha, Maheba			
		(xiv)	Cummunity centre, Panchayat Ghar	Available-04			

SN	Name of Micro Watershed		Parameters		Status			
9	**Lathawara**		(i)	Name of villages connected to the main road by an all-weather road	Gursarai to Mauranipur between Badhwar to **Dugara** road			
			(ii)	Village's Name provided with electricity	Latawara, Dabar, Rawatpura, Baswaha			
			(iii)	No. of households without access to drinking water	92 Against 444			
			(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 05	(S) 03	(HS) 01	(VI) -
			(v)	Names of villages with access to Primary Health Centre	Available -02			
			(vi)	Names of villages with access to Veterinary Dispensary	N.A.			
			(vii)	Names of villages with access to Post Office	Nil			
			(viii)	Names of villages with access to Banks	N.A			
			(ix)	Names of villages with access to Markets/ mandis	N.A			
			(x)	Names of villages with access to Agro-industries	N.A			
			(xi)	Total quantity of surplus milk deficit	NIL			
			(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/others (O))	(U) -	(S) -	(PA) -	(O) 08
			(xiii)	Name of villages with access to Anganwadi Centre	Latawara, Dabar, Rawatpura, Baswaha			
			(xiv)	Cummunity centre, Panchayat Ghar	Available-04			

Table 3.5: Details of common property resources In IWMP-II, Jhansi

S. No.	Names of MWS with code	CPR Particulars	Total Area (ha) Area owned/ In possession of				Area available for treatment (ha)			
			Pvt. persons	Govt. (Specify deptt.)	PRI	Any other (Pl. Specify)	Pvt. persons	Govt .(Specify deptt.)	PRI	Any other (Pl. Specify)
1	**Baswaha (2C2B1e1b)**	Wasteland/ degradedland	58.90	-	20.45	-	58.90	-	20.45	-
		Pastures								
		Orchards								

		Village Woodlot								
		Forest								
		Village Ponds/ Tanks								
		Community Buildings								
		Weekly Markets								
		Permanent markets								
		Temples/ Places of worship								
		Others (Pl. specify)								
2	**Chhiraura Bujurg (2C2B1q2b)**	(i) Wasteland/ degraded land	62.78		21.80		62.78		21.80	
		(ii) Pastures								
		(iii) Orchards								
		(iv) Village Woodlot								
		(v) Forest								
		(vi) Village Ponds/ Tanks								
		(vii) Community Buildings								
		(viii) Weekly Markets								
		(ix) Permanent markets								
		(x) Temples/ Places of worship								
		(xi) Others (Pl. specify)								
3	**Garha (2C2B1q2a)**	(i) Wasteland/ degraded land	45.94		15.95		45.94		15.95	
		(ii) Pastures								
		(iii) Orchards								
		(iv) Village Woodlot								
		(v) Forest								
		(vi) Village Ponds/ Tanks								
		(vii) Community Buildings								
		(viii) Weekly Markets								
		(ix) Permanent markets								
		(x) Temples/ Places of worship								
		(xi) Others (Pl. specify)								
4	**Vikrampura Sani (2C2B1k1a)**	(i) Wasteland/ degraded land	80.86		28.08		80.86		28.08	
		(ii) Pastures								
		(iii) Orchards								
		(iv) Village Woodlot								
		(v) Forest								
		(vi) Village Ponds/ Tanks								
		(vii) Community Buildings								

		(viii) Weekly Markets								
		(ix) Permanent markets								
		(x) Temples/ Places of worship								
		(xi) Others (Pl. specify)								
5	**Todi Fatehpur (2C2Br1a)**	(i) Wasteland/ degraded land	54.37	-	18.88		54.37	-	18.88	
		(ii) Pastures								
		(iii) Orchards								
		(iv) Village Woodlot								
		(v) Forest								
		(vi) Village Ponds/ Tanks								
		(vii) Community Buildings								
		(viii) Weekly Markets								
		(ix) Permanent markets								
		(x) Temples/ Places of worship								
		(xi) Others (Pl. specify)								
6	**Karri (2C2B1e1a)**	Wasteland/ degraded land	54.72	-	19.00	-	54.72	-	19.00	
		Pastures								
		Orchards								
		Village Woodlot								
		Forest								
		Village Ponds/ Tanks								
		Community Buildings								
		Weekly Markets								
		Permanent markets								
		Temples/ Places of worship								
		Others (Pl. specify)								
7	**Pandwaha (2C2B1q1d)**	Wasteland/ degraded land	38.02	-	13.20		38.02	-	13.20	
		Pastures								
		Orchards								
		Village Woodlot								
		Forest								
		Village Ponds/ Tanks								
		Community Buildings								
		Weekly Markets								
		Permanent markets								
		Temples/ Places of worship								
		Others (Pl. specify)								
8	**Dugara**	Wasteland/ degraded land	47.23	-	16.40		47.23	-	16.40	

	(2C2B1q2c)	Pastures								
		Orchards								
		Village Woodlot								
		Forest								
		Village Ponds/ Tanks								
		Community Buildings								
		Weekly Markets								
		Permanent markets								
		Temples/ Places of worship								
		Others (Pl. specify)								
9	**Lathawara (2C2B1q1c)**	Wasteland/ degraded land	43.85		15.23		43.85		15.23	
		Pastures								
		Orchards								
		Village Woodlot								
		Forest								
		Village Ponds/ Tanks								
		Community Buildings								
		Weekly Markets								
		Permanent markets								
		Temples/ Places of worship								
		Others (Pl. specify)								
		Total	**486.67**		**168.99**	**-**	**486.67**	**-**	**168.99**	**-**

3.2 Soil and Land Holding Pattern

Majority of the land of the project is heavy textured soil. Category wise details of farmer and their irrigated area are described in Table 3.7.

Table 3.6: Details of Soil texture in IWMP-II, Jhansi

Sl. No.	MWS Project	Area in different Soil Group (ha)			
		Light textured soil (sand, loamy sand)	Medium textured soil (Sandy loam, loam, silt loam)	Heavy textured soil (Clayey)	Others specify ……..
1	Baswaha(2C2B1e1b)	66.88	200.63	624.18	Raker, Purwa,Mar+kabar
2	Chhiraura Bujurg (2C2B1q2b)	71.27	213.80	665.17	Raker, Purwa,Mar+kabar
3	Garha (2C2B1q2a)	52.07	156.22	486.01	Raker, Purwa,Mar+kabar
4	Vikrampura Sani (2C2B1k1a)	91.82	275.45	856.97	Raker, Purwa,Mar+kabar
5	Todi Fatehpur (2C2B1r1a)	63.02	189.07	588.21	Raker, Purwa,Mar+kabar
6	Karri (2C2B1e1a)	62.24	186.72	580.90	Raker, Purwa,Mar+kabar
7	Pandwaha (2C2B1q1d)	43.15	129.45	402.75	Raker, Purwa,Mar+kabar
8	Dugara (2C2B1q2c)	53.55	160.65	499.79	Raker, Purwa, Mar+kabar

9	Lathawara (2C2B1q1c)	49.66	148.97	463.47	Raker, Purwa,Mar+kabar
	Total	**553.66**	**1660.96**	**5167.45**	

3.3 Major Crops, its Productivity and Production

Micro-watershed wise grown crops, their productivity and production under irrigated and rainfed condition is given in Table 3.8. As far as productivity of cereals is concerned, it is significantly lower than the state and national average. Micro-watershed wise cropping intensity varied from 116.58 to 152.94 per cent with 130.03 per cent for the project.

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

Name of MWS - Baswaha (2C2B1e1b)

S.No	Crop.	Area in (ha.)		Productivity (q/ha)		Production (q.)				Remarks
						Grain/Main product		Fodder/Fuel/ Other Product.		
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	
A	**Kharif**									
1	Urd	0.00	40.90	0.00	4.20	0.00	171.78	0.00	0.00	
2	Moong	0.00	61.35	0.00	4.40	0.00	269.94	0.00	0.00	
3	Arhar	0.00	81.80	0.00	5.80	0.00	474.44	0.00	818.00	
4	Sorghum	0.00	73.62	0.00	3.40	0.00	250.31	0.00	184.05	
5	Til	0.00	89.98	0.00	1.60	0.00	143.97	0.00	179.96	
	Total	**0.00**	**347.65**	**-**	**-**	**0.00**	**1310.44**	**0.00**	**1182.01**	
B	**Rabi**									
1	Wheat	18.00	163.60	22.00	12.00	396.00	1963.20	594.00	2944.80	
2	Barley	0.00	4.09	0.00	14.60	0.00	59.71	0.00	89.57	
3	Masoor	0.00	294.48	0.00	4.80	0.00	1413.50	0.00	1413.50	
4	Gram	0.00	147.24	0.00	5.20	0.00	765.65	0.00	842.21	
5	Pea	0.00	73.62	0.00	7.80	0.00	574.24	0.00	689.08	
	Total	**18.00**	**683.03**			**396.00**	**4776.30**	**594.00**	**5979.17**	
C	**Zaid**									
	Nil	-	-	-	-	-	-	-	-	
	Cultivated area	**775.54**		**Cropping Intensity**		**116.58**				

Name of MWS - Chhiraura Bujurg (2C2B1q2b)

S.No	Crop.	Area in (ha.)		Productivity (q/ha)		Production (q.)				Remarks
						Grain/Main product		Fodder/Fuel/ Other Product.		
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	
A	**Kharif**									
1	Urd	0.00	156.96	0.00	3.80	0.00	596.45	0.00	0.00	
2	Moong	0.00	34.88	0.00	4.10	0.00	143.01	0.00	0.00	
3	Arhar	0.00	87.20	0.00	5.60	0.00	488.32	0.00	872.00	
4	Sorghum	0.00	43.60	0.00	3.40	0.00	148.24	0.00	109.00	
5	Til	0.00	139.52	0.00	1.80	0.00	251.14	0.00	313.92	
	Total	**0.00**	**462.16**			**0.00**	**1627.15**	**0.00**	**1294.92**	
B	**Rabi**									
1	Wheat	21.99	244.16	19.50	9.50	1482.39	2319.52	2223.59	3479.28	
2	Barley		6.98	0.00	10.20	0.00	71.16	0.00	106.73	
3	Masoor		270.32	0.00	5.30	0.00	1432.70	0.00	1432.70	
4	Gram		156.96	0.00	5.70	0.00	894.67	0.00	984.14	
5	Pea		34.88	0.00	8.20	0.00	286.02	0.00	343.22	
	Total	21.99	713.30			**1482.39**	**5004.06**	**2223.59**	**6346.07**	
C	**Zaid**									
	Nil	-	-	-	-	-	-	-	-	
	Cultivated area	**872.00**		**Cropping Intensity**		**131.60**				

Name of MWS - Garha (2C2B1q2a)

S.No	Crop.	Area in (ha.)		Productivity q/ha		Production (q.)				Remarks
						Grain/Main product		Fodder/Fuel /Other Product.		
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	
A	**Kharif**									
1	Urd	0.00	31.90	0.00	4.30	0.00	137.17	0.00	0.00	
2	Moong	0.00	47.85	0.00	4.00	0.00	191.40	0.00	0.00	
3	Arhar	0.00	63.80	0.00	5.20	0.00	331.76	0.00	638.00	
4	Sorghum	0.00	57.42	0.00	3.80	0.00	218.20	0.00	143.55	
5	Til	0.00	70.18	0.00	1.50	0.00	105.27	0.00	131.59	
	Total	**0.00**	**271.15**			**0.00**	**983.80**	**0.00**	**913.14**	
B	**Rabi**									
1	Wheat	13.00	127.60	18.50	11.50	930.37	1467.40	1395.55	2201.10	
2	Barley		3.19	0.00	11.50	0.00	36.69	0.00	55.03	
3	Masoor		229.68	0.00	5.40	0.00	1240.27	0.00	1240.27	
4	Gram		114.84	0.00	5.60	0.00	643.10	0.00	707.41	
5	Pea		57.42	0.00	7.80	0.00	447.88	0.00	537.45	
6	Mustard		19.14	0.00	2.60	0.00	49.76	0.00	59.72	
	Total	**13.00**	**551.87**			**930.37**	**3885.10**	**1395.55**	**4800.98**	
C	**Zaid**									
	Nil	-	-	-	-	-	-	-	-	
	Cultivated area	**638.00**		**Cropping Intensity**		**126.11**				

Name of MWS - Vikrampura Sani (2C2B1k1a)

S.No	Crop.	Area in (ha.)		Productivity q/ha		Production (q.)				Remarks
						Grain/Main product		Fodder/Fuel/ Other Product.		
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	
A	**Kharif**									
1	Urd	0.00	84.23	0.00	4.60	0.00	387.44	0.00	0.00	
2	Moong	0.00	112.30	0.00	3.60	0.00	404.28	0.00	1123.00	
3	Arhar	0.00	101.07	0.00	4.30	0.00	434.60	0.00	252.68	
4	Sorghum	0.00	123.53	0.00	3.80	0.00	469.41	0.00	0.00	
5	Til	0.00	101.07	0.00	1.50	0.00	151.61	0.00	189.51	
	Total	**0.00**	**522.20**			0.00	1847.34	0.00	1565.18	
B	**Rabi**									
1	Wheat	93.00	224.60	20.00	12.30	1958.81	2762.58	2938.21	4143.87	
2	Barley		5.62	0.00	10.20	0.00	57.27	0.00	68.73	
3	Masoor		404.28	0.00	5.10	0.00	2061.83	0.00	1938.12	
4	Gram		202.14	0.00	5.70	0.00	1152.20	0.00	1083.07	
5	Pea		101.07	0.00	7.60	0.00	768.13	0.00	722.04	
6	Mustard		33.69	22.00	2.60	0.00	87.59	0.00	131.39	
7	Linseed		28.08	0.00	3.50	0.00	98.26	0.00	122.83	
	Total	**93.00**	**999.47**			1958.81	6987.87	2938.21	8210.05	
C	**Zaid**									
	Nil	-	-	-	-	-	-	-	-	
	Cultivated area	1123.00		**Cropping Intensity**		152.94				

Name of MWS - Todi Fatehpur (2C2Br1a)

S.No.	Crop.	Area in (ha.)		Productivity q/ha		Production (q.)				Remarks
						Grain/Main product		Fodder/Fuel/ Other Product.		
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	
A	**Kharif**									
1	Urd	0.00	37.75	0.00	4.80	0.00	181.20	0.00	0.00	
2	Moong	0.00	56.63	0.00	4.60	0.00	260.48	0.00	0.00	
3	Arhar	0.00	75.50	0.00	5.60	0.00	422.80	0.00	191.02	
4	Sorghum	0.00	67.95	0.00	3.80	0.00	380.52	0.00	348.81	
5	Til	0.00	83.05	0.00	1.50	0.00	315.59	0.00	344.28	
	Total	**0.00**	**320.88**			**0.00**	**1560.59**	**0.00**	**884.11**	
B	**Rabi**									
1	Wheat	15.00	151.00	18.80	10.50	1263.81	1585.50	1895.72	2378.25	
2	Barley		3.78	0.00	11.50	0.00	43.41	0.00	52.10	
3	Masoor		271.80	0.00	5.65	0.00	1535.67	0.00	853.15	
4	Gram		135.90	0.00	5.95	0.00	808.61	0.00	24.71	
5	Pea		67.95	0.00	8.15	0.00	553.79	0.00	2658.20	
6	Mustard		22.65	22.00	3.10	0.00	70.22	0.00	631.94	
7	Linseed		18.88	0.00	3.60	0.00	67.95	0.00	366.93	
	Total	**15.00**	**671.95**			**1263.81**	**4665.15**	**1895.72**	**6965.27**	
C	**Zaid**									
	Nil	-	-	-	-	-	-	-	-	
	Cultivated area	755.00		**Cropping Intensity**		125.69				

Name of MWS - Karri (2C2B1e1a)

S.No	Crop.	Area in (ha.)		Productivity q/ha		Production (q.)				Remarks
						Grain/Main product		Fodder/Fuel/ Other Product.		
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	
A	**Kharif**									
1	Urd	0.00	38.00	0.00	4.60	0.00	174.80	0.00	0.00	0.00
2	Moong	0.00	57.00	0.00	3.80	0.00	216.60	0.00	0.00	0.00
3	Arhar	0.00	76.00	0.00	4.80	0.00	364.80	0.00	182.40	182.40
4	Sorghum	0.00	68.40	0.00	3.60	0.00	246.24	0.00	225.72	225.72
5	Til	0.00	83.60	0.00	1.95	0.00	163.02	0.00	177.84	177.84
	Total	0.00	323.00			0.00	1165.46	0.00	585.96	585.96
B	**Rabi**									
1	Wheat	20.00	152.00	19.00	11.20	380.00	1702.40	570.00	2553.60	3123.60
2	Barley		3.80	0.00	9.60	0.00	36.48	0.00	43.78	43.78
3	Masoor		273.60	0.00	5.40	0.00	1477.44	0.00	820.80	820.80
4	Gram		136.80	0.00	5.80	0.00	793.44	0.00	24.24	24.24
5	Pea		68.40	0.00	8.20	0.00	560.88	0.00	2692.22	2692.22
6	Linseed		19.00	0.00	3.80	0.00	72.20	0.00	779.76	779.76
	Total	**20.00**	**653.60**			**380.00**	**4642.84**	**570.00**	**6914.40**	7484.40
C	**Zaid**									
	Nil	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Cultivated area	760.00		**Cropping Intensity**		131.79				

Name of MWS - Pandwaha (2C2B1q1d)

S.No	Crop	Area in (ha.)	Productivity q/ha	Production (q.)	Remarks

						Grain/Main product		Fodder/Fuel/ Other Product.		
		Irrigated	**Rainfed**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**	**Irrigated**	**Rainfed**	
A	**Kharif**									
1	Urd	0.00	26.40	0.00	3.80	0.00	100.32	0.00	0.00	
2	Moong	0.00	39.60	0.00	3.20	0.00	126.72	0.00	0.00	
3	Arhar	0.00	52.80	0.00	4.80	0.00	253.44	0.00	126.72	
4	Sorghum	0.00	47.52	0.00	2.80	0.00	133.06	0.00	121.97	
5	Til	0.00	58.08	0.00	1.40	0.00	81.31	0.00	88.70	
	Total	**0.00**	**224.40**			**0.00**	**694.85**	**0.00**	**337.39**	
B	**Rabi**									
1	Wheat	8.08	105.60	16.50	8.50	759.46	897.60	1139.19	1346.40	
2	Barley		2.64	0.00	9.50	0.00	25.08	0.00	30.10	
3	Masoor		190.08	0.00	5.40	0.00	1026.43	0.00	570.24	
4	Gram		95.04	0.00	5.60	0.00	532.22	0.00	16.26	
5	Pea		47.52	0.00	6.80	0.00	323.14	0.00	1551.05	
6	Mustard		15.84	22.00	3.60	0.00	57.02	0.00	513.22	
	Total	**8.08**	**456.72**			**759.46**	**2861.50**	**1139.19**	**4027.27**	
C	**Zaid**									
	Nil									
	Cultivated area	528.00		**Cropping Intensity**		125.94				

Name of MWS- Dugara (2C2B1q2c)

S.No	Crop.	Area in (ha.)		Productivity q/ha		Production (q.)				Remarks
						Grain/Main product		Fodder/Fuel/ Other Product.		
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	
A	**Kharif**									
1	Urd	0.00	32.80	0.00	3.80	0.00	124.64	0.00	0.00	
2	Moong	0.00	49.20	0.00	14.60	0.00	718.32	0.00	0.00	
3	Arhar	0.00	65.60	0.00	4.80	0.00	314.88	0.00	157.44	
4	Sorghum	0.00	59.04	0.00	5.20	0.00	307.01	0.00	281.42	
5	Til	0.00	72.16	0.00	7.80	0.00	562.85	0.00	614.02	
	Total	**0.00**	**278.80**			**0.00**	**2027.70**	**0.00**	**1052.88**	
B	**Rabi**									
1	Wheat	16.00	131.20	22.00	12.00	1256.59	1574.40	1884.88	2361.60	
2	Masoor		236.16	0.00	14.60	0.00	3447.94	0.00	4137.52	
3	Gram		118.08	0.00	4.80	0.00	566.78	0.00	629.76	
4	Pea		59.04	0.00	5.20	0.00	307.01	0.00	1350.84	
5	Mustard		19.68	0.00	3.40	0.00	66.91	0.00	481.77	
6	Linseed		16.40	22.00	3.50	0.00	57.40	0.00	309.96	
	Total	**16.00**	**580.56**			**1256.59**	**6020.44**	**1884.88**	**9271.44**	
C	**Zaid**									
	Nil									
	Cultivated area	656.00		**Cropping Intensity**		128.05				

Name of MWS - Lathawara (2C2B1q1c)

S.No	Crop.	Area in (ha.)		Productivity q/ha		Production (q.)				Remarks
						Grain/Main product		Fodder/Fuel/Other Product.		
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	
A	**Kharif**									
1	Urd	0.00	30.45	0.00	3.80	0.00	115.71	0.00	0.00	
2	Moong	0.00	45.68	0.00	14.60	0.00	666.86	0.00	0.00	
3	Arhar	0.00	60.90	0.00	4.80	0.00	292.32	0.00	146.16	
4	Sorghum	0.00	54.81	0.00	5.20	0.00	285.01	0.00	261.26	
5	Til	0.00	66.99	0.00	7.80	0.00	522.52	0.00	570.02	
	Total	**0.00**	**258.83**			**0.00**	**1882.42**	**0.00**	**977.45**	
B	**Rabi**									
1	Wheat	14.00	121.80	22.00	12.00	0.00	1461.60	0.00	2192.40	
2	Masoor		219.24	0.00	14.60	0.00	3200.90	0.00	3841.08	
3	Gram		109.62	0.00	4.80	0.00	526.18	0.00	584.64	
4	Pea		54.81	0.00	5.20	0.00	285.01	0.00	1254.05	
5	Mustard		18.27	0.00	3.40	0.00	62.12	0.00	447.25	
6	Linseed		15.23	22.00	3.50	0.00	53.29	0.00	287.75	
	Total	**14.00**	**538.97**			**0.00**	**5589.10**	**0.00**	**8607.18**	
C	**Zaid**									
	Nil	-	-	-	-	-	-	-	-	
	Cultivated area	609.00		**Cropping Intensity**		131.57				

It was observed that the productivity of different crops is less than the average (last 10 years- *Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation*) productivity of the state of Uttar Pradesh.

Table 3.8: Food, fodder and fuel production in the project area (IWMP-II, District- Jhansi)

Summary	**Unit**	**Production (q)**	**Production (q)**	**Production (q)**	**Remarks**
Food Production (Qs.)	Quintal	**Kharif**	**Rabi**	**Total**	
Cereals	Quintal	2403.18	14999.50	17402.68	-
Pulses	Quintal	7929.86	27069.68	34999.54	-
Oilseed	Quintal	2615.08	2057.27	4672.35	-
Total Food production	Quintal	**12948.12**	**44126.45**	**57074.57**	**-**
Fodder production (Qs.)					
Dry Foder	Quintal	12611.40	46792.27	59403.67	-
Green Fodder	Quintal	0			
Fuel Production					
Arhar+Mustard+Til Plants	Quintal	3036.19	13582.25	16618.44	-
Over all Cropping Intensity	**130.03**				

3.4 Agroforestry and Horticulture

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

Table 3.9: Horticulture Status

S. N.	Name of micro watershed with code	Name of village	Name of Important horticultural crop						
			Whole Fruit Crop				*Scattered Fruit Crop		
			Name	Area ha.	Productivity (q/ha)	Production (q)	No.	Productivity q/No.	Production (q)
1	Baswaha (2C2B1e1b)	Baswaha Sujuwa Dhawari	Nil	Nil	Nil	Nil	09	2.0	18
2	Chhiraura Bujurg (2C2B1q2b)	Chhiraura Bujurg Garha Jauniya Pandwaha Brasingpura	Nil	Nil	Nil	Nil	31	3.0	93
3	Garha (2C2B1q2a)	Garha Turk lahchura Brasingpura	Nil	Nil	Nil	Nil	16	2.0	32
4	Vikrampura Sani (2C2B1k1a)	Vikrampura Sani Turk Lahchura Garha Jauniya Chhiraura Bujurg Kutora Mau Kachhiau	Nil	Nil	Nil	Nil	37	3.0	111
5	Todi Fatehpur (2C2B1r1a)	Todi Fatehpur Dhana Bilgaon Etwa Ataniya	Nil	Nil	Nil	Nil	19	2.5	47.5
6	Karri (2C2B1e1a)	Karri Baswaha Ataniya Dhana Bilgaon Todi Fateh pur	Nil	Nil	Nil	Nil	13	3.0	39
7	Pandwaha (2C2B1q1d)	Pandwaha Dugara Etwa Chhiraura Bujurg	Nil	Nil	Nil	Nil	17	3.0	51
8	Dugara (2C2B1q2c)	Dugara Etwa	Nil	Nil	Nil	Nil	15	3.0	45

		Pandwaha Maheba							
9	Lathawara (2C2B1q1c)	Latawara Dabar Rawatpura Baswaha	Nil	Nil	Nil	Nil	20	2.5	50
	Total	-	-	-	-	-	**177**	**24**	**486.5**
	(*Scatterred fruit plant of Papaya, Kathal, Ber, Aonla etc)								

3.5 Livestock and Fisheries

In the name of cattle mainly desi cow are found in the project which productivity is significantly lower than the average productivity of the state. The Details of livestock and its productivity are available in Table 3.10 and 3.11, respectively.

Table 3.10: Livestock Population in IWMP- II, Jhansi

(All Figures are in No.)

S. N	Name of Micro watershed with code	Name of Village	Cow		Buffalow		Ox/Bull	Goat	Sheep	Piggeries	Poultry		
			Desi	Crossed	Desi	Murrah					Broiler	Layers	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Baswaha (GP-Sujuwa)	Baswaha	142	22	106	36	76	234	19	-	-	18	653
	(2C2B1e1b)	Sujuwa	25	2	19	6	14	41	3	-	-	3	113
		Dhawari	19	2	14	4	10	32	3	-	-	2	86
2	Chhiraura Bujurg	Chhiraura Bujurg	70	12	53	8	38	116	9	-	-	9	315
	(2C2B1q2b)	Garha	40	6	30	7	22	67	5	-	-	5	182
		Jauniya	21	8	16	6	11	35	3	-	-	3	103
		Pandwaha	31	10	23	8	17	51	4	-	-	4	148
		Brasingpura	35	8	27	7	19	59	5	-	-	4	164
3	Garha	Garha	85	11	64	15	46	141	11	-	-	11	384
	(2C2B1q2a)	Turk lahchura	37	4	28	5	20	61	5	-	-	5	165
		Brasingpura	22	2	17	4	12	37	3	-	-	3	100
4	Vikrampura Sani	Vikrampura Sani	53	4	39	8	28	87	7	-	-	7	233
	(2C2B1k1a)	Turk Lahchura	43	5	33	6	23	72	6	-	-	5	193
		Garha	16	2	12	2	9	26	2	-	-	2	71
		Jauniya	9	0	7	0	5	15	1	-	-	1	38
		Chhiraura Bujurg	27	8	21	8	15	45	4	-	-	3	131
		Kutora	66	8	50	18	36	110	9	-	-	8	305
		Mau Kachhiau	40	6	30	6	22	66	5	-	-	5	180
5	Todi Fatehpur	Todi Fatehpur	110	24	83	22	59	182	15	-	-	14	509
	(2C2Br1a)	Dhana Bilgaon	15	3	11	8	8	25	2	-	-	2	74
		Etwa	47	4	36	12	26	78	6	-	-	6	215
		Ataniya	3	0	2	0	1	4	0	-	-	0	10
6	Karri	Karri	90	12	67	18	48	149	12	-	-	11	407
	(2C2B1e1a)	Baswaha	43	6	32	8	23	72	6	-	-	5	195
		Ataniya	15	5	11	4	8	24	2	-	-	2	71

		Dhana Bilgaon	18	6	13	3	10	29	2	-	-	2	83
		Todi Fateh pur	7	2	6	0	4	12	1	-	-	1	33
7	Pandwaha	Pandwaha	84		63		45	139		-	-	10	341
	(2C2B1q1d)	Dugara	12	4	9	5	6	20	2	-	-	1	59
		Etwa	17	6	13	8	9	28	2	-	-	2	85
		Chhiraura Bujurg	7	3	5	0	4	12	1	-	-	1	33
8	Dugara	Dugara	112	16	84	16	60	185	15	-	-	14	502
	(2C2B1q2c)	Etwa	33	6	25	5	18	54	5	-	-	4	150
		Pandwaha	1	0	1	0	1	2	0	-	-	0	5
		Maheba	3	0	2	0	2	5	0	-	-	0	12
9	Lathawara	Latawara	43	4	32	8	23	71	6	-	-	5	192
	(2C2B1q1c)	Dabar	39	7	29	7	21	64	6	-	-	5	178
		Rawatpura	54	8	40	8	29	89	8	-	-	7	243
		Baswaha	3	0	2	0	1	5	0	-	-	0	11
	Total		**1538**	**252**	**1153**	**286**	**829**	**2546**	**195**	-	-	**191**	**6990**

Table 3.11: Productivity of livestock in IWMP-II, Jhansi

SN	Name of Micro watershed with code	Name of Village	Milk Production (Liter Per day)				Goatry	Poultry		Piggeries weight Kg/Pig
			Cows		Buffalos		Weight in Kg/goat	Broiler Weight in Kg/ Brl	Layers No. of eggs/day	
			Desi	Crossed	Desi	Murrah				
1	**Baswaha**	Baswaha	1.60	-	2.20	3.20	25	-	55	-
	(2C2B1e1b)	Sujuwa	1.80	2.70	2.40	2.90	28	-	-	-

		Dhawari	1.40	-	2.10	2.80	27	-	65	-
2	**Chhiraura Bujurg (2C2B1q2b)**	Chhiraura Bujurg	1.20	2.80	2.40	3.40	22	-	45	-
		Garha	1.45	-	2.60	3.10	25	-	80	-
		Jauniya	-	-	2.70	-	-	-	-	-
		Pandwaha	1.50	-	2.80	3.20	24	-	40	-
		Brasingpura	1.45			3.10	28	-	-	-
3	**Garha (2C2B1q2a)**	Garha	1.35	2.65	2.50	-	25	-	70	-
		Turk lahchura	1.50	-	2.55	3.15	25	-	40	-
		Brasingpura	1.45	-	2.45	3.30	27	-	85	-
4	**Vikrampura Sani (2C2B1k1a)**	Vikrampura Sani,	1.70	2.75	2.60	3.30	26	-	35	-
		Turk Lahchura	1.65	-	2.55	3.25	24	-	55	-
		Garha	1.25	2.7	2.50	3.10	25	-	30	-
		Jauniya	-	-	-	-	-	-	-	-
		Chhiraura Bujurg	-	-	-	-	-	-	-	-
		Kutora	-	-	-	-	-	-	-	-
		Mau Kachhiau	-	-	-	-	-	-	-	-
5	**Todi Fatehpur (2C2B1q2b)**	Todi Fatehpur	1.50	2.70	2.50	3.25	27	-	40	-
		Dhana Bilgaon	1.45	2.65	2.45	3.35	26	-	0	-
		Etwa	1.60	-	2.55	3.30	24	-	10	-
		Ataniya	0.90	-	2.60	3.20	25	-	20	-
6	**Karri (2C2B1e1a)**	Karri	1.80	-	2.45	-	25	-	35	-
		Baswaha	1.70	-	2.50	3.15	24	-	15	-
		Ataniya	1.65	-	2.60	-	25	-	30	-
		Dhana Bilgaon	1.60	-	2.45	-	26	-	10	-
		Todi Fateh pur	1.75	-	2.40	2.90	25	-	20	-
7	**Pandwaha (2C2B1q1d)**	Pandwaha	1.65	-	2.55	3.10	27	-	-	-
		Dugara	1.70	2.75	2.60	2.90	25	-	-	-
		Etwa	1.50	-	2.50	-	25	-	-	-
		Chhiraura Bujurg	1.55	-	2.45	-	24	-	-	-
			160	-	2.50	-	26	-	-	-
8	**Dugara (2C2B1q2c)**	Dugara	1.65	-	2.55	3.10	27	-	-	-
		Etwa	1.70	2.75	2.60	2.90	25	-	-	-
		Pandwaha	1.50	-	2.50	-	25	-	-	-
		Maheba	1.55	-	2.45	-	24	-	-	-
			160	-	2.50	-	26	-	-	-
9	**Lathawara (2C2B1q1c)**	Latawara	1.65	-	2.55	3.10	27	-	-	-
		Dabar	1.70	2.75	2.60	2.90	25	-	-	-
		Rawatpura	1.50	-	2.50	-	25	-	-	-

		Baswaha	1.55 160	- -	2.45 2.50	- -	24 26	- -	- -	- -

3.6 Forest and Grassland

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

Table 3.12: Forest, vegetative cover/grassland in IWMP-II, Jhansi

Sr. No.	Name & Code of Micro watershed	Name of Village	Forest (Area ha)			Grassland (Area ha)		Other vegetative cover (Area ha)	
			Reserve	Gram Samaj (Natural /Planted)	Total	Gram Samaj	Private	Gram Samaj	Private
1	2	3	4	5	6	7		8	9
1	**Baswaha (2C2B1e1b)**	Baswaha Sujuwa Dhawari	-	8.75	8.75	-	-	-	4.60
2	**Chhiraura Bujurg (2C2B1q2b)**	Chhiraura Bujurg Garha Jauniya Pandwaha Brasingpura	-	10.25	10.25	-	-	-	5.30
3	**Garha (2C2B1q2a)**	Garha Turk lahchura Brasingpura	-	6.20	6.20	-	-	-	11.76
4	**Vikrampura Sani (2C2B1k1a)**	Vikrampura Sani, Turk Lahchura Garha Jauniya Chhiraura Bujurg Kutora Mau Kachhiau	-	12.80	12.80	-	-	-	9.80
5	**Todi Fatehpur (2C2B1q2b)**	Todi Fatehpur Dhana Bilgaon Etwa Ataniya	-	8.20	8.20	-	-	-	4.60
6	**Karri (2C2B1e1a)**	Karri Baswaha Ataniya	-	20.20	20.20	-	-	-	4.80

		Dhana Bilgaon Todi Fateh pur							
7	**Pandwaha (2C2B1q1d)**	Pandwaha Dugara Etwa Chhiraura Bujurg	-	18.90	18.90	-	-	-	3.20
8	**Dugara (2C2B1q2c)**	Dugara Etwa Pandwaha Maheba	-	25.60	25.60	-	-	-	2.65
9	**Lathawara (2C2B1q1c)**	Latawara Dabar Rawatpura Baswaha	-	28.90	28.90	-	-	-	4.60
	Total for Project IWMP-II			**139.8**	**139.8**				**51.31**

3.7 Livelihood Status

Assestless/landless people earn their livelihood mainly from labour and *batai.* They were earning about Rs. 3500/per month. It is expected that their income will enhance due to watershed management as it will generate sustained employment opportunity. Intervention based on piggeries, fisheries, black smithy and carpentery was not in practice. Livelihood status of landless, farmers and interventions based livelihood status are shown in Table 3.13, 3.14 and 3.15, respectively.

Table 3.13: Livelihood Status of Landless People

Sr. No.	Name & Code of micro watershed	Name of Village	Name of Livelihood Activity	No. of house hold engaged					Pre project Average Income/ Year	Desired Activities	Expected Income from desired activities Rs/Year	Remarks
				Sc	St	Other	Women	Total				
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
1	**Baswaha (2C2B1e1b)**	Baswaha Sujuwa Dhawari	Labour/ Batai	06	-	09	01	16	38978	Goatary Poultry	96756	With investment work i.e

												extra income in SHG
2	**Chhiraura Bujurg (2C2B1q2b)**	Chhiraura Bujurg Garha Jauniya Pandwaha Brasingpura	Labour/ Batai	04	-	0	1	06	38500.00	Goatary Poultry Rope making	87980	With investment work i.e extra income in SHG
3	**Garha (2C2B1q2a)**	Garha Turk lahchura Brasingpura	Labour/ Batai Labour/ Batai	1	-	2	1	04	36780	Goatary Poultry	94500	With investment work i.e extra income in SHG
4	**Vikrampura Sani (2C2B1k1a)**	Vikrampura Sani, Turk Lahchura Garha Jauniya Chhiraura Bujurg Kutora Mau Kachhiau	Labour/ Batai Labour/ Batai	3	-	3	2	08	36570	Goatary Poultry	90780	With investment work i.e extra income in SHG
5	**Todi Fatehpur (2C2B1q2b)**	Todi Fatehpur Dhana Bilgaon Etwa Ataniya	Labour/ Batai Labour/ Batai	1	-	2	2	05	37600	Goatary Poultry	95600	With investment work i.e extra income in SHG
6	**Karri (2C2B1e1a)**	Karri Baswaha Ataniya Dhana Bilgaon Todi Fateh pur	Labour/ Batai Labour/ Batai	1	-	2	2	5	38700	Goatary Poultry Rope making	96700	With investment work i.e extra income in SHG

7	**Pandwaha (2C2B1q1d)**	Pandwaha Dugara Etwa Chhiraura Bujurg	Labour/ Batai Labour/ Batai	-	-	2	2	4	38780	Goatary Poultry	96800	With investment work i.e extra income in SHG
8	**Dugara (2C2B1q2c)**	Dugara Etwa Pandwaha Maheba	Labour/ Batai Labour/ Batai	2	-	2	1	5	38600	Goatary Poultry Rope making	86500	With investment work i.e extra income in SHG
9	**Lathawara (2C2B1q1c)**	Latawara Dabar Rawatpura Baswaha	Labour/ Batai	1	-	2	1	4	40500	Goatary Poultry	98000	
	Total for the Project IWMP-II			**14**	**-**	**21**	**12**	**47**	**Av.38335**		**Av. 93735**	

Table 3.14: Details of Livelihood Status of the Farmers

Sr. No.	Name & Code of micro watershed	Name of Village	Name of Livelihood Activity	No. of House hold engaged					Pre project Average Income	Desired Activities	Expected Income from desired activities	Remarks
				Sc	St	Other	Women	Total				
1	**Baswaha (2C2B1e1b)**	Baswaha Sujuwa Dhawari	Agriculture + A.H., Labour, Batai	55	-	390	25	470	38000-42500	Improvement of agri.prod. Improvement of animal husbandry NRM, Livelihood activities	100625	-
2	**Chhiraura Bujurg (2C2B1q2b)**	Chhiraura Bujurg Garha Jauniya Pandwaha Brasingpura	Agriculture + A.H., Labour, Batai	68	-	390	32	490	40000-46000	Improvement of agri.prod. Improvement of animal husbandry NRM activities Livelihood	107500	-
3	**Garha (2C2B1q2a)**	Garha Turk lahchura Brasingpura	Agriculture + A.H. ., Labour, Batai	48	-	291	22	361	40600-46800	Improvement of agri.prod. Improvement of animal husbandry NRM activities	109250	-
4	**Vikrampura Sani (2C2B1k1a)**	Vikrampura Sani Turk Lahchura Garha Jauniya Chhiraura Bujurg Kutora	Agriculture + A.H. ., Labour, Batai	112	-	471	50	633	45600-48800	Improvement of agri.prod. Improvement of animal husbandry NRM activities Livelihood	118000	-

		Mau Kachhiau										
5	**Todi Fatehpur (2C2B1r1a)**	Todi Fatehpur Dhana Bilgaon Etwa Ataniya	Agriculture + A.H. ., Labour, Batai	86	-	308	19	415	45600-48700	Improvement of agri.prod. Improvement of animal husbandry NRM activities Livelihood	117875	
6	**Karri (2C2B1e1a)**	Karri Baswaha Ataniya Dhana Bilgaon Todi Fateh pur	Agriculture + A.H. ., Labour, Batai	75	-	183	22	436	35000-45000	Improvement of agri.prod. Improvement of animal husbandry NRM activities Livelihood	100000	-
7	**Pandwaha (2C2B1q1d)**	Pandwaha Dugara Etwa Chhiraura Bujurg	Agriculture + A.H. ., Labour, Batai	78	-	191	32	301	35000-45000	Improvement of agri.prod. Improvement of animal husbandry NRM activities Livelihood	118000	-
8	**Dugara (2C2B1q2c)**	Dugara Etwa Pandwaha Maheba	Agriculture + A.H. ., Labour, Batai	112	-	221	38	371	35000-45000	Improvement of agri.prod. Improvement of animal husbandry NRM activities Livelihood	107500	-
9	**Lathawara (2C2B1q1c)**	Latawara Dabar Rawatpura Baswaha	Agriculture + A.H. ., Labour, Batai	92	-	200	48	340	38000-48000	Improvement of agri.prod. Improvement of animal husbandry	118000	-

										NRM activities Livelihood		
	Grand Total			**726**		**2645**	**288**	**3817**	**44300**		110750	

Table 3.15: Present Livelihood Status (No. of households/Income per year) in IWMP-II, Moth, Jhansi

'Income in Rs

Sr. No	Name of MWS with code	Name of village	Activities															
			Dairy		Poultry		Goatry		Black Smithy		Carpentry		Stitching/ knitting		Wages		Agriculture	
			No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income
1	**Baswaha (2C2B1e1b)**	Baswaha Sujuwa Dhawari	470	8680	6	16700	76	23400	-	-	-	-	-	-	55	10000	470	31200
2	**Chhiraura Bujurg (2C2B1q2b)**	Chhiraura Bujurg Garha Jauniya Pandwaha Brasingpura	490	8500	6	18000	79	25400	-	-	-	-	-	-	57	12000	490	28500
3	**Garha (2C2B1q2a)**	Garha Turk lahchura Brasingpura	361	10500	4	17500	58	26700	-	-	-	-	-	-	42	12000	361	29800
4	**Vikrampura Sani (2C2B1k1a)**	Vikrampura Sani Turk Lahchura Garha Jauniya Chhiraura Bujurg Kutora Mau Kachhiau	633	8800	8	16500	103	28600	-	-	-	-	-	-	74	10000	633	32400
5	**Todi Fatehpur (2C2B1r1a)**	Todi Fatehpur Dhana Bilgaon Etwa Ataniya	415	9460	5	15600	67	**29800**	-	-	-	-	-	-	48	**10000**	415	**33450**
6	**Karri (2C2B1e1a)**	Karri Baswaha Ataniya Dhana	436	8900	5	14500	70	30500	-	-	-	-	-	-	51	12000	436	32500

		Bilgaon Todi Fateh pur																
7	**Pandwaha (2C2B1q1d)**	Pandwaha Dugara Etwa Chhiraura Bujurg	301	7800	4	16800	49	26500	-	-	-	-	-	-	35	12000	301	29800
8	**Dugara (2C2B1q2c)**	Dugara Etwa Pandwaha Maheba	371	7850	5	16500	60	26700							43	15000	371	30800
9	**Lathawara (2C2B1q1c)**	Latawara Dabar Rawatpura Baswaha	340	7680	4	17600	55	28700	-	-	-	-	-	-	40	12000	340	30700
	Total		**3817**	**8685.56**	**47**	**16633.33**	**47**	**27366.67**							**47**	**11666.67**	**3817**	**31016.67**

3.8 Hydrology, Water resources and Soil and moisture Conservation

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

Table 3.16: Ground Water Status in IWMP-II,Moth, Jhansi

S. No.	Name & Code of Micro watershed	Name of Village	Depth of Ground Water Table (Below Ground level) in Meter		No. of Observation well	Remarks
			Before Monsoon	After Monsoon		
1	**Baswaha (GP-Sujuwa)**	Baswaha	Avrg.13.10	Avrg.10.20	08	-

	(2C2B1e1b)	Sujuwa Dhawari				
2	**Chhiraura Bujurg (2C2B1q2b)**	Chhiraura Bujurg Garha Jauniya Pandwaha Brasingpura	Avrg.12.50	Avrg.11.00	11	-
3	**Garha(2C2B1q2a)**	Garha Turk lahchura Brasingpura	Avrg.14.00	Avrg.12.50	06	-
4	**Vikrampura Sani(2C2B1k1a)**	Vikrampura Sani, Turk Lahchura Garha Jauniya Chhiraura Bujurg Kutora Mau Kachhiau	Avrg.14.75	Avrg.12.55	014	-
5	**Todi Fatehpur (2C2B1q2b)**	Todi Fatehpur Dhana Bilgaon Etwa Ataniya	Avrg.14.20	Avrg.11.20	09	-
6	**Karri(2C2B1e1a)**	Karri Baswaha Ataniya Dhana Bilgaon Todi Fatehpur	Avrg.13.55	Avrg.11.15	012	-
7	**Pandwaha(2C2B1q1d)**	Pandwaha Dugara Etwa Chhiraura Bujurg	Avrg.14.65	Avrg.11.95	010	-
8	**Dugara(2C2B1q2c)**	Dugara Etwa Pandwaha Maheba	Avrg.14.25	Avrg.11.35	08	-
9	**Lathawara (2C2B1q1c)**	Latawara Dabar Rawatpura Baswaha	Avrg.14.10	Avrg.11.05	06	-

Depth of water table in open shallow dug wells in the project area was about 12.50 to 14.75 m during pre monsoon, however it was in the range of 10.20 -12.55 m during post monsoon season.

Table 3.17: Irrigation Status in IWMP-II, Moth, Jhansi

S.No.	Name & Micro Watershed with code	Name of Village	Gross Cultivated Area				Net Cultivated Area	Gross Irrigated Area				Net Irrigated Area	Rainfed Area
			Kharif	Rabi	Zaid	Total		Kharif	Rabi	Zaid	Total		
1	**Baswaha (2C2B1e1b)**	Baswaha Sujuwa Dhawari	347.65	683.03	-	1030.68	818.00	18.00	18.00	-	36.00	18.00	741.10
2	**Chhiraura Bujurg (2C2B1q2b)**	Chhiraura Bujurg, Garha Jauniya Pandwaha Brasingpura	462.16	713.30	-	1175.46	872.00	22.00	22.00	-	44.00	21.99	777.04
3	**Garha (2C2B1q2a)**	Garha Turk lahchura Brasingpura	271.15	551.87	-	823.02	638.00	13.00	13.00	-	26.00	13.00	566.98
4	**Vikrampura Sani (2C2B1k1a)**	Vikrampura Sani, Turk Lahchura Garha Jauniya Chhiraura Bujurg Kutora Mau Kachhiau	522.20	999.47	-	1521.67	1123.00	93.00	93.00	-	186.00	93.00	921.03
5	**Todi Fatehpur (2C2B1q2b)**	Todi Fatehpur Dhana Bilgaon Etwa Ataniya	320.88	671.95	-	992.83	755.00	15.00	15.00	-	30.00	15.00	666.76
6	**Karri (2C2B1e1a)**	Karri Baswaha Ataniya Dhana Bilgaon Todi Fateh pur	323.00	653.60	-	976.60	760.00	20.00	20.00	-	40.00	20.00	675.27
7	**Pandwaha (2C2B1q1d)**	Pandwaha Dugara	224.40	456.72	-	681.12	528.00	8.0	8.08	-	16.08	8.08	476.81

		Etwa Chhiraura Bujurg											
8	**Dugara (2C2B1q2c)**	Dugara Etwa Pandwaha Maheba	278.80	580.56	-	859.36	656.00	8.00	16.00	-	24.00	16.00	582.78
9	**Lathawara (2C2B1q1c)**	Lathawara Dabar Rawatpura Baswaha	258.83	538.97	-	797.80	609.00	6.00	14.00	-	20.00	14.00	535.93
	Total		**3009.07**	**5849.47**	**-**	**8858.54**	**6759.00**	**203.00**	**219.08**	**-**	**422.08**	**219.07**	**5943.70**

Table 3.18: Source wise Area Irrigated in IWMP-II, Moth, Jhansi (area in ha)

Sr. No.	Name &Micro watershed with code	Name of Village	Canal Area	State Tube wells		Tanks		Open well		Bore wells		Lift irrigation		Others (Specify)		Total Irrigated Area	Rem.
				No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area		
1	**Baswaha (GP-Sujuwa) (2C2B1e1b)**	Baswaha Sujuwa Dhawari	-	-	-	-	-	09	18.01	-	-	-	-	-	-	18.01	-
2	**Chhiraura Bujurg (2C2B1q2b)**	Chhiraura Bujurg Garha Jauniya Pandwaha Brasingpura	-	-	-	-	-	12	21.99	-	-	-	-	-	-	22.00	-
3	**Garha (2C2B1q2a)**	Garha Turk lahchura Brasingpura	-	-	-	-	-	06	13.00	-	-	-	-	-	-	13.00	-
4	**Vikrampura Sani (2C2B1k1a)**	Vikrampura Sani Turk Lahchura Garha Jauniya Chhiraura Bujurg Kutora Mau Kachhiau	-	-	-	-	-	18	93.00	-	-	-	-	-	-	93.00	-

5	**Todi Fatehpur (2C2B1q2b)**	Todi Fatehpur Dhana Bilgaon Etwa Ataniya	-	-	-	-	-	7	15.00	-	-	-	-	-	-	15.00	-
6	**Karri (2C2B1e1a)**	Karri Baswaha Ataniya Dhana Bilgaon Todi Fateh pur	-	-	-	-	-	08	20.00	-	-	-	-	-	-	20.00	-
7	**Pandwaha (2C2B1q1d)**	Pandwaha Dugara Etwa Chhiraura Bujurg	-	-	-	-	-	05	8.08	-	-	-	-	-	-	8.08	-
8	**Dugara (2C2B1q2c)**	Dugara Etwa Pandwaha Maheba	-	-	-	-	-	06	16.00	-	-	-	-	-	-	16.00	-
	Lathawara (2C2B1q1c)	Latawara Dabar Rawatpura Baswaha						07	14.00	-	-	-	-	-	-	14.00	-
	Total							**78**	**219.08**	**-**	**-**	**-**	**-**	**-**	**-**	**219.09**	**-**

CHAPTER – 4

INSTITUTIONAL BUILDING AND PROJECT MANAGEMENT

4.1 Project Implementing Agency

The Project Implementing Agency (PIA) is Soil Conservation Officer, Department of Land Development and Water Resources, IWMP-II, Moth, Jhansi, Uttar Pradesh. The PIA was given responsibility to develop the micro-watershed by District Watershed Development Unit (DWDU) and State Level Nodal Agency (SLNA) considering its vast experiences in handling land and water management issues in the region. The PIA has well experienced trained and sufficient staff to handle the watershed management programme efficiently. Most of the staff of PIA has exposure of several watershed projects. In addition the PIA has access for technical backstopping from the SAUs, ICAR viz. C.S.A. University of Ag .& Tech., Kanpur, N.D. University of Ag. & Tech., Kumarganj, Faizabad, IGFRI, NRCAF, and KVK located at Jhansi. Details of PIA are presented in subsequent section.

Table 4.1: Details of Project Implementing Agency (PIA), IWMP-II, Moth, Jhansi

S. No.	Particulars of PIA	
1.	Date of selection of PIA	16-03-2010
2.	Type of organization	State Govt. Agency
3.	Name of organization	Department of Land Development and Water Resources, Uttar Pradesh
4.	Designation & Address	Bhoomi Sanrakshan Adhikari, IWMP-II Moth, District -Jhansi
5.	Telephone	BSA- 09450067749, JE - 09415179949
6.	Fax	0510 2444776
7.	E-mail	Bsaldwrjh-up@nic.in

Table 4.2: Details of Staff at PIA, IWMP-II, Moth, Jhansi

S. NO.	Designation	Name	M/F	Qualification	Field of Experience & Period	Remarks
1	B.S.A.	Shri Radhey Ram	M	Diploma in Ag. Eng.	28	-
2	Junior Engineer	Shri R. K. Singh	M	Diploma in Civil	26	-
3	Accountant	Shri Baburam Verma	M	B.com	25	-
4	Draftman	Shri Suresh Singh	M	B.A	26	-
5	Tracer	Shri Rajpal Singh	M	Intermediate	26	
6	Ziledar	Shri Ramakant Pandey	M	B.A	25	-
7	Munsi	Shri Uday Veer	M	B.A.	25	-
8	Junior Clerk	Shri Dharmendra Rajoot	M	Intemediate	-	-
9	A.S.C.I.	Shri Shyam Manohar Pandey	M	B.Sc(Ag)	20	-
10	A.S.C.I.	Shri NarSingh Patel	M	M.Sc (Ag)	-	-
11	A.S.C.I.	Shri Rahul Chaudhari	M	B.Sc (Ag)	-	-
12	Sheenchpal Supervisor	Shri Prakash Narayan Yadav	M	Intermediate	20	-
13	Sheenchpal	Shri Rajesh Babu Sachan	M	Intermediate	22	-
14	Sheenchpal	Shri Jiya Lal	M	Intermediate	20	-
15	Sheenchpal	Shri Rajendra Singh	M	M.Com	7	-
16	Sheenchpal Supervisor	Shri Anil Kumar Chaturvedi	M	Intermediate	20	-
17	Sheenchpal	Shri Shiv Lal Pal	M	Intermediate	17	-
18	Sheenchpal	Shri Man Singh Yadav	M	Intemediate	20	-
19	Sheenchpal	Shri Ram Aasre Yadav	M	High School	22	-
20	Sheenchpal	Shri Pradeep Kumar	M	Intemediate	18	
21	Sheenchpal	Shri Lal Ji Pal	M	Intemediate	23	-
22	Fourth Class	Shri Dhani Ram	M	8^{th}	28	-
23	Fourth Class	Shri Munna Yadav	M	8^{th}	-	-

Table 4.3: Details of Watershed Development Team (WDT) in the project area
Project- IWMP II, Moth-Jhansi

S. N.	Name of WDT member	M/F#	Age	Qualification / Experience	Description of professional training	Role/ Function	Date of appointment of WDT member
1	**Shri Kuldeep Singh Rajpoot**	**M**	**27**	**M.Sc. (Ag), MBA (Rural Tech. & Management)**	**MIS, Baseline surveys of water-shed, GPS operating and DPR Expert**	**Watershed & Agriculture Production System Expert**	**15-07-2011**
2	Shri Bharat Pratap Singh	M	24	B.Sc. (Ag)	Soil Expert	Soil and Water conservation Expert	02-09-2011
3	Shri Nikhil Sharma	M	23	M.Sc. (Ag)	Genetics and plant Breeding	Agriculture Expert	28.08.2011
4	Shri Abdhesh Kumar	M	25	M.Sc. (Ag)	Ag. Extension	Agriculture Expert	04.10.2011
5	Km. Minakshi Sharma	F	29	M.A.(Sociology)	Sociology	Social Work	19-09-2011

Table 4.4: Details of Watershed Committee (WC)
Jal Sanrakshan Samiti Baswaha, Gram Panchayat: Sujuwa Name of Project: - IWMP-II , Moth **District- Jhansi**

Sl. No.	Name of Gram Sabha/ GP	Date ofConstitution / Registration as a Society (dd/mm/yyyy)	Designation	M/F	SC	ST	OBC/Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualifi-cation	Function (s) assigned
1	**Baswaha**	639/ 23-12-2010	President	M	-	-	√	-	√	-	-	√	-	-	8th	Implementation of Watershed programme under the insupervision of PIA (as per common guide lines)
			Secretary	M	√	-	-	√	-	-	-	-	-	-	10th	
			Member	M	-	-	√	√	-	-	-	√	-	-	8th	
			Member	M	-	-	√	-	√	-	-	√	-	-	10th	
			Member	M	-	-	√	--	-	√	-	-	√	√	10th	
			Member	F	-	-	√	-	√	-	-	-	√	-	10th	
			Member	M	√	-	-	√	-	-	-	-	-	-	8th	
			Member	M	√	-	-	-	√	-	-	-	-	-	8th	
			Member	F	√	-	-	√	-		-	-	-	-	5th	
			Member	M	√	-	-	√	-	-	-	-	-	-	5th	

Name of Micro watershed- Chhiraura Bujurg

Sl. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as	Designation	M/F	SC	ST	OBC/Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualifi-	Function(s) assigned

		a Society (dd/mm/ yyyy)													cation	
2	**Chhiraura Bujurg**	635/ 23-12-2010	President	M	-	-	√	-	-	√	-	√	-	-	10th	Implementation of Watershed programme under the insupervision of PIA (as per common guide lines)
			Secretary	M	√	-	-	√	-	-	-	√	√	-	12th	
			Member	M	-	-	√	-	√	-	-	√		-	8th	
			Member	M	-	-	√	-	√	-	-		√	-	8th	
			Member	M	-	-	√	-	√	-	-	√	√	-	8th	
			Member	M	-	-	√	√	-	-	-	-	-	-	8th	
			Member	M	√	-	-	√	-	-	-	-	-	-	5th	
			Member	M	√	-	-	-	-	-	√	-	-	-	5th	
			Member	F	√	-	-	-	-	-	√	-	-	-	-	
			Member	M	-	-	√		√	-	-	-	-	-	B.A	

Name of Micro watershed- Garha

Sl. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Designation	M/F	SC	ST	OBC/Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualifi-cation	Function(s) assigned
3	**Garha**	641/ 23-12-2010	President	F	-	√	-	√	-	-	-	-	-	√	10th	Implementation of Watershed programme under the insupervision of PIA (as per common guide lines)
			Secretary	M	-	-	√	-	√	-	-	-	-	-	10th	
			Member	M	-	-	√	√		-	-	√	-	-	8th	
			Member	M	-	-	√	-	√	-	-	√	-	-	8th	
			Member	M	-	-	√	-		-	-	-	√	-	8th	
			Member	M	-	-	√	-	√	-	-	-	√	-	8th	
			Member	M	√	-	-	-	-	-	-	-	-	-	8th	
			Member	F	√	-	-	√	-	-	-	-	-	-	8th	
			Member	M	-	-	√		-	-	√		-	-	10th	

Name of Micro watershed- Vikrampura Sani

Sl. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Designation	M/F	SC	ST	OBC/Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualifi-cation	Function(s) assigned
4	**Vikrampura**	636/	President	M	√	-	-	-	-	-	-	√	-	-	M.A	Implementation

	Sani	23-12-2010	Secretary	M	-	-	√	√	-	-	-	√	-	-	B.A	of Watershed programme under the insupervision of PIA (as per common guide lines)
			Member	M	-	-	√	√	-	-	-	√	-	-	8th	
			Member	M	-	-	√	-	√	-	-	√	-	-	8th	
			Member	M	-	-	√	-	√	-	-	-	√	-	8th	
			Member	M	-	-	√	-	√	-	-	-	√	-	8th	
			Member	M	√	-	-	√	-	-	-	-	-	-	8th	
			Member	F	-	-	√	-	-	-	√	-	-	-	8th	
			Member	F	√	-	-	-	-	-	√	-	-	-	8th	
			Member	M	-	-	√	√	-	-	-	-	-	-	8th	

Name of Micro watershed- Todi Fatehpur

Sl. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Designation	M /F	S C	S T	OBC/ Gen	SF	MF	LF	Land-less	U G	SHG	GP	Educa-tional qualifi-cation	Function(s) assigned
5	**Todi Fatehpur**	637/ 23-12-2010	President	M	-	-	√	-	-	√	-	√	-	-	8th	Implementation of Watershed programme under the insupervision of PIA (as per common guide lines)
			Secretary	M	-	-	√	√	-	-	-	-	-	-	12 th	
			Member	M	-	-	√	-	√	-	-	√	-	-	8th	
			Member	M	-	-	√	-	-	-	-	√	-	-	8th	
			Member	M	-	-	√	-	-	-	-	-	√	-	10th	
			Member	F	-	-	√	√	-	-	-	-	√	-	5th	
			Member	M	√	-	-	√	-	-	-	-	-	-	8th	
			Member	M	√	-	-	-	-	-	√	-	-	-	-	
			Member	M	-	-	√	-	-	-	-	-	√	-	8th	
			Member	M	-	-	√	-	-	-	-	-	-	-	8th	
			Member	M	-	-	√	-	-	-	-	-	-	-	8th	

Name of Micro watershed- Karri

Sl. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Designation	M/F	SC	ST	OBC/Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualifi-cation	Function(s) assigned
6	**Karri**	638/ 23-12-2010	President	M	-	-	√	-	-	√	-	-	-	√	12th	Implementation of Watershed programme under the
			Secretary	M	-	-	√	√		-	-	-	-	-	10th	
			Member	M	-	-	√	-	√	-	-	√	-	-	B.A	
			Member	M	-	-	√	-	√	-	-	√	-	-	8th	

			Member	M	-	-	√	-	√	-	-		√	-	8th	insupervision of PIA (as per common guide lines)
			Member	M	-	-	√	-	√	-	-		√	-	8th	
			Member	M	√	-	-	√		-	-	√	-	-	8th	
			Member	M	-	-	√	√	-	-	√	√	-	-	8th	
			Member	F	√	-	-	√		-	-	-	√	-	5th	
			Member	M		-	√	√	-	-	-	-	√	-	8th	

Name of Micro watershed- Pandwaha

Sl. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Designation	M/ F	SC	ST	OBC/Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educational qualification	Function(s) assigned
7	**Pandwaha**	642/ 23-12-2010	President	M	√	-	-	√	-	-	-	-	-	√	5th	Implementation of Watershed programme under the insupervision of PIA (as per common guide lines)
			Secretary	M	√	-	-	√	-	-	-	√	-	-	12th	
			Member	M	-	-	√	√	-	-	-	√	-	-	B.A	
			Member	M	√	-	-	√	-	-	-	√	-	-	B.A	
			Member	M	-	-	√	-	√	-	-	-	√	-	12th	
			Member	M	√	-	-	-	√	-	-	-	√	-	10th	
			Member	M	√	-	-	√		-	-	-	√	-	10th	
			Member	M	-	-	√	-	√	-	√	-	√	-	8th	
			Member	F	√	-	-	√	-	-	-	-	√	-	8th	
			Member	M	-	-	√	-	-	√	-	-	-	√	10th	

Name of Micro watershed- Dugara

Sl. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Designation	M/F	SC	ST	OBC/Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educational qualification	Function(s) assigned
8	**Dugara**	640/ 23-12-2010	President	M	-	-	√	-	-	√	-	-	-	√	12th	Implementation of Watershed programme under the insupervision of PIA (as per common guide
			Secretary	M	-	-	√	√	-	-	-	-	-	√	B.SC	
			Member	M	-	-	√	√	-	-	-	√	-	-	12th	
			Member	M	-	-	√	-	√	-	-	√	-	-	8th	
			Member	M	-	-	√	√	-	-	-	√	-	-	8th	
			Member	M	-	-	√	-	√	-	-	√	-	-	8th	

			Member	M	-	-	√	-	√	-	-	√	-	-	8th	lines)
			Member	M	√	-	-	-	√	-	-	-	√	-	8th	
			Member	F	√	-	-	-	√	-	-	-	√	-	5th	
			Member	M	-	-	√	-	-	√	-	-	√	-	8th	

Name of Micro watershed- Lathwara

Sl. No.	Name of Gram Sabha/ GP	Date of Constitution/ Registration as a Society (dd/mm/ yyyy)	Designation	M/F	SC	ST	OBC/Gen	SF	MF	LF	Land-less	UG	SHG	GP	Educa-tional qualifi-cation	Function(s) assigned
9	**Lathwara**	643/ 23-12-2010	President	M	-	√	-	-	-	√	-	-	-	√	8th	Implementation of Watershed programme under the insupervision of PIA (as per common guide lines)
			Secretary	M	-	-	√	√	-	-	-	-	√	-	10th	
			Member	M	-	-	√	√	-	-	-	-	√	-	8th	
			Member	M	-	-	√	√	-	-	-	-	√	-	8th	
			Member	M	-	-	√	-	√	-	-	√	-	-	8th	
			Member	M	-	-	√	-	√	-	-	√	-	-	8th	
			Member	M	-	-	√	-	√	-	-	√	-	-	8th	
			Member	M	-	-	√	-	-	-	√	√	-	-	8th	
			Member	F	√	-	-	-	-	√	-	√	-	-	5th	
			Member	M	√	-	-	-	-	√		√	-	-	8th	

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

The project IWMP-II spread over in 23 villages of 09 gram panchayat. Gram panchayat wise watershed committee was constituted, except Gata and Sujwan, and detailes are given in above Table. The watershed committee for remaining two gram panchyats will be constituted by Dec., 2011.

Table 4.5: Village wise details of Self Help Groups (SHGs) in the project area IWMP- II , Moth

Project- IWMP II **District - Jhansi**

Sr. No.	Name of MWS	Names of villages	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of SHGs
			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
1	**Baswaha (2C2B1e1b)**	Baswaha Sujuwa Dhawari	2	1	-	3	(i) Landless	-	-	-	-	-	-	-	-	-	23-12-10
							(ii) SF	4	1	5	6	1	7	6	1	7	
							(iii) MF	3	1	4	3	-	3	1	1	2	

							(iv) LF	1	0	1	-	-	-	-	-	-	
							Total	**8**	**2**	**10**	**9**	**1**	**10**	**5**	**2**	**9**	
2	**Chhiraura Bujurg (2C2B1q2b)**	Chhiraura Bujurg Garha Jauniya Pandwaha Brasingpura	3	1	-	4	(i) Landless	1	1	2	1	1	2	1	1	2	23-12-10
							(ii) SF	3	-	3	2	-	2	3	-	3	
							(iii) MF	4	-	4	-	-	-	4	-	4	
							(iv) LF	1	-	1	-	-	-	-	-	-	
							Total	**9**	**1**	**10**	**3**	**1**	**4**	**8**	**1**	**9**	
3	**Garha (2C2B1q2a)**	Garha Turk lahchura Brasingpura	4	-	-	4	(i) Landless	1	-	1	-	-	-	1	-	1	23-12-10
							(ii) SF	1	2	3	-	1	1	1	2	3	
							(iii) MF	3	1	4	-	-	-	3	1	4	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							Total	**5**	**3**	**8**	**-**	**1**	**1**	**5**	**3**	**8**	
4	**Vikrampura Sani (2C2B1k1a)**	Vikrampura Sani, Turk Lahchura Garha Jauniya Chhiraura Bujurg Kutora Mau Kachhiau	4	-	-	4	(i) Landless	-	2	2	-	1	1	-	2	2	23-12-10
							(ii) SF	5	-	5	2	-	2	5	-	5	
							(iii) MF	3	-	3	-	-	-	3	-	3	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							Total	**8**	**2**	**10**	**2**	**1**	**3**	**8**	**2**	**10**	
5	**Todi Fatehpur (2C2Br1a)**	Todi Fatehpur Dhana Bilgaon Etwa Ataniya	5	-	-	5	(i) Landless	1	-	1	1	-	1	1	-	1	23-12-10
							(ii) SF	2	1	3	1	-	1	2	1	3	
							(iii) MF	1	-	1	-	-	-	1	-	1	
							(iv) LF	1	-	1	-	-	-	-	-	-	
							Total	**5**	**1**	**6**	**2**	**-**	**2**	**4**	**1**	**5**	
6	**Karri (2C2B1e1a)**	Karri Baswaha Ataniya Dhana Bilgaon Todi Fateh pur	4	1	-	5	(i) Landless	1	-	1	-	-	-	1	-	1	23-12-10
							(ii) SF	4	1	5	1	1	2	4	1	5	
							(iii) MF	4	-	4	-	-	-	4	-	4	
							(iv) LF	1	-	1	-	-	-	-	-	-	
							Total	**10**	**1**	**11**	**1**	**1**	**2**	**9**	**1**	**10**	
7	**Pandwaha (2C2B1q1d)**	Pandwaha Dugara Etwa Chhiraura Bujurg	5	-	-	5	(i) Landless	1	-	1	-	-	-	1	-	1	23-12-10
							(ii) SF	5	1	6	4	1	5	5	1	6	
							(iii) MF	3	-	3	1	-	1	3	-	3	
							(iv) LF	1	-	1	-	-	-	-	-	-	
							Total	**10**	**1**	**11**	**5**	**1**	**6**	**9**	**1**	**10**	

8	**Dugara (2C2B1q2c)**	Dugara Etwa Pandwaha Maheba	4	-	-	4	(i) Landless	-	-	-	-	-	-	-	-	-	23-12-10
							(ii) SF	3	-	3	-	-	-	3	-	3	
							(iii) MF	4	1	5	1	1	2	4	1	5	
							(iv) LF	2	-	2	-	-	-	-	-	-	
							Total	**9**	**1**	**10**	**1**	**1**	**2**	**7**	**1**	**8**	
9	**Lathawara (2C2B1q1c)**	Latawara Dabar Rawatpura Baswaha	5	-	-	5	(i) Landless	1	-	1	-	-	-	1	-	1	23-12-10
							(ii) SF	3	-	3	-	-	-	3	-	3	
							(iii) MF	3	-	3	-	-	-	3	-	3	
							(iv) LF	2	1	3	2	1	3	-	-	-	
							Total	**9**	**1**	**10**	**2**	**1**	**3**	**7**	**-**	**7**	

(M – Male, F – Female)

There were 23 villages in the project area and village-wise Self Help Groups (SHGs) constituted is given in Table 4.5. Total 39 SHGs were already constituted in the project villages are men, women, mixed SHGs. Total 414 SHGs have to be constituted to ensure the livelihood of marginalized population in the project. Formation of remaining 31 SHGs is in progress. Livelihood Action Plan is given in Annexure-I.

Table 4.6: Details of Self Help Groups (SHGs) in the project area

Project- IWMP II, Moth **District – Jhansi**

S. N	Name of micro watershed	Name of village	Name of group	Date of constitution	Name of Adhyaksh	Name of Sachiv	Total No. of Members				Name of Bank and Address	Account No. & Date	Group activities
							Wo-men	Sc/ St	Other	Total			
1	**Baswaha (2C2B1e1b)**	Baswaha Sujuwa Dhawari	M/F	23-12-10	Manoj Kumar	Ram Kumar	1	-	1	2	PNB Sipri Bazar, Jhansi	2223000101244551	Goat Rearing, Buffalow Keeping, Papad Making, Transport Vehicles, Tent House
2	**Chhiraura Bujurg (2C2B1q2b)**	Chhiraura Bujurg Garha Jauniya Pandwaha Brasingpura	M/F	23-12-10	BholaNath Tiwari	Parmanand	-	1	2	3	PNB Sipri Bazar, Jhansi	2223000101244515	Goat Rearing, Buffalow Keeping, Papad Making, Transport Vehicles, Tent House

3	**Garha (2C2B1q2a)**	Garha Turk lahchura Brasingpura	M/F	23-12-10	Rajesh kumar	Kaushal Kishore	-	-	2	2	PNB Sipri Bazar, Jhansi	2223000101244560	Goat Rearing, Buffalow Keeping, Papad Making, Transport Vehicles, Tent House
4	**Vikrampura Sani (2C2B1k1a)**	Vikrampura Sani, Turk Lahchura Garha Jauniya Chhiraura Bujurg Kutora Mau Kachhiau	M/F	23-12-10	Udayraj	Gajendra Gautam	-	-	2	2	PNB Sipri Bazar, Jhansi	222300010124452 9	Goat Rearing, Buffalow Keeping, Papad Making, Transport Vehicles, Tent House
5	**Todi Fatehpur (2C2Br1a)**	Todi Fatehpur Dhana Bilgaon Etwa Ataniya	M/F	23-12-10	Dhanni Yadav	Panna lal	1	-	2	3	PNB Sipri Bazar, Jhansi	222300010124457 9	Goat Rearing, Buffalow Keeping, Papad Making, Transport Vehicles, Tent House
6	**Karri (2C2B1e1a)**	Karri Baswaha Ataniya Dhana Bilgaon Todi Fatehpur	M/F	23-12-10	Rameshwar Prasad	Kishan Lal	1	1	2	4	PNB Sipri Bazar, Jhansi	222300010124459 7	Vermi Compost, Dairy, Goat Rearing, Buffalow Keeping, Papad Making, Transport Vehicles, Tent House
7	**Pandwaha (2C2B1q1d)**	Pandwaha Dugara Etwa Chhiraura Bujurg	M/F	23-12-10	Dharam das	Hardayal	1	2	2	5	PNB Sipri Bazar, Jhansi	222300010124454 2	Vermi Compost, Dairy, Goat Rearing, Buffalow Keeping, Papad Making, Transport Vehicles, Tent House
8	**Dugara (2C2B1q2c)**	Dugara Etwa Pandwaha Maheba	M/F	23-12-10	Harishankar	Bhupendra	1	1	1	3	PNB Sipri Bazar, Jhansi	222300010124453 3	Vermi Compost, Dairy, Goat Rearing, Buffalow Keeping, Papad Making,

													Transport Vehicles, Tent House
9	**Lathawara (2C2B1q1c)**	Latawara Dabar Rawatpura Baswaha	M/F	23-12-10	Smt.Shillo Devi	Jageshwar Prasad	-	-	3	3	PNB Sipri Bazar, Jhansi	2223000101244588	Vermi Compost, Dairy, Goat Rearing, Buffalow Keeping, Papad Making, Transport Vehicles, Tent House

(M – Male, F – Female)

Table 4.7: Micro-watershed wise details of User Groups in IWMP-II, Moth, Jhansi

Sr. No.	Name of Micro watershed with code	Names of villages	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGs
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
1.	**Baswaha (2C2B1e1b)**	Baswaha	12	-	6	18	(i) Landless	-	-	-	-	-	-	-	-	-	25-12-10
							(ii) Marginal	112	6	118	48	0	48	105	1	37	
							(iii) Small	94	6	100	20	2	22	68	2	22	
							(iv) Middle	48	2	50	14	0	14	17	-	17	
							(v) Big Farmer	18	0	18	4	0	4	0	-	0	
		Total	**12**	**-**	**6**	**18**		**272**	**14**	286	**86**	**2**	**88**	**190**	**3**	**76**	
		Sujawa	4	-	1	5	(i) Landless	-	-	-	-	-	-	-	-	-	
							(ii) Marginal	20	2	22	6	1	7	19	1	37	
							(iii) Small	14	0	14	4	1	5	10	2	22	
							(iv) Middle	8	0	8	2	0	2	3	-	3	
							(V) Big Farmers	4	0	4	0	0	0	0	-	0	
		Total	**4**	**-**	**1**	**5**		**46**	**2**	48	**12**	**2**	14	**32**	**3**	**62**	
		Dhawari	3	-	1	4	(i) Landless	-	-	-	-	-	-	-	-	-	
							(ii) Marginal	22	0	22	6	0	6	21	0	21	
							(iii) Small	18	2	20	4	0	4	13	2	15	
							(iv) Middle	6	0	6	4	0	4	2	-	2	

							(V) Big Farmers	2	0	2	0	0	0	0	-	0	
		Total	**3**	**-**	**1**	**4**		**48**	**2**	50	**14**	**0**	14	**36**	**2**	38	
	Total for	**MWS**	**19**		**8**	**27**		**366**	**18**	**384**	**112**	**4**	**116**	**258**	**8**	**176**	

Sr. No.	Name of Micro watershed with code	Names of villages	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGs
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
2.	**Chhiraura Bujurg**	Pandwaha	6	-	4	10	(i) Landless	-	-	-	-	-	-	-	-	-	
							(ii) Marginal	29	2	31	10	1	11	27	1	28	
							(iii) Small	28	2	30	8	1	9	20	1	21	
							(iv) Middle	12	2	14	3	0	3	4	-	4	
							(v) Big Farmer	18	0	18	0	0	0	0	-	0	
		Total	**12**	**-**	**6**	**18**		**87**	**6**	93	**21**	**2**	23	**52**	**2**	54	
		Virshingpura	7	-	5	12	(i) Landless	-	-	-	-	-	-	-	-	-	25-12-10
							(ii) Marginal	78	7	85	28	3	31	73	1	37	
							(iii) Small	60	6	66	22	2	24	43	2	22	
							(iv) Middle	46	4	50	17	1	18	17	-	17	
							(V) Big Farmers	18	0	18	0	0	0	0	-	0	
		Total	**7**	**-**	**5**	**12**		**202**	**17**	219	**67**	**6**	73	**133**	**3**	**76**	
		Chhiraura Bujurg	3	-	1	4	(i) Landless	-	-	-	-	-	-	-	-	-	
							(ii) Marginal	136	8	144	6	2	8	128	2	130	
							(iii) Small	96	6	102	4	1	5	69	2	71	
							(iv) Middle	65	4	69	4	1	5	23	-	23	
							(V) Big Farmers	24	2	26	0	0	0	0	-	0	
		Total	**3**	**-**	**1**	**4**		**321**	**20**	341	**14**	**4**	18	**220**	**4**	224	
		Jaunia	1	-	4	5	(i) Landless	-	-	-	-	-	-	-	-	-	

							(ii) Marginal	42	4	46	12	2	14	39	2	41	
							(iii) Small	34	3	37	10	2	12	24	2	26	
							(iv) Middle	21	2	23	6	1	7	8	-	8	
							(V) Big Farmers	4	0	4	0	0	0	0	-	0	
		Total	**3**	**-**	**1**	**4**		**101**	**9**	110	**28**	**5**	33	**72**	**4**	76	
		Garha	4	-	4	8	(i) Landless	-	-	-	-	-	-	-	-	-	
							(ii) Marginal	61	6	67	28	1	29	57	1	58	
							(iii) Small	47	3	50	16	1	17	34	2	36	
							(iv) Middle	36	2	38	12	1	13	13	-	13	
							(V) Big Farmers	6	0	6	0	0	0	0	-	0	
		Total	**3**	**-**	**1**	**4**		**150**	**11**	161	**56**	**3**	59	**104**	**3**	107	
	Total for	**MWS**	**21**		**18**	**39**		**861**	**63**	**924**	**186**	**19**	**205**	**581**	**16**	**536**	

Sr. No.	Name of Micro watershed with code	Names of villages	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGs
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
3.	Garha						Landless	-	-	-	-	-	-	-	-	-	
							Marginal	42	4	46	9	2	11	39	1	37	
							Small	34	3	37	5	2	7	24	2	22	
		Virsinghpura	8	-	6	14	Middle	23	1	24	3	0	3	8	-	8	
							Large	8	0	8	0	0	0	0	-	0	
		Total	**8**	**-**	**6**	**14**		**107**	**8**	115	**17**	**4**	21	**72**	**3**	**67**	
							Landless	-	-	-	-	-	-	-	-	-	
							Marginal	105	10	115	42	6	48	99	1	37	
							Small	82	5	87	32	3	35	59	2	22	
							Middle	61	4	65	13	0	13	22	-	22	
		Garha	7	-	7	14	Large	34	2	36	0	0	0	0	-	0	
		Total	**7**	**-**	**7**	**14**		**282**	**21**	303	**87**	**9**	96	**180**	**3**	**81**	
							Landless	-	-	-	-	-	-	-	-	-	
							Marginal	65	5	70	18	4	22	61	0	61	
							Small	47	2	49	15	3	18	34	2	36	
							Middle	23	2	25	9	0	9	8	-	8	
		Turklahchura	3	-	3	6	Large	11	1	12	0	0	0	0	-	0	
		Total	**3**	**-**	**3**	**6**		**146**	**10**	156	**42**	**7**	49	**103**	**2**	105	26-11-10
	Total for	**MWS**	**18**		**16**	**34**		**535**	**39**	**574**	**146**	**20**	**166**	**355**	**8**	**253**	

(M – Male, F – Female)

4.2: Details of Formation of User Groups (UGs)

User Groups were formed on the basis of beneficiaries of different natural resource conservation activities to be constructed in the watershed. The location of the activities/group mentioned in Table 4.8 can be seen on the proposed plan available in the map section.

Table 4.8: Activity wise formation of user groups

Sr. No.	Name of micro watershed	Name of village	Name of group	Date of constitution	Total No. of Members				Name of Bank and Address	User Charges	Group Activities	Status of User Agreement
					Women	Sc/ St	Other	Total				
1	Baswaha (2C2B1e1b)	Dhawari	SB B_1	25-12-10	2	4	6	12	Under process	-	SMC	done
			SB,B_2 SB A_8	,,	-	2	6	8	Under process	-	SMC	Done
			SB B_4 SB A_{11}	,,	-	4	12	16	Under process	-	SMC	done
			SBA_{13}	,,	-	4	10	14	Under process	-	SMC	done
		Total	**-**	**-**	**2**	**14**	**34**	**50**	**-**	**-**	**-**	**-**
		Baswaha	GPB_1	25-12-10	1	6	16	23	Under process	Rs 16 / hr	Irrigation	done
			GPC_1	,,	0	3	5	8	Under process	Rs 16 / hr	Irrigation	done
			GPC_2	,,	0	2	6	8	Under process	Rs 16 / hr	Irrigation	done
			SBC_{40}	,,	2	4	7	13	Under process	-	SMC	done
			SBC_{28}	,,	0	5	8	13	Under process	-	SMC	done
			SBC_{42}		0	2	6	8	Under process	-	SMC	done
			SBC_{45}	"	0	1	4	5	Under process	-	SMC	done
			WHB C_1	"	3	12	18	33	Under process	Rs 16 / hr	Irrigation	Done
			SBC_{18}	"	2	8	14	24	Under process	-	SMC	done
			SBC_{12}	"	0	2	8	10	Under process	-	SMC	Done
			SBC_7 SBC_8	"	0	4	12	16	Under process	-	SMC	done
			SBC_{17} SBC_{16}	"	0	6	18	24	Under process	-	SMC	done
			Old work1	"	2	5	11	18	Under process	Rs 16/ hr	Irrigation	done

			Old CD1	“	0	8	12	20	Under process	Rs 16/ hr	Irrigation	done
			WHB C_2	“	4	12	18	34	Under process	Rs 16/ hr	Irrigation	done
			CD C_4	“	0	2	8	10	Under process	Rs 16/ hr	Irrigation	done
			SBC_{37}	“	0	4	7	11	Under process	-	SMC	done
			SBC_{29}	“	0	2	6	8	Under process	-	SMC	done
		Total		**-**	**14**	**88**	**184**	**286**	**-**			
		Sujwan	WHB B_1	25-12-10	2	6	10	18	Under process	Rs 16 / hr	Irrigation	done
			SBB_3	,,	-	4	6	10	Under process	-	SMC	done
			SBB_8	,,	-	2	6	8	Under process	–	SMC	done
			SBB_6	,,	-	01	04	05	Under process	-	SMC	done
			SBB_{10}	,,	-	03	04	07	Under process	-	SMC	done
		Total		-	2	**16**	**30**	**48**	-	-	-	-
		GT			**18**	**118**	**248**	**384**				

Sr. No.	**Name of micro watershed**	**Name of village**	**Name of group**	**Date of constitution**	**Total No. of Members**				**Name of Bank and Address & A/c**	**User Charges**	**Group Activities**	**Status of User Agreement**
					Women	**Sc/ St**	**Other**	**Total**				
2.	**Chhiraura Bujurg**	Pandwaha	SBB_1	26-11-10	-	2	4	6	Under process	-	SMC	done
			SBB_6	,,	-	1	5	6	Under process	-	SMC	done
			SBB_7	,,	-	2	7	9	Under process	-	SMC	done
			SBB_8	,,	-	01	06	07	Under process	-	SMC	done

			SBB_{11}	,,	01	01	07	09	Under process	-	SMC	done
			SBB_{14}	,,	-	4	06	10	Under process	-	SMC	done
			SBB_{15}	,,	02	02	07	11	Under process	Rs 16 / hr	Irrigation	done
			WHB B_1	,,	2	6	11	19	Under process	Rs 16 / hr	Irrigation	done
			WHB C_1	,,	01	01	07	09	Under process	Rs 16 / hr	Irrigation	done
			WHB B_1	,,	-	01	06	07	Under process	Rs 16 / hr	Irrigation	done
		Total	**-**	**-**	**6**	**21**	**66**	**93**	-	-	-	-
		Virshingpura	SB A_3	26-11-10	-	02	3	5	Under process	-	SMC	done
			SB A_5	,,	-	01	06	07	Under process	-	SMC	done
			WHB A_1	,,	4	12	28	44	Under process	Rs 16 / hr	Irrigation	done
			SB A_7	,,	-	4	8	12	Under process	-	Crop Production	done
			SB A_8	,,	-	4	14	18	Under process	-	Crop Production	done
			SB A_{10}	,,	2	4	8	14	Under process	-	Crop Production	done
			SB A_{15} SB A_{16}	,,	4	8	12	24	Under process	-	Crop Production	done
			SB A_{13} SB A_{14}	,,	3	10	16	29	Under process	-	SMC/ Crop Production	done
			SB A_{10}	“	-	5	6	11	Under process	-	SMC/ Crop Production	done
			SB A_{18}	“	-	6	11	17	Under process	-	SMC/ Crop Production	done
			SB A_{17}	“	-	5	12	17	Under process	-	SMC/ Crop Production	done
			SB $A_{19\text{-}20}$ SB A_{21}	“	4	6	11	21	Under process	-	SMC/ Crop Production	done
		Total		**-**	**17**	**67**	**135**	**219**	**-**	**-**	**-**	**-**
		Chhiraura Bujurg	WHB C_1		1	4	7	12	Under process	Rs 16 / hr	Irrigation	done
			WHB C_2	“	4	12	36	52	Under process	Rs 16 / hr	Irrigation	done
			GPC_1	“	2	6	12	20	Under process	Rs 16 / hr	Irrigation	done
			SB C_1	“	-	6	8	14	Under process	-	SMC/ Crop Production	done
			SB C_2	“	-	7	9	16	Under process	-	SMC/	done

											Crop Production	
			SB E_3	"	-	5	7	12	Under process	-	SMC/ Crop Production	done
			SB C_6	"	1	6	8	15	Under process	-	SMC/ Crop Production	done
			SB C_9	"	2	8	12	22	Under process	-	SMC/ Crop Production	done
			SB C_{10}	"	4	8	14	26	Under process	-	SMC/ Crop Production	done
			SB C_{27}	"	-	7	9	16	Under process	-	SMC/ Crop Production	done
			SB C_{25}	"	-	5	7	12	Under process	-	SMC/ Crop Production	done
			SB C_{28}	"	1	6	8	15				
			SB C_{32}		1	4	7	12	Under process	-	SMC/ Crop Production	done
			SB C_{33}	"	1	6	8	15	Under process	-	SMC/ Crop Production	done
			SB C_{24}	"	-	7	9	16	Under process	-	SMC/ Crop Production	done
			SB C_{16}	"	-	5	7	12	Under process	-	SMC/ Crop Production	done
			SB C_{13}	"	1	6	8	15	Under process	-	SMC/ Crop Production	done
			SB C_{15}		1	4	7	12	Under process	-	SMC/ Crop Production	done
			SB C_{19}		-	5	7	12	Under process	-	SMC/ Crop Production	done

			SB C_{18}	"	1	6	8	15	Under process	-	SMC/ Crop Production	done
		Total		-	20	**123**	**198**	**341**	-	-	-	-
		Jaunia	WHB D_1	"	2	8	12	22	Under process	Rs 16 / hr	Irrigation	done
			CD D_2	"	3	11	22	36	Under process	Rs 16 / hr	Irrigation	done
			SD D_6	"	-	2	10	12	Under process	-	SMC / Cop Production	done
			SB D_8	"	2	6	10	18	Under process	-	SMC / Cop Production	done
			SB D_{10}	"	02	6	14	22	Under process	Rs 16 / hr	Irrigation	done
		Total			**9**	**33**	**68**	**110**	-	-	-	-
		Garha	CDE1	"	3	7	16	26	Under process	Rs 16 / hr	Irrigation	done
			CDE 2	"	2	8	12	22	Under process	Rs 16 / hr	Irrigation	done
			CD E3	"	-	9	12	21	Under process	Rs 16 / hr	Irrigation	done
			SB E8	"	-	7	14	21	Under process	-	SMC / Cop Production	done
			SB E10	"	4	10	14	28	Under process	-	SMC / Cop Production	done
			SB E1		-	3	4	7	Under process	-	SMC / Cop Production	done
			SB E3		2	6	8	16	Under process	-	SMC / Cop Production	done
			SB E4	"	-	8	12	20	Under process	-	SMC / Cop Production	done
		Total			**11**	**58**	**92**	**159**	-	-	-	-
		GT			**63**	**302**	**559**	**922**				

Sr. No.	**Name of micro watershed**	**Name of village**	**Name of Group**	**Date of constitution**	**Total No. of Members**				**Name of Bank and Address & A/C**	**User charges**	**Group Activities**	**Status of User Agreement**
					Women	**Sc/ St**	**Other**	**Total**				
3.	**Garha**	Virsinghpura	SB A 13	26-11-10	01	01	07	09	Under process	-	Crop Production	done

			SB A 10	,,		-	07	07	Under process	-	Crop Production	done
			SB A 14	,,	-	3	4	7	Under process	-	SMC / Cop Production	done
			SB A 16	,,	01	01	07	09	Under process	-	Crop Production	done
			SB A 15	,,		2	06	8	Under process	-	SMC / CP	done
			SB A17	,,	-	3	4	7	Under process	-	SMC / Cop Production	done
			SB A7	,,	01	01	07	09	Under process	-	Crop Production	done
			SB A9	,,		-	07	07	Under process	-	Crop Production	done
			SB A17 & 18	,,	-	3	4	7	Under process	-	SMC / Cop Production	done
			SB A 19 & 20	,,		01	07	08	Under process	-	SMC / CP	done
			SB A 21	,,		-	07	07	Under process	-	Crop Production	done
			SB A22	,,	01	01	07	09	Under process	-	Crop Production	done
			SB A 23	,,	03	03	06	12	Under process	-	Crop Production	done
			SB A 25	,,	01	02	06	09	Under process	-	Crop Production	done
		Total	**-**	**-**	**8**	**21**	**86**	**115**	-	-	-	-
		Garha	SB B_{29}	26-11-10	-	2	4	6	Under process	-	Crop Production	done
			SB B_{25}	"	-	4	5	9	Under process	-	Crop Production	done
			SB B_{30} & 31	"	2	6	14	22	Under process	-	Crop Production	done
			SB B_{37}	"	-	8	12	20	Under process	-	Crop Production	done
		Garha	GP B_1	"	-	3	7	10	Under process	Rs 16 / hr	Irrigation	done
			GP B_2	"	-	4	12	16	Under process	Rs 16 / hr	Irrigation	done
			GP B_5	"	3	7	15	25	Under process	Rs 16 / hr	Irrigation	done
			WHB B_1	"	2	6	12	20	Under	Rs 16 / hr	Irrigation	done

									process			
			GP B_6	"	-	5	8	13	Under process	Rs 16 / hr	Irrigation	done
			GP B_3	"	4	12	18	34	Under process	Rs 16 / hr	Irrigation	done
			CD B_2	"	2	11	19	32	Under process	Rs 16 / hr	Irrigation	done
			GP B_4	"	-	6	7	13	Under process	Rs 16 / hr	Irrigation	done
			CD B_1	"	5	15	20	40	Under process	Rs 16 / hr	Irrigation	done
			SB $B_{2,}$ 4, 5	"	3	7	12	22	Under process	-	Crop Production	done
		Total	**-**	,,	**21**	**96**	**165**	**282**	-	-	-	-
		Turk Lahchura	CDC_3	26-11-10	4	12	18	34	Under process	Rs 16 / hr	Irrigation	done
			CDC_2	"	-	5	9	14	Under process	Rs 16 / hr	Irrigation	done
			CDC_5	"	4	12	26	42	Under process	Rs 16 / hr	Irrigation	done
			CDC_4	"	-	6	18	24	Under process	Rs 16 / hr	Irrigation	done
			CDC_1	"	2	8	12	22	Under process	Rs 16 / hr	Irrigation	done
			SB C_{13-14}	"	-	6	14	20	Under process	Rs 16 / hr	Irrigation	done
		Total		,	**10**	**49**	**97**	**156**	-	-	-	-

Note. In the project 23 villages -wise User Groups (UGs) constituted is given in Table 4.7 and 4.8 with activities. . Rest Micro-watershed User Groups activities details kept in the project repective project file. Total members of UGs in the project area is 5450 No. (with the agreement) constituted in the project villages are men, women, mixed UGs. Total 218User groups formed with related activities to ensure the higher productivity from land of all farmers in the project.

Table 4.9: Details of Fund flow of Watershed Committee Accounts in IWMP-II, Jhansi (Amount in Rs.)

S.	Name of	Name of	Opening	Deposit	Withdrawal	Interest	Closing

No.	MWS with code	watershed committee (WC)	Balance	DRDA/ ZP cheque No./date	Amount / Date of deposit in WC Account	Total amount available in WC Account as on 31.03.2011	Amount withdrawn by Cash/ Cheque	Date of with-drawal	Purpose of with-drawal	accrued	balance
1	Garha	Garha	-	-	-	5.625	-	-	-	-	5.625
2	Vikrampura Sani	Vikrampura Sani	-	-	-	9.270	-	-	-	-	9.270
3	Chhiraura Bujurg	Chhiraura Bujurg	-	-	-	7.650	-	-	-	-	7.650
4	Pandwaha	Pandwaha	-	-	-	4.680	-	-	-	-	4.680
5	Dugara	Dugara	-	-	-	5.760	-	-	-	-	5.760
6	Karri	Karri	-	-	-	6.660	-	-	-	-	6.660
7	Baswaha	Baswaha	-	-	-	7.200	-	-	-	-	7.200
8	Lathwara	Lathwara	-	-	-	5.355	-	-	-	-	5.355
9	Todi Fetehpur	Todi Fetehpur	-	-	-	6.660	-	-	-	-	6.660
	Total IWMP –II		-	-	-	**58.860**	-	-	-	-	**58.860**

4.3 Convergence in IWMP-II, Moth-Jhansi

Several programmes are running in the area which are sponsored by Central and State Govt. and could be converged with watershed programmes. Some of them are listed in Table 4.10. The details of the activities to be carried out under convergence in the project are mentioned in Chapter 5. However, micro-watershed wise amount of convergence is mentioned in Table 4.11.

Table 4.10: List of Central/State sponsored schemes

S.No.	Name of Programme	Implementing Agency	Objectives of the Programme
1	Seed Distribution Programme (Pulse Development & ISOPAM)	U.P. Agriculture Deptt.	To increase seed replacement ratio for higher productivity
2	Training Programme	Agriculture Deptt.,	Capacity building of the farmers

		KVK	
3	National Horticulture Mission (NHM)	Horticulture Deptt.	Increasing the area under fruits and vegetables
4	MGNERGA (Bunding, Farm Pond, Adarsh Jalashay, Blast well, Chakroad, etc.)	Gram Panchayat	To provide work to the all village personnel under the rojgar guarantee yojana
5	Dept. of Animal Husbandry	U.P. Animal Husbandry	To improve the productivity of livestock
6	NABARD (Agriculture & SMC)	Deptt. Of Agriculture	

Table 4.11: Details of Convergence of IWMP with other Schemes in IWMP-II, Moth-Jhansi (Rs. In Lakh)

S. No.	Name of Micro Watershed	Names of Departments with Schemes converging with IWMP	Fund made available to convergence (Rs. in lakh)	Was this fund included in Rs. 12, 000/ 15,000 per ha.		Name of activity/task/structure undertaken with converged funds	Reference no. of activity/ task/ structure in DPR[@]	Level at which decision for convergence was taken[$]
				Yes	No	(a) Structures (b) livelihoods (c) Any other (pl. specify)[#]		
1	Baswaha (2C2B1e1b)	MGNREGA	59.108	Additional to the cost of Rs. 12000/ha		Natural Resource Management (Soil and water conservation Structures)	Included in DPR	Distrct Level
2	Chhiraura Bujurg (2C2B1q2b)	-do-	66.872					
3	Garha (2C2B1q2a)	-do-	92.76					
4	Vikrampura Sani (2C2B1k1a)	-do-	46.405					
5	Todi Fatehpur (2C2Br1a)	-do-	84.845					
6	Karri (2C2B1e1a)	-do-	64.034					
7	Pandwaha (2C2B1q1d)	-do-	133.337					
8	Dugara (2C2B1q2c)	-do-	84.037					
9	Lathawara (2C2B1q1c)		**70.562**					
		Total	**701.96**					

CHAPTER - 5

MANAGEMENT/ACTION PLAN

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

5.1 Entry Point Activities (EPA)

Entry point activities were executed with the consent of stake holders and it helped in winning the confidence of the villagers for moving ahead the other programmes of watershed. In total 20 EPA activities were executed in the project area which costed Rs. 29.030 lakh, photographs of entry point activities done in the project are given below:

Name of PIA	Name of Project	Year	Name of Block	Name of project/ Name of village	Alloted (Rs)	E.P.A cost in lakh		Cost in lakh	
2	3	4	5	6	7	8	9	10	11
LDWR, Moth-Jhansi	IWMP-II	2009-10	Gursarain	Garha	3.000	3.000	Repairing of Old Well in village	3.000	-
				Vikrampura Sani	4.944	4.944	Rapta on Nala and road, puliya and CC work in Ghhiraura Bujurg	4.944	-
				Chhiraura Bujurg	4.080	4.080	CC Raod	4.080	-
				Pandwaha	2.496	2.496	Rapta / Puliya	2.496	-
				Dugara	3.072	3.072	Reparing of Old checkdam Core wall	3.072	-
				Todi Fetehpur	3.552	1.190	Repairing of Old checkdam	1.190	-
				Karri	3.552	3.552	Repairing of old well and checkdam	3.552	-
				Baswaha	3.840	3.840	Public Chabutara in Sujawa, Nali Apex and old well repairing	3.840	-
				Lathwara	2.856	2.856		2.856	
				Total	**31.392**	**29.030**			-

Project - IWMP-II (Year 2009-10)
MWS Code- 2C2B1k1a
Gram Sabha - Vikrampura
PIA- BSA Moth
Construction Year - 2010-11 (WDW)
District - Jhansi



Pre-Position



Post-Position

5.2 Works Phase

Following are the major problems of the watersheds

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

Estimation of Runoff from the Watershed

Runoff from the watershed is estimated by Curve Number method of the Soil Conservation Service of the USDA using 18 years data (1990-2009) with a gap of 2005 and 2006). It is estimated that runoff potential of the project area is 141 mm, equivalent to 17 per cent of average annual rainfall. Expected runoff and soil loss from the project area are depicted Table 5.1.

Estimation of Runoff from the Watershed

Runoff from the watershed is estimated by Curve Number method of the Soil Conservation Service of the USDA using 18 years data (1990-2009) with a gap of 2005 and 2006). It is estimated that runoff potential of the project area is 332.11 mm, equivalent to 56.40 per cent of average annual rainfall. Expected runoff and soil loss from the project area are depicted Table 5.1.

Table 5.1: Runoff and soil erosion in the project area (IWMP-II, Moth, Jhansi)

Sr. No.	Name of Micro Watershed	Cause	Type of erosion	Area affected (ha)	Run off (mm/ year)	Average Soil Loss (Tonnes/ ha/ year)
1	Baswaha (2C2B1e1b)	Water erosion				
		a	Sheet	336.00	320	25-30
		b	Rill	392.00		
		c	Gully	72.00		
		Total		**800**		
2	Chhiraura Bujurg (2C2B1q2b)	Water erosion				
		a	Sheet	357.00	345	25-30
		b	Rill	416.50		
		c	Gully	76.50		
		Total		**850**		
3	Garha (2C2B1q2a)	Water erosion				
		a	Sheet	357.00	316	25-30
		b	Rill	416.50		
		c	Gully	76.50		
		Total		**850**		
4	Vikrampura Sani (2C2B1k1a)	Water erosion				
		a	Sheet	262.50	326	25-30
		b	Rill	306.25		
		c	Gully	56.25		
		Total		**625**		
5	Todi Fatehpur (2C2B1r1a)	Water erosion				
		a	Sheet	432.60	345	25-30
		b	Rill	504.70		
		c	Gully	92.70		
		Total		**1030**		
6	Karri (2C2B1e1a)	Water erosion				
		a	Sheet	318.20	340	25-30
		b	Rill	370.00		
		c	Gully	51.80		
		Total		**740**		
7	Pandwaha (2C2B1q1d)	Water erosion				
		a	Sheet	218.40	342	25-30
		b	Rill	254.80		
		c	Gully	46.80		
		Total		**520**		

8	Dugara (2C2B1q2c)	Water erosion				
		a	Sheet	268.80	330	25-30
		b	Rill	326.40		
		c	Gully	44.80		
		Total		**640**		
9	Lathawara (2C2B1q1c)	Water erosion				
		a	Sheet	249.90	325	25-30
	Total G Total IWMP – II		Rill	291.55		
			Gully	53.55		
		Total		**595**		
		G Total IWMP – II	Sheet	2754.20		
			Rill	3227.80		
			Gully	561.00		
				6540		

Watershed Development Activities Proposed

The details of the activities of watershed works (natural resource conservation) are marked on individual field in the micro-watershed wise proposed plan (Map Section). Individual beneficiary wise estimate has been prepared for each village comes under each micro-watershed. Information of individual beneficiaries is kept in respective project file available with PIA. Beneficiary wise information was summerised and prepared for each micro-watershed and gram panchayat wise (Table 5.2 and 5.4). Similar exercise was also done for participatory crop trials. Location of these trials is marked on proposed plan of participatory crop demonstration (available in map section).

Table 5.2: Gram Panchayat and Micro-watershed wise details of Watershed Development Activities proposed in IWMP-II, Jhansi

Sr. No.	Particular of Measures/Activities	Unit	Sujuwa (MWS-Baswaha (2C2B1e1b)		Chhiraura Gujurg (MWS- Chhiraura Bujurg (2C2B1q2b)		Garha (MWS-Garha (2C2B1q2a)		Turk Lahchura (MWS-Vikrampura Sani (2C2B1k1a)		Dugara (MWS-Todi Fatehpur (2C2B1r1a)	
		No., Length/ ha, Volume	Qanty.	Cost	Qanty.	Cost	Qanty.	Cost	Qnty	Est. Cost	Qnty	Est. Cost
I	**Soil & Water Conservation Measures**											
	A- Moisture Conservation Measures											
	1. Field Bund	-	Nil	Nil	Nil		Nil		Nil	Nil		Nil
	2. Contour Bund (with Sodding)	cum.	12665	8.822	8950	6.235	12560	8.749	8560	5.962	12560	8.749
	3. Peripheral Bund (with Sodding)	cum.	8500	5.921	11500	8.011	6520	4.541	12560	8.749	9600	6.687
	4. Marginal Bund (with Sodding)	cum.	6500	4.528	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	5.Submergence Bundhi (with Sodding)	cum.	61442 10328	30.40 7.194	60440 22899	28.691 15.951	55941 24814	27.674 17.285	78135 13922	37.106 9.698	59970 16667	29.667 11.610
	B- <u>Water Resource Development</u>											
	1. Tank/Pond	No	Nil	Nil	Nil		Nil		Nil		Nil	
	1a - Water storing capacity	cum.	Nil	Nil	Nil		Nil		Nil		Nil	
	1b- Area proposed for irrigation	ha	Nil	Nil	Nil		Nil		Nil		Nil	
	2- Water Harvesting Bundhi/GP	cum.	11141	7.149	22770	13.958	5443.23	3.133	21937	12.625	10882	7.136
	2a- Water storing capacity	cum.	22000		23600		7580		26000		27000	
	2b- Area proposed for irrigation	**ha**	28		27		6.8		34		38	
	3. Check Dam / Drop Spill Way	No.	4	14.616	3	18.03	5	32.050	3	12.793	4	18.472
	3a- Water storing capacity	cum.	6500		6800		8750		5500		4000	
	3b. Area proposed for irrigation	ha	7		8		10		5		6	
	4. Well recharging unit	No	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	4a. Expected Volume of Recharge	cum.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	4b-Expected irrigated area to be increased (only one irrigation)	ha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

	C- Drainage Line Treatment											
	Upper reaches											
	1. Vegetative / Brush wood checks	**No.**	Nil	Nil	Nil		Nil		Nil		Nil	
	2. Loose Boulder checks / Structure.	**No.**	Nil	Nil	Nil		Nil		Nil		Nil	
	3. Gabion structures	No (each 3 cum.)	-	-	-	-	-	-	-	-	-	-
	4. Water Harvesting Bund with surplushing structure	cum	14176.13	11.61	9143	7.488	15432	12.638	-	-	6590	5.404
	4a-Water storing capacity	cum.	12000		11000		13000		-	-	4560	
	4b. Area proposed for irrigation by WHB	ha	12		11.5		14		-	-	6.5	
	Middle reaches											
	1.Loose Boulder checks / structures	No.	Nil		Nil		Nil		Nil		Nil	
	2. Gabion structures.	No.	-	-	-	-	-	-	-	-	60	3.420
	3. Sunken Pond (Kadahi Tal) /	No.	Nil		Nil		Nil		Nil		Nil	
	4. Percolation Tank	No.	Nil		Nil		Nil		Nil		Nil	
	4. WHB with surplushing structure	No	-	-	-	-	-	-	-	-	4	16.828
	4a-Water storing capacity	cum.	-	-	-	-	-	-	-	-	12000	
	4b-Area proposed for irrigation by WHB	ha	-	-	-	-	-	-	-	-	17	
	Lower reaches											
	1. Checkdam /Structure	No.	6/80	22.568	4/78	25.628	5/96	28.690	4/105	34.650	80	26.600
	2. Gabion structures.	No.	-	-	-	-		-	-	-	-	-
	3. Percolation Tank.	No.	Nil		Nil		Nil		Nil		Nil	
	4. Gully Plug / Nala Bund / Earthen Checkdam	CMT	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	4a- Water storing capacity	Cub. M	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	4b- Area proposed for irrigation by Nala Bund		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Total			**112.868**		**123.992**		**134.76**		**115.621**		**134.573**
	Silvi-postoral System											
	A. Trees + Grasses											
	1. Sirash - Stylo hamata & Cencrush (1:1)	ha.	1	0.250	1	0.250	1	0.250	1	0.250	1	0.250
	3. Subabul - Stylo hamata & Cencrush (1:1)	ha	1	0.250	1	0.250	1	0.250	1	0.250	1	0.250

	B. Grasses species											
	1. Hetropogon / Crysopogon (On bund)	Sq M	2500	0.120	2500	0.120	2500	0.120	2500	0.120	2500	0.120
	2. Cencrush (On bund)	Sq M	2500	0.120	2500	0.120	2500	0.120	2500	0.120	2500	0.120
	3. Dina Nath grass (On bund)	Sq M	2500	0.120	2500	0.120	2500	0.120	2500	0.120	2500	0.120
	Total			**0.860**		**0.860**		**0.860**		**0.860**		**0.860**
II	**Livelihood for landless People**											
	.											
	1. Goatary	No. of SHGs/ No. of beneficiaries	12/120	3.000	12/120	3.000	8/80	2.000	8/80	2.000	12/120	3.000
	2. Back Yard Poultry	do	20/200	0.900	20/200	0.900	12/120	0.526	16/160	0.720	20/200	0.900
	3. Poultry (Broiler)	do	10/100	2.420	9/90	2.366	5/50	1.250	8/80	1.824	10/100	2.474
	4. Black Smithy	do	1/10	0.125	1/10	0.125	1/10	0.125	1/10	0.125	1/10	0.125
	5. Rope Making (Linseed)	do	1/10	0.105	1/10	0.105	1/10	0.105	1/10	0.105	1/10	0.105
	6. Tailoring	do	1/10	0.250	1/10	0.250	1/10	0.250	1/10	0.250	1/10	0.250
	7. Repairing of Diesel Engine / Implements	do	1/10	0.150	1/10	0.150	1/10	0.150	1/10	0.150	1/10	0.150
	8. Vermi composting	do	5/50	1.250	5/50	1.250	4/40	1.000	5/50	1.244	5/50	1.250
	9. Fruit Processing	do	1/10	0.250	1/10	0.250	1/10	0.250	1/10	0.250	1/10	0.250
	10. Mini Dal Mill	do	1/10	0.250	1/10	0.250	1/10	0.250	1/10	0.250	1/10	0.250
	11. Mini flour Mill	do	1/10	0.250	1/10	0.250	1/10	0.250	1/10	0.250	1/10	0.250
	12. Mini Oil Expeller	do	1/10	0.250	1/10	0.250	1/10	0.000	0	0.250	1/10	0.250
	13. Carpentry	do	1/10	0.250	1/10	0.250	1/10	0.000	0	0.250	1/10	0.250
	Total		**56/560**	**9.450**	**55/550**	**9.396**	**38/380**	**6.156**	**44/440**	**7.668**	**56/560**	**9.504**
III	**Agriculture Production System**											
	A- Crop Demonstrations- (Crop Wise)											
	(1)SMC Area:											
	1. Lentil (ICM)	No. of farmers /Area (ha)	20/10	0.47	20/10	0.47	20/10	0.47	20/10	0.47	20/10	0.47
	2. Chickpea (ICM)	No. of farmers /Area	16/8	0.44	16/8	0.44	16/8	0.44	16/8	0.44	16/8	0.44
	3. Field Pea (ICM)	No. of farmers /Area	16/8	0.46	16/8	0.46	16/8	0.46	16/8	0.46	16/8	0.46
	4. Linseed (ICM)	No. of farmers /Area	12/6	0.18	12/6	0.18	12/6	0.18	12/6	0.18	12/6	0.18
	5. Mustard (ICM)	No. of farmers /Area	0	0.00	0	0.00	10/5	0.14	0	0.00	10/5	0.14

	6. Til (IPNM)	No. of farmers /Area	10/5	0.18	10/5	0.18	10/5	0.18	10/5	0.17	10/5	0.17
	7. Urd (ICM)	No. of farmers /Area	12/6	0.21	12/6	0.21	12/6	0.21	12/6	0.21	12/6	0.21
	8. Sorghum (ICM)	No. of farmers /Area	0	0.00	10/5	0.18	10/5	0.18	10/5	0.18	10/5	0.18
	9. Arhar (ICM)	No. of farmers /Area	12/6	0.18	12/6	0.18	12/6	0.18	12/6	0.18	12/6	0.18
	10. Wheat	**No. of farmers /Area**	20/10	0.58	20/10	0.58	20/10	0.58	20/10	0.58	20/10	0.58
	(2) Water Resource Area:		118/59	**2.70**	**128/64**	**2.88**	**138/69**	**3.02**	**128/64**	**2.87**	**127/63.5**	**3.01**
	B- Production of seeds											
	1. Lentil	No. of farmers /Area	10/5	0.30	10/5	0.30	10/5	0.30	10/5	0.30	10/5	0.30
	2. Chickpea	No. of farmers /Area	12/6	0.40	6/3	0.40	6/3	0.40	6/3	0.40	6/3	0.40
	3. Field Pea	No. of farmers /Area	4/2	0.16	0	0.00	4/2	0.16	4/2	0.16	4/2	0.16
	4. Linseed	No. of farmers /Area	8/4	0.15	8/4	0.15	8/4	0.15	8/4	0.15	8/4	0.15
	5. Mustard	No. of farmers /Area	4/2	0.02	0	0.00	0	0.00	0	0.00	0	0.00
	6. Wheat	No. of farmers /Area	8/4	0.10	8/4	0.10	8/4	0.10	8/4	0.10	8/4	0.10
	7. Til	No. of farmers /Area	4/2	0.01	4/2	0.01	4/2	0.01	0	0.00	0	0.00
	8. Urd	No. of farmers /Area	8/4	0.05	8/4	0.05	0	0.00	8/4	0.05	8/4	0.05
	Total		**58/29**	**1.19**	**44/22**	**1.01**	**40/20**	**1.12**	**44/22**	**1.16**	**44/22**	**1.16**
	Agro forestry:-											
	A. Scattered Plantation											
	Species…..											
	1- Aonla	No. of Plants	100	0.06	200	0.12	80	0.05	100	0.06	200	0.12
	2- Ber	No. of Plants	100	0.05	200	0.10	80	0.04	100	0.05	200	0.10
	3- Bael	No. of Plants	50	0.03	100	0.06	50	0.03	50	0.03	100	0.06
	4 - Citrus spp..	No. of Plants	50	0.03	100	0.05	50	0.03	50	0.03	100	0.05
	5. Guava	No. of Plants	100	0.06	200	0.12	80	0.05	100	0.06	200	0.12
	Total		**400**	**0.23**	**800**	**0.45**	**340**	**0.20**	**400**	**0.23**	**800**	**0.45**
	B. Agri-Horticultural System											
	Species											
	1- Aonla	Area in ha	2.5	0.56	2.5	0.56	0.80	0.18	1.5	0.34	2.5	0.56

	2- Ber	Area in ha	2.5	0.56	2.5	0.56	0.80	0.18	1.0	0.23	1.5	0.34
	5. Guava	Area in ha	1.5	0.35	1.5	0.35	0.50	0.12	1.0	0.24	1.5	0.35
	Total		**6.5**	**1.47**	**6.5**	**1.47**	**2.1**	**0.48**	**3.5**	**0.81**	**5.5**	**1.25**
	C Block Plantation/ Orchard											
	Species…..											
	1- Guava (Spacing 8 X 6 M)	Area in ha	1.5	0.19	1.5	0.19	0.40	0.05	2.0	0.25	1.5	0.19
	2- Ber (Sapcing 8 X 5 M)	Area in ha	2.0	0.25	2.0	0.25	0.40	0.05	2.0	0.25	1.5	0.19
	3- Aonla (Spacing 8 X 8 M)	Area in ha	2.5	0.14	2.5	0.14	0.40	0.04	2.0	0.19	1.5	0.14
	Total		**6**	**0.58**	**6**	**0.58**	**1.20**	**0.14**	**6**	**0.69**	**4.5**	**0.52**
	Total for the Agro-forestry			**2.28**		**2.50**		**0.82**		**1.73**		**2.22**
	D. Afforestation on Private Land											
	Species											
	1- Teak (Sapcing 4 X 2.5 M)	ha.	2	1.16	1.75	1.02	0.50	0.29	1	0.58	2	1.16
	2- Shisham (Sapcing 8 X 6 M)	ha.	4	0.42	3.00	0.31	0.80	0.08	2	0.21	4	0.42
	3. Bael (8 X 8 M)	ha	2	0.19	2.00	0.19	1.00	0.09	1	0.09	2	0.19
	4. Jamun (Scattered plantation)	No	250	0.15	250	0.15	50	0.03	150	0.09	250	0.15
	5. Phalsa (On Bund)	Running Meter	1000	0.40	1000	0.40	200	0.08	500	0.20	1000	0.40
	Total		**1258**	**2.32**	**1256.75**	**2.07**	**252.3**	**0.57**	**654**	**1.17**	**1258**	**2.32**
	Grand Total		**1270.50**	**4.60**	**1269.25**	**4.57**	**255.6**	**1.39**	**663.50**	**2.90**	**1268**	**4.54**
	Live Stock Management											
	A. Rearing of Milch cattle-											
	1- Cow-	No. of Units / Farmers	60/88	0.01	60/84	0.12	60/88	0.01	60/88	0.01	60/88	0.01
	2- Buffalloes-	No. of Units / Farmers	2/2	0.24	2/2	0.24	2/2	0.24	2/2	0.24	2/2	0.24
	3- Goatry-	No. of Units / Farmers	384/35	0.02	371/30	0.02	234/24	0.02	312/29	0.02	402/38	0.02
	4- Poultry-	No. of Units / Farmers	10/10	-	10/10	-	10/10	-	10/10	-	10/10	-
	5- Broiler-	No. of Units / Farmers	5/5	0.24	2/2	0.12	5/5	0.24	5/5	0.24	5/5	0.24
	6- Layers-	No. of Units / Farmers	5/5	0.24	2/2	0.12	5/5	0.24	5/5	0.24	5/5	0.24
	7- Piggeries-	No. of Units / Farmers	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00

	8- Fisheries -	No. of Units / Farmers	2/4	0.18	2/4	0.18	2/4	0.18	-	-	2/4	0.18
	9- Dairy -	No. of Units / Farmers	10/2	0.20	12/6	0.30	8/2	0.16	0	0.00	8/2	0.18
	10- Green Fodder	ha/farmer	5/10	0.40	5/10	0.40	5/10	0.49	5/10	0.40	5/10	0.40
	Total		**483/161**	**1.53**	**466/150**	**1.50**	**331/155**	**1.58**	**399/149**	**1.15**	**499/164**	**1.51**
	B. Veterinary Services/											
	1- Vaccination/Medication	No. of Animals	890	0.04	876	0.04	559	0.03	727	0.04	904	0.05
	2- Infertility Management	No. of Animals	890	0.04	876	0.04	559	0.02	727	0.03	904	0.04
	3- Others	No. of Animals										
	Total		**1780**	**0.08**	**1752**	**0.08**	**1118**	**0.05**	**1454**	**0.07**	**1808**	**0.09**
	C. Live stock Improvement Measures											
	1- Artificial Insemination	No. of Animals	356	0.18	350	0.18	224	0.11	291	0.15	362	0.18
	2- Natural Service.	He Buffalo	1	0.24	1	0.24	1	0.24	1	0.24	1	0.24
	Total		**357**	**0.42**	**351**	**0.42**	**225**	**0.35**	**292**	**0.39**	**363**	**0.42**
	Total Live stock management			**2.03**		**1.99**		**1.98**		**1.60**		**2.01**
	Total for Ag. Production System			10.50		10.44		7.49		8.51		10.70

Table 5.3 Cond….. Micro Watershed wise details of Watershed Development Activities proposed in Watershed

Cont…….

Sr. No.	Particular of Measures/Activities	Unit / No. / Length / area ha	Sujuwa (MWS-Karri (2C2B1e1a)		Pandwaha (Pandwaha (2C2B1q1d)		Dugara MWS- Dugara (2C2B1q2c)		Lathwara MWS- Lathawara (2C2B1q1c)		Total for IWMP-II	
			Qanty.	Cost	Qanty.	Cost	Qanty.	Cost	Qanty.	Cost	Qnty	Cost
I	**Soil & Water Conservation Measures**											
	A- Moisture Conservation Measures											
	1. Field Bund	-	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil		
	2. Contour Bund (with Sodding)	cum.	9650	7.476	12560	8.749	11600	8.080	9650	7.476	**98755**	**70.298**
	3. Peripheral Bund (with Sodding)	cum.	5600	6.112	18600	12.956	8960	6.242	5600	6.112	**87440**	**65.331**
	4. Marginal Bund (with Sodding)	cum.	4620	3.21	19000	13.235	16500	11.494	4620	Nil	**51240**	**32.467**

	5.Submergence Bundhi (with Sodding)	cum.	66857 16372	33.074 11.404	131283 15600	64.945 10.866	56178 12650	27.791 8.812	66857 16372	33.074 11.404	**637103 149624**	**312.422 104.224**
	B- Water Resource Development											
	1. Tank/Pond	No	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	**-**	**-**
	1a - Water storing capacity	cum.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	**-**	**-**
	1b- Area proposed for irrigation	ha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	**-**	**-**
	2- Water Harvesting Bundhi/GP	cum.	22223	12.611	11973	6.795	9580	5.537	22223	12.611	**138172**	**81.555**
	2a- Water storing capacity	cum.	25000		12500		25000		25000			
	2b- Area proposed for irrigation	**ha**	34		12		34		34			
	3. Check Dam / Drop Spill Way	No.	3	12.330	4	16.025	5	18.60	3	12.330	**34**	**155.246**
	3a- Water storing capacity	cum.	12500		15500		12500		12500			
	3b. Area proposed for irrigation	ha	13		18		13		13			
	4. Well recharging unit	No	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	**-**	**-**
	4a. Expected Volume of Recharge	cum.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	**-**	**-**
	4b-Expected irrigated area to be increased (only one irrigation)	ha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	**-**	**-**
	C- Drainage Line Treatment											
	Upper reaches											
	1. Vegetative / Brush wood checks	**No.**	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	**-**	**-**
	2. Loose Boulder checks / Structure.	**No.**	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	**-**	**-**
	3. Gabion structures	No (each 3 cum.)	-	-	-	-	-	-	-	-		
	4. Water Harvesting Bund with surplushing structure	No.	-	-	-	-	-	-	-	-	**-**	**-**
	4a-Water storing capacity	cum.	-	-	-	-	-	-	-	-	**-**	**-**
	4b. Area proposed for irrigation by WHB	ha	-	-	-	-	-	-	-	-	**-**	**-**
	Middle reaches										**-**	**-**
	1.Loose Boulder checks / structures	No.	Nil		Nil		Nil		Nil		**-**	**-**
	2. Gabion structures.	No.	-	-	-	-	-	-	-	-	**-**	**-**
	3. Sunken Pond (Kadahi Tal) /	No.	Nil		Nil		Nil		Nil		**-**	**-**
	4. Percolation Tank	No.	Nil		Nil		Nil		Nil		**-**	**-**
	4. WHB with surplushing structure	Cum	5926	4.859	7500	6.150	9560	7.839	5926	4.859	**28916**	**40.535**
	4a-Water storing capacity	cum.	6000		7000		8000		7000		**-**	**-**
	4b-Area proposed for irrigation by WHB	ha	7		9		12		10		**-**	**-**
	Lower reaches											
	1. Loose Boulder checks /StructureDSW	No.	87	22.68	96	28.56	105	32.650	87	22.68	**455**	**279.372**

	2. Gabion structures.	No.	-	-	-	-	-	-	-	-		
	3. Percolation Tank.	No.	Nil		Nil		Nil		Nil			
	4. Gully Plug / Nala Bund / Earthen Checkdam	CMT	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil		
	4a- Water storing capacity	Cub. M	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil		
	4b- Area proposed for irrigation by Nala Bund		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil		
	Total		**-**	**113.764**	**-**	**168.281**	**-**	**127.045**	**-**	**110.546**		**1141.45**
	Silvi-postoral System											
	A. Trees + Grasses											
	1. Sirash - Stylo hamata & Cencrush (1:1)	ha.	1	0.250	1	0.250	1	0.250			08	2.000
	3. Subabul - Stylo hamata & Cencrush (1:1)	ha	1	0.250	1	0.250	1	0.250			08	2.000
	B. Grasses species											
	1. Hetropogon / Crysopogon (On bund)	Sq M	2500	0.120	2500	0.120	2500	0.120			20000	0.960
	2. Cencrush (On bund)	Sq M	2500	0.120	2500	0.120	2500	0.120			20000	0.960
	3. Dina Nath grass (On bund)	Sq M	2500	0.120	2500	0.120	2500	0.120			20000	0.960
	Total			**0.860**		**0.860**		**0.860**			**-**	**6.880**
II	**Livelihood for landless People**											
	1. Goatary	No. of SHGs/ No. of beneficiaries	8/80	2.00	11/120	2.51	12/120	3.02			83/840	20.53
	2. Back Yard Poultry	do	20/200	0.90	20/200	0.90	12/120	0.53			140/1200	6.276
	3. Poultry (Broiler)	do	10/100	2.42	9/90	2.37	5/50	1.25			66/560	16.374
	4. Black Smithy	do	1/10	0.13	1/10	0.13	1/10	0.13			8/80	0.975
	5. Rope Making (Linseed)	do	1/10	0.11	1/10	0.11	1/10	0.11			8/80	0.855
	6. Tailoring	do	1/10	0.25	1/10	0.25	1/10	0.25			8/80	2.000
	7. Repairing of Diesel Engine / Implements	do	1/10	0.15	1/10	0.15	1/10	0.15			8/80	1.200
	8. Vermi composting	do	5/50	1.44	5/50	1.25	4/40	1.00			38/380	9.684
	9. Fruit Processing	do	1/10	0.25	1/10	0.25	1/10	0.25			8/80	2.000
	10. Mini Dal Mill	do	1/10	0.25	1/10	0.25	1/10	0.25			8/80	2.000
	11. Mini flour Mill	do	1/10	0.25	1/10	0.25	1/10	0.25			8/80	2.000
	12. Mini Oil Expeller	do	1/10	0.25	1/10	0.25	1/10	0.00			8/80	1.500
	13. Carpentry	do	1/10	0.25	1/10	0.25	1/10	0.00			8/80	1.500
	Total		**56/560**	**8.65**	**55/550**	**8.92**	**38/380**	**7.19**				**66.8952**
III	**Agriculture Production System**											

	A- Crop Demonstrations- (Crop Wise)											
	(1)SMC Area:											
	1. Lentil (ICM)	No. of farmers /Area (ha)	30/15	0.705	12/6	0.282	20/10	0.470			162/81	3.807
	2. Chickpea (ICM)	No. of farmers /Area	20/10	0.80	10/5	0.40	10/5	0.400			120/60	3.80
	3. Field Pea (ICM)	No. of farmers /Area	0	0.00	0	0.00	0	0			80/40	2.30
	4. Linseed (ICM)	No. of farmers /Area	5/2.5	0.20	5/2.5	0.20	5/2.5	0.200			75/375	1.50
	5. Mustard (ICM)	No. of farmers /Area	0	0.00	10/5	0.14	0	0.000			30/15	0.42
	6. Til (IPNM)	No. of farmers /Area	10/5	0.20	10/5	0.20	10/5	0.200			80/40	1.48
	7. Urd (ICM)	No. of farmers /Area	10/5	0.40	10/5	0.40	10/5	0.400			90/45	2.25
	8. Sorghum (ICM)	No. of farmers /Area	5/2.5	0.20	5/2.5	0.20	5/2.5	0.200			55/27.5	1.32
	9. Arhar (ICM)	No. of farmers /Area	4/2	0.16	4/2	0.16	4/2	0.160			72/36	1.38
	10. Wheat	No. of farmers /Area	20/10	0.58	20/10	0.58	20/10	0.5782			160/80	4.64
	Total		**104/52**	**3.245**	**86/43**	**2.562**	**84/42**	**2.61**			**924/462**	**22.897**
	(2) Water Resource Area:											
	B- Production of seeds											
	1. Lentil	No. of farmers /Area	10/5	0.300	10/5	0.300	10/5	0.3000			80/40	2.400
	2. Chickpea	No. of farmers /Area	12/6	0.600	6/3	0.600	6/3	0.6000			60/30	3.800
	3. Field Pea	No. of farmers /Area	4/2	0.160	0	0.000	4/2	0.1600			24/12	0.960
	4. Linseed	No. of farmers /Area	8/4	0.150	8/4	0.150	8/4	0.1500			64/32	1.20
	5. Mustard	No. of farmers /Area	0	0.000	0	0.000	0	0.0000			4/2	0.02
	6. Wheat	No. of farmers /Area	8/4	0.100	8/4	0.100	8/4	0.1000			64/32	0.80
	7. Til	No. of farmers /Area	4/2	0.012	4/2	0.012	4/2	0.0120			24/12	0.066
	8. Urd	No. of farmers /Area	8/4	0.048	0	0.000	8/4	0.0480			48/24	0.296
	Total		**54/27**	**1.370**	**36/18**	**1.162**	**48/24**	**1.370**			**368/184**	**9.542**
	Agro forestry:-											

	A. Scattered Plantation											
	Species…..											
	1- Aonla	No. of Plants	200	0.120	200	0.120	100	0.060			1180	0.71
	2- Ber	No. of Plants	200	0.100	200	0.100	100	0.050			1180	0.59
	3- Bael	No. of Plants	100	0.060	100	0.060	50	0.030			600	0.36
	4 - Citrus spp..	No. of Plants	100	0.050	100	0.050	100	0.050			650	0.34
	5. Guava	No. of Plants	200	0.120	200	0.120	100	0.060			1180	0.71
	Total		**800**	**0.45**	**800**	**0.45**	**450**	**0.25**			**4790**	**2.71**
	B. Agri-Horticultural System											
	Species											
	1- Aonla	Area in ha	1.5	0.338	1.50	0.338	1.50	0.338			14.30	3.214
	2- Ber	Area in ha	1.0	0.225	1.40	0.315	1.00	0.225			8.70	2.635
	5. Guava	Area in ha	0.8	0.188	1.80	0.423	1.00	0.235			9.60	2.256
	Total		**3.3**	**0.751**	**4.7**	**1.076**	**3.50**	**0.798**			**32.60**	**8.105**
	C Block Plantation/ Orchard											
	Species…..											
	1- Guava (Spacing 8 X 6 M)	Area in ha	1.5	0.187	2.50	0.312	1.50	0.187			12.40	1.556
	2- Ber (Sapcing 8 X 5 M)	Area in ha	1.5	0.188	3.50	0.438	1.50	0.188			13.40	1.804
	3- Aonla (Spacing 8 X 8 M)	Area in ha	1.5	0.140	2.50	0.234	1.50	0.140			14.40	1.164
	Total		**4.5**	**0.515**	**8.50**	**0.984**	**4.50**	**0.515**			**40.20**	**4.524**
	Total for Agro-forestry			**1.716**		**2.51**		**1.563**				**15.339**
	D. Afforestation on Private Land											
	Species											
	1- Teak (Sapcing 4 X 2.5 M)	ha.	0.50	0.290	1.00	0.580	0.50	0.290			9.25	5.37
	2- Shisham (Sapcing 8 X 6 M)	ha.	1.50	0.156	1.50	0.156	1.50	0.156			18.30	1.908
	3. Bael (8 X 8 M)	ha	1.50	0.140	1.50	0.140	1.50	0.140			18.30	1.170
	4. Jamun (Scattered plantation)	No	250	0.150	50	0.030	100	0.060			1350	0.81
	5. Phalsa (On Bund)	Running Meter	1000	0.400	780	0.312	500	0.200			5980	2.392
	Total			**1.136**		**1.218**		**0.846**			**-**	**11.65**
	Grand Total			**2.852**		**3.728**		**2.409**				**26.989**
	Live Stock Management											
	A. Rearing of Milch cattle-											
	1- Cow-	No. of Units / Farmers	60/88	0.012	60/84	0.12	60/88	0.012			480/696	0.304
	2- Buffalloes-	No. of Units / Farmers	2/2	0.2400	2/2	0.2400	2/2	0.2400			16/16	1.92

	3- Goatry-	No. of Units / Farmers	384/35	0.0154	371/30	0.0148	234/24	0.0094			2692/245	0.1396
	4- Poultry-	No. of Units / Farmers	10/10	-	10/10	-	10/10	-			80/80	-
	5- Broiler-	No. of Units / Farmers	5/5	0.2400	5/5	0.2400	5/5	0.2400			37/37	1.80
	6- Layers-	No. of Units / Farmers	5/5	0.2400	5/5	0.2400	5/5	0.2400			37/37	1.80
	7- Piggeries-	No. of Units / Farmers	-	-	-	-	-	-			-	-
	8- Fisheries -	No. of Units / Farmers	2/4	0.18	2/4	0.180	2/4	0.18			14/28	1.26
	9- Dairy -	No. of Units / Farmers	29/5	0.56	20/6	0.400	8/2	0.16			95/25	1.96
	10- Green Fodder	ha/farmer	5/10	0.400	5/10	0.400	5/10	0.400			40/80	3.29
	Total		**502/164**	**1.8874**	**475/156**	**1.8348**	**331/150**	**1.4814**			**3491/1244**	**12.4736**
	B. Veterinary Services/											
	1- Vaccination/Medication	No. of Animals	890	0.0445	876	0.0438	559	0.02795			6281	0.31625
	2- Infertility Management	No. of Animals	890	0.0356	876	0.03504	559	0.02236			6281	0.26300
	Total		**1780**	**0.0801**	**1752**	**0.07884**	**1118**	**0.05031**			**12562**	**0.57925**
	C. Live stock Improvement Measures											
	1- Artificial Insemination	No. of Animals	356	0.178	350	0.1752	224	0.1118			2513	1.265
	2- Natural Service.	He Buffalo	1	0.24	1	0.24	1	0.24			8	1.920
	Total		**357**	**0.418**	**351**	**0.4152**	**225**	**0.3518**			**2521**	**3.185**
	Total for Live Stock Management			**2.385**		**2.329**		**1.883**				
	Total for Ag. Production System			**10.346**		**9.975**		**8.601**				**75.66585**
	Grant Total IWMP-II											**1298.996**

Note: The budget available under IWMP-II is Rs. 784.80 lakh, however, the activities are planned for the Rs. 1298.996. The deficit of Rs. 495.196 will be making up through convergence of different development schemes of central and state govt.

CHAPTER - 6

CAPACITY BUILDING PLAN

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

Table 6.1: List of identified training institutes for capacity building

Sr. No.	Name of the Training Institute	Full Address with contact no, website & e-mail	Designation of the Head of Institute	Type of Institute	Area(s) of specialization	No. of training assigned	No. of persons to be trained	Allocation to be made to the institute
1.	Krishi Vigyan Kendra	P.O. Bhojla, Unnao Bala ji Road, Bharari, Jhansi, Phne No 05102792282	Programme Coordinator	Agriculture University	Extension Agronomy Home Science Soil Science	16	800	Proposal with budget will be received
2.	National Research Center for Agro-Forestry	Glalior Road, Jhansi	Director	GOI, (ICAR)	Agro-forestry and NRM on watershed basis	16	800	-do-
3	District Gram Vikash Sansthan	Vikash Bhawan, Jhansi	Coordinator	State Govt.	Small scale	4	100	-do-
4	Indian Institute of Grass Land	Gwalior Road, Jhansi	Director, Jhansi	GoI (ICAR)	Grasses and fodder	4	100	-do-
5	Deptt. Of Horticulture	Mision Compound, Jhansi	Deputy Director	State Govt.	Fruit and Vegetable Production	2	50	-do-

Project - IWMP-II **PIA- LDWR,Moth- Jhansi** **District-Jhansi**

CAPACITY BUILDING ANNUAL ACTION PLAN

S. No.	Total No. of Stakeholders	Total Nos of Persons/Members	Physical And Financial Planning																			
			I[st] Year				II[nd] Year				III[rd] Year				IV[th] Year				V[th] Year			
			Phy.	Nos. of Trgs. Days	Nos. of Persons to be trained	Amount	Phy.	Nos. of Trgs. Days	Persons to be trained	Amount	Phy.	Nos. of Trgs. Days	Persons to be trained	Amount	Phy.	Nos. of Trgs. Days	Persons to be trained	Amount	Phy.	Nos. of Trgs. Days	Persons to be trained	Amount
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
1	SLNA	10	10	2	30	0.75	10	3	30	0.25	10	3	2	0.25	0	3	2	0.00	50	12	8	1.25
2	WCDC	15	15	2	30	0.75	40	2	80	1.12	50	2	2	1.25	42	2	2	1.05	162	8	8	4.17
3	PIA	10	10	1	10	0.30	10	1	10	0.15	16	1	1	0.24	10	1	1	0.15	56	4	4	0.84
4	WDT	6	6	4	24	1.14	45	4	1	2.14	40	4	1	1.90	30	4	1	1.43	139	16	4	6.60
5	WC	90	90	2	180	0.36	90	2	1	0.36	90	2	1	0.36	30	2	1	0.12	300	8	4	1.20
6	SHG	130	130	2	260	6.875	170	2	1	4.68	250	2	1	6.88	40	2	1	1.10	710	8	4	19.53
7	UGs	1065	2	1	2130	4.26	200	2	1	0.40	450	2	1	0.90	40	2	1	0.08	2820	8	4	5.64
8	Others Specify	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	1325	16	09	2494	14.44	5058	16	09	9.09	830	16	09	11.78	140	16	09	3.93	4237	64	36	39.23

Table 6.2: Training to stakeholders on participatory watershed management

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

					to successful watershed	

CHAPTER - 7

PHASING OF PROGRAMME AND BUDGETING

7.1 Monitoring and Evaluation

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

Plan for Evaluation

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

Theme

It is presumed that as a consequence of watershed development activities there will be noticeable change in socio-economic status of inhabitants, cropping intensity, ground water recharge, crop diversification, fuel, fodder and small timber availability, livestock composition and milk production, etc. These indicators can be gauged over bench mark data both at the beginning and at the end of the project within the watershed.

Observations

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

- Duration of availability of drinking water/irrigation and groundwater recharge
- Irrigation frequency and area under irrigation
- Changes in cropping pattern and cropping systems in the farmers fields along with productivity and incomes
- Soil health
- Satellite monitoring for vegetation cover and other parameters
- Fuel, fodder and small timber availability
- Livestock composition and productivity
- Periodic pest and disease monitoring will be done in major crops
- Socio-economic aspects including resource inventory
- Following indices will also be worked out as qualitative indicators of the watershed development:
- Land Improvement Index (LII)

- Crop Diversification Index (CDI)
- Cultivated Land Utilization Index (CLUI)
- Crop Fertilization Index (CFI)
- Induced Watershed Eco-Index (IWEI)

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

7.2 Annual Action Plan (AAP)

Physical and financial targets and outlays and their year wise break ups are given Table 7.1. Year wise financial phasing for the budget available (Rs. 743.28 lakh) with IWMP-II, district Jhansi is given in Table 7.2.

Table 7.1: Physical and financial targets and outlays and their year wise break ups of IWMP-II, Moth, Jhansi

Project - IWMP-II					**PIA-**		**LDWR, Jhansi - II**				**District-**	**Jhansi**
			First Year		**Second Year**		**Third Year**		**Fourth Year**			
S. No	**Physical and financial targets**	**unit**	**2010-11**		**2011-12**		**2012-13**		**2013-14**		**Total Project**	
			Physical	**Financial**	**Physical**	**Financial**	**Physical**	**Financial**	**Physical**	**Financial**	**Physical**	**Financial**
1	2	3	4	5	6	7	8	9			10	11
1	Administration			14.8656		37.164		11.1492		11.1492		74.328
2	Monitoring			1.48656		3.7164		1.11492		1.11492		7.4328
3	Evaluation			2.22984		1.48656		1.11492		2.60148		7.4328
4	**Entry point activities**	No.										
	(1) Planned		18	29.7312	0	0	0	0	0	0	18	29.7312
	(a) No. of Activities	No.	18	0	0	0	0	0	0	0	18	0
	(b) No. of beneficiaries	No.	4500	0	0	0	0	0	0	0	4500	0
	(2) Executed		18	0	0	0	0	0	0	0	18	0
	(c) No. of Activities	No.	18	0	0	0	0	0	0	0	18	0
	(d) No. of beneficiaries	No.	4500	0	0	0	0	0	0	0	4500	0
5	**Institutional & Capacity Building**											
	(1) No. of Persons to be trained		2790	22.2984	930	7.4328	930	7.4328			4650	37.164
	(a) SLNA level	No.	2 x 2 x 20	1.600	2 x 2 x 20	1.600	2 x 2 x 20	1.600			240	4.800
	(b) District level	,,	2x 2 x 100	2.400	2x 2 x 100	2.400	2x 2 x 100	2.400			600	7.200

	(c) WDT level	,,	3x 3x 4	0.216	3x 3x 4	0.216	3x 3x 4	0.216			36	0.648
	(d) WC level	,,	3x3x250	18.0824	3x2x50	3.2168	3x2x50	3.2168			4086	24.516
	(2) No. of total persons trained											
	(a) SLNA level	No. of stake holders	-	-	-	-	-	-	-	-	-	-
	(b) District level	,,	-	-	-	-	-	-	-	-	-	-
	(c) WDT level	,,	1x3x4	0.072	-	-	-	-	-	-	12	0.072
	(d) WC level	,,	1200	7.800	-	-	-	-	-	-	1200	7.800
6	**DPR Preparation**	MWS No.	8	7.4328	-	-	-	-	-	-	8	7.4328
7	**Watershed Development Works**											
	(1) SMC	Ha.	465	29.146	3097	194.308	1858	116.585	774	48.577	6194	388.616
	(2) Water Resource Development											
	(a) Structures	No.	5	30.983	34	206.551	21	123.931	12	51.638	72	413.102
	(b) Storage capacity	cum	35000	-	237800	-	146900	-	83800	-	503500	-
	(c) Life saving irrigation area	Ha.	59.40		404.20		250.00		142.40		856.00	
	(d) User Groups	No.	14		95		59		34		202	
	(4) Afforestation / Pasture development											
	(a) Area	Ha.	0	0	4	1.000	8	2.000	4	1.000	16	4.000
	(b) No. of Plants	No.	0	0	8000	0.384	40000	1.920	12000	0.576	60000	2.880
	(c) User Groups	No.			1		5		2		8	
	(5) Afforestation onPrivate Land											
	(a) Area	ha			4.585	0.845	20.633	3.8016	20.633	3.8016	45.850	8.448
	(b) No. of Plants	No			135	0.081	608	0.3645	608	0.3645	1350	0.81
	(c) Phalasa	R.M.			598	0.2392	2691	1.0764	2691	1.0764	5980	2.392
8	**Production system**											
	(1) Agriculture											
	(a) Crop demonstration											

	(1) No. of dem.	No.	92	2.290	416	10.304	416	10.304			924	22.897
	(2) Area	Ha.	46		208		208					
	(b) Seed Production											
	(1) No. of dem.	No.	37	0.954	166	4.294	166	4.294			368	9.542
	(2) Area	Ha.	18.4		82.8		82.8				184	
	(2) Horticulture/ Agri-Horticulture											
	(a) Area	Ha.	3.26	0.811	14.67	3.647	14.67	3.647			32.6	8.105
	(b) No. of Plants	No.										
	(3) Agro- forestry											
	(a) Scattered Plantation											
	(i) No. of plants	No.	479	0.271	2156	1.2195	2156	1.2195			4790	2.71
	(c) Block Plantation											
	(i) Area	ha	4.02	0.452	18.09	2.036	18.09	2.036			40.2	4.524
	(4) Animal husbandry											
	(a) Green fodder	Ha./no. farmer	4/8	0.329	16/32	1.316	16/32	1.316	4/8	0.329	40/80	3.29
	(b) Rearing of milch cattle											
	(i) Cow	No. of unit/ farmer no.	48/70	0.0304	192/278	0.1216	192/278	0.1216	48/70	0.0304	480/696	0.304
	(ii) Buffalows	No. of unit/ farmer no.	0	0	8	0.96	8	0.96			16	1.92
	(c) Goatary	,,	269/25	0.014	1077/98	0.056	1077/98	0.056	269/25	0.014	2692/245	0.1396
	(d) Poultry	,,	4	0.36	15	1.44	15	1.44	4	0.36	38/38	3.6
	(e) Fisheries		0	0	3	0.252	6	0.504	6	0.504	15/30	1.26
	(f) Dairy		10	0.196	38	0.784	38	0.784	10	0.196	95	1.96
	(g) Health camps	No.	1256	0.058	3769	0.174	3769	0.174	3769	0.174	12562	0.57925
	(h) Artificial insemination	No. of animals	377	0.190	880	0.443	880	0.443	377	0.190	2513	1.265
	(i) Natural service bull	No.	-	-	8	1.92	-	-	-	-	8	1.92

	(5) Micro Interprises											
	(a) No. of units	No.	-	-	2	4.00	-	-	-	-	2	4.00
	(b) No. of beneficiaries	No.			25							
	(c) Income per year	Rs.			2.500							
9	**Livelihood activities through SHG's**											
	(1) Activity Goatary											
	(a) No. of SHG's	No.	17	4.106	29	7.186	29	7.186	8	2.053	83	20.530
	(b) No. of members	No.	168		294		294		84		840	
	(c) Estimated income per year	Rs.	13.28		23.24		23.24		6.64			
	(2) Activity- Back Yard Poultry											
	(a) No. of SHG's	No.	14	0.628	63	2.824	63	2.824	0	0	140	6.276
	(b) No. of members	No.	120		540		540				1200	
	(c) Estimated income per year	Rs.	3.50		15.75		15.75					
	(3) Activity- Poultry , Broiler											
	(a) No. of SHG's	No.	8	1.965	25	6.222	33	8.187	0	0	66	16.374
	(b) No. of members	No.	67		213		280				560	
	(c) Estimated income per year	Rs.	5.94		18.81		24.75					
	(4) Black Smithy											
	(a) No. of SHG's	No.	0	0	8	0.975	0	0	0	0	8	0.975
	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	
	(c) Estimated income per year	Rs.	0	0	4.4	0	0	0	0	0		
	(5) Rope making											
	(a) No. of SHG's	No.	0	0	8	0.855	0	0	0	0	8	0.855
	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	0
	(c) Estimated income per year	Rs.	0	0	3.6							
	(6) Tailoring											

	(a) No. of SHG's	No.	0	0	8	2.000	0	0	0	0	8	2.000
	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	
	(c) Estimated income per year	Rs.	0	0	5.44	0	0	0	0	0		
	(7) Implements repair											
	(a) No. of SHG's	No.	0	0	8	1.200	0	0	0	0	8	1.200
	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	
	(c) Estimated income per year	Rs.	0	0	6.4	0	0	0	0	0		
	(8) Vermi Composting											
	(a) No. of SHG's	No.	8	1.937	15	3.874	15	3.874			38	9.684
	(b) No. of members	No.	80		150		150					
	(c) Estimated income per year	Rs.	8.96		16.8		16.8					
	(9) Food processing											
	(a) No. of SHG's	No.	0	0	8	2.000	0	0	0	0	8	2.000
	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	
	(c) Estimated income per year	Rs.	0	0	6.4							
	(10) Mini Dal Mill											
	(a) No. of SHG's	No.	0	0	8	2.000	0	0	0	0	8	2.000
	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	
	(c) Estimated income per year	Rs.	0	0	6.4							
	(11) Mini Flour Mill											
	(a) No. of SHG's	No.	0	0	8	2.000	0	0	0	0	8	2.000
	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	
	(c) Estimated income per year	Rs.	0	0	6.4							
	(12) Mini Oil Expeller											
	(a) No. of SHG's	No.	0	0	8	1.500	0	0	0	0	8	2.000
	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	
	(c) Estimated income per year	Rs.	0	0	5.2							
	(13) Carpentry											

	(a) No. of SHG's	No.	0	0	8	1.500	0	0	0	0	8	2.000
	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	
	(c) Estimated income per year	Rs.	0	0	6.00							
	(14) Others (specify)											
10	**Consolidation & Withdrawl Phase activities**		0	0	0	0	0	0	0	22.300	0	22.300
										Grand Total	623381.7	1135.642

Table 7.2: Year wise financial phasing (Rs in Lakh) Project- IWMP-II, LDWR- Moth Jhansi

Particulars	1st Year	2nd Year	3rd Year	4th Year	Total
Administrative Cost-10%	15.70	39.24	11.77	11.77	78.48
Monitering-1%	1.57	3.92	1.18	1.18	7.85
Evalution-1%	1.5696	3.1392	1.5696	1.5696	7.848
Entry Point Activity-4%	31.392	0	0	0	31.392
Institution & Capacity Building-5%	19.62	9.81	9.81	0	39.24
DPR-1%	7.848	0	0	0	7.848

Watershed Dev. Work-56%	32.96	230.73	175.7952	0	439.49
Livelihood Activity-9%	21.1896	28.2528	21.1896	0	70.632
Production System & Micro enterprises-10%	15.696	31.392	31.392	0	78.48
Consolidation-3%	0	0	0	23.544	23.544
Total	**147.54**	**346.49**	**252.71**	**38.06**	**784.80**

7.3 Details of Convergence

The details of convergence of different developmental schemes are given Chapter 5.

7.4 Benefit Cost Analysis

Benefit cost analysis for Baswaha micro-watershed and for the project were given in Table 7.3 and 7.4, respectively. Similar analysis for each micro-watershed was also carried out and kept in respective project file. The overall B:C ratio for pre and post project is 1.86 and 2.42, respectively.

Table 7.3: Micro-watershed wise benefit cost analysis of IWMP-II, Moth-Jhansi

MWS Name- Baswaha											
Present Situation											
S. No.	**Name of Crop (Season wise)**	**Area (ha)**	**Production (quintal)**	**Productivity q/ha**	**Cost/ ha**	**Rate Rs/q**	**Gross Return Rs**	**Total Cost Rs**	**Net Return**	**Net Return /ha**	**B:C Ratio**
1	Urd	40.9	184.05	4.5	9500	5500	1012275	388550	623725	15250	2.4
2	Moong	61.35	269.94	4.4	9200	5800	1565652	564420	1001232	16320	2.8
3	Arhar	81.8	466.26	5.7	11800	6000	2797560	965240	1832320	22400	2.9
4	Sorghum	73.62	220.86	3	4500	2600	574236	331290	242946	3300	2
5	Til	89.98	161.964	1.8	4200	7000	1133748	377916	755832	8400	2.7
	Total	**384.63**	0								
1	Wheat	163.6	2863	17.5	12500	1800	5153400	2045000	3108400	19000	2.4
2	Barley	4.09	58.487	14.3	6500	1200	70184.4	26585	43599.4	10660	2.7

3	Masoor	294.48	1295.712	4.4	9500	4200	5441990.4	2797560	2644430.4	8980	2.1
4	Gram	147.24	780.372	5.3	8560	2800	2185041.6	1260374.4	924667.2	6280	1.7
5	Field Pea	73.62	588.96	8	8240	2400	1413504	606628.8	806875.2	10960	2.3
	Total	**683.03**	**6593.87**				**24572712**	**10734523**	**13838189**		
	Net Cultivable area in MWS	683.03	5586.531		Over All B:C	2.29					
	Cropping Intensity	130.03									
	Cultivable Area (ha)	775.54									
	Total Number of Farm Families in MWS	**506**									
		347.65									
	Net Return per Household	24685.65									

Expected Out come

S. No.	Name of Crop (Season wise)	Area (ha)	Production (quintal)	Productivity q/ha	Cost/ ha	Rate Rs/q	Gross Return Rs	Total Cost Rs	Net Return	Net Return /ha	B:C Ratio
1	Urd	61.09	320.71	5.25	9500	5500	1763902	580331	1183570	19375	3.0
2	Moong	91.64	504.01	5.50	9200	5800	2923252	843070	2080183	22700	3.5
3	Arhar	113.13	820.16	7.25	11800	6000	4920938	1334875	3586063	31700	3.7
4	Sorghum	93.67	398.09	4.25	4500	2600	1035026	421504	613522	6550	2.5
5	Til	124.44	248.88	2.00	4200	7000	1742125	522638	1219488	9800	3.3
	Total	**483.96**	**2291.84**								
1	Wheat	179.35	3699.09	20.63	12500	1800	6658369	2241875	4416494	24625	3.0
2	Barley	6.57	119.88	18.25	6500	1200	143850	42695	101155	15400	3.4
3	Masoor	417.02	2502.14	6.00	9500	4200	10509005	3961728	6547277	15700	2.7

4	Gram	192.22	1249.44	6.50	8560	2800	3498440	1645420	1853020	9640	2.1
5	Field Pea	101.81	992.67	9.75	8240	2400	2382413	838935	1543478	15160	2.8
	Total	**896.98**	**8563.23**				35577319	12433071	23144248	25802	2.9
	Net Cultivable area in MWS	810.51			Over All B:C	2.86					
	Cropping Intensity	155.90									
	Cultivable Area (ha)	905.00									
	Total Number of Farm Families in MWS	**547.00**									
	Net Return per Household	42311.24									
	Present situation										
	Particulars	**Cows**	**Buffaloes**	**Goat**	**Bullocks**						
	Total Animals in Micro watershed Area	210	184	384	111						
	Milking Animals	80	105	45							
	Average Milk Production Lit. / day	126.4	520.8	140							
	Average Milk Production /Animal/ day	1.58	3.86	0.32							
	Sale of Milk per day (Rs) @ Rs 15/Lit	1896	7812	2100							
	Average 150 day milking days & Goat 90 days in a year (Total Rs)	**284400**	**78120**	**12600**							
	Meat Animals			120							
	Average rate of one kids Rs			2500							
	Total Sale in a year Rs			**300000**							
	Working Animals (Bullocks)				111						
	One year work one agriculture fields 180 days @ 200/ day (One pair)				36000						
	Total Work value of all working animals				**1998000**						

	Total value earned by animals in a year				**2673120**						
	Total INCOME/FAMILY	507			4886.87						
	Total Expenditure / family				3620						
	B:C Ratio				1.35						
		Projected Situation									
	Particulars	**Cows**	**Buffaloes**	**Goat**	**Bullocks**						
	Total Animals in Micro watershed Area	210	184	461	111						
	Milking Animals	80	105	45							
	Average Milk Production Lit. / day	176	567	27							
	Average Milk Production /Animal/ day	2.2	5.4	0.6							
	Sale of Milk per day (Rs) @ Rs 15/Lit	2640	8505	405							
	Average 150 day milking days & Goat 90 days in a year (Total Rs)	**396000**	**85050**	**2430**							
	Meat Animals			180							
	Average rate of one kids Rs			2800							
	Total Sale in a year Rs			**504000**							
	Working Animals (Bullocks)				111						
	One year work one agriculture fields 180 days @ 200/ day (One pair)				44000						
	Total Work value of all working animals				**2442000**						
	Total value earned by animals in a year				**3429480**						
	Total INCOME/FAMILY	547			6269.62						
	Total Expenditure / family				3620						

	B:C Ratio				1.73						
	Net Income / Family	**Present**	**Projected**								
	Agriculture	25298	42311								
	Animal Husbandry	4887	6270								
	Total (Ag+AH)	**30185**	**48581**								
	Over All B:C of MWS										
	Agriculture	2.29	2.86								
	Animal Husbandry	1.35	1.73								
	Over All B: C MWS	**1.82**	**2.30**								

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

Table 7.4 : Outcomes & Benefit cost analysis of IWMP-II, Moth-Jhansi

Total IWMP- I		
Net Income / Family	**Present**	**Projected**
Agriculture	26285	44254
Animal Husbandry	5084	7044
Total (Ag+AH)	**31369**	**51298**
Over All B:C of MWS		
Agriculture	2.32	2.90
Animal Husbandry	1.40	1.95
Over All B: C MWS	**1.86**	**2.42**
Livelihood option (SHGs/ Individuals)	**Nil**	**66.00 Lacks / year**
Long term (Agroforestry, Horticulture etc)	**Nil**	**105.00 lakhs / year**

CHAPTER - 8

CONSOLIDATION AND WITHDRAWAL STRATEGY

8. Consolidation and Withdrawal Strategy

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

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

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

The completion report will reflect the development on following aspects:

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

CHAPTER - 9

EXPECTED PROJECT OUTCOME

9.1 Employment Generation and Checking Migration

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

Due to watershed management the cropping intensity will be increased by around 20 per cent, in turn acreage in agricultural activities will be increased by about 1238 ha. Therefore, an additional employment of about 123800 man days will be generated annually. Therefore, no migration in search of livelihoods is expected after implementation of watershed programme.

9.2 Other Expected Outcome*

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

- Runoff will be reduced by about 30 per cent, however soil and nutrient loss may be reduced up to 40 per cent from the watershed.
- Irrigation intensity may be increased to 40 per cent from present 3 per cent life saving irrigation.
- Surface water in nallah may be available for more than 8 months against 4-5 months at present.
- Average ground water recharge of about 4 m may be easily obtained after implementation of the programme
- Productivity of crops may be increased by about 25 per cent
- Significant saving of seeds may be obtained through crop demonstration with improved package of practices
- During implementation phase about 2,00,000 mandays will be created through the soil and water conservation measures and crop/agroforestry interventions.
- The overall B C ratio of the project is estimated to be 2.42 as compared to the 1.86 in pre project scenario (detailed analysis is given in Chapter 7)

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

9.3 Questions to be answered

This project will answer the following questions :

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

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

Following problems can be tackled in the proposed watershed.

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

ANNEXURE-I
BENEFICIARIES WISE DETAILS OF DEVELOPMENTAL ACTIVITIES

Beneficiary wise details of Proposed / Planned W/S Development Activities (Individual)

G. P. - Sujuwa				**IWMP-II - MWS Name - Baswaha**											
Sr. No.	**Name of the beneficiary**	**Caste SC-ST/Others**	**Khasara No.**	**Area (ha)**	**Activity (Proposed)**	**Length (M)**	**Breadth (Cm)**	**Top width (Cm)**	**Height (Cm)**	**Cross Section (m2)**	**E.W. (Cum)**	**Rate per (Cum)**	**Safe structure No. & cost**	**Total Cost (Rs lacs.)**	**Contribution in shape of Lab/cash**
BASWAHA															
1			596		SBA_1	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
2			687		SBA_2	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
3			636		SBA_3	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
4			647		SBA_4	100	4.20	0.60	1.20	2.88	288.00	49.47	0	0.142	0.011
5			612		SBA11	150	4.20	0.60	1.20	2.88	432.00	49.47	0	0.214	0.016
6			666		SBA12	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
7			661		SBA13	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
8			689		WHBA1	400	9.50	2.00	2.50	14.38	5750.00	57.55	0	3.309	0.248
			670												
9			5		SBB1	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
10			41		SBB2	400	4.20	0.60	1.20	2.88	1152.00	49.47	0	0.570	0.043
11			138		SBB3	450	4.20	0.60	1.20	2.88	1296.00	49.47	0	0.641	0.048
12			114		SBB8	550	4.20	0.60	1.20	2.88	1584.00	49.47	0	0.784	0.059
13			75		SBB9	150	4.20	0.60	1.20	2.88	432.00	49.47	0	0.214	0.016
14			111		SBB10	350	4.20	0.60	1.20	2.88	1008.00	49.47	0	0.499	0.037
15			64		WHBB1	275	9.50	2.00	2.50	14.38	3953.13	57.55	0	2.275	0.171
			85												
16			671		GPB1	100	9.50	2.00	2.50	14.38	1437.50	57.55	0	0.827	0.062
			674												
17			3		SBC1	150	4.20	0.60	1.20	2.88	432.00	49.47	0	0.214	0.016
18			496		SBC2	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
			8		SBC3	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
19			22		SBC4	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
20			512		SBC5	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029

21			480		SBC6	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
22			519		SBC7	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
23			475		SBC8	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
24			526		SBC9	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
25			61		SBC10	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
26			106		SBC11	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
27			81		SBC12	300	5.00	0.80	1.40	4.06	1218.00	49.47	0	0.603	0.045
28			85		SBC13	300	5.00	0.80	1.40	4.06	1218.00	49.47	0	0.603	0.045
29			136		SBC14	400	5.00	0.80	1.40	4.06	1624.00	49.47	0	0.803	0.060
30			259		SBC15	300	5.00	0.80	1.40	4.06	1218.00	49.47	0	0.603	0.045
31			247		SBC16	400	5.00	0.80	1.40	4.06	1624.00	49.47	0	0.803	0.060
32			118		SBC17	212	5.00	0.80	1.40	4.06	860.72	49.47	0	0.426	0.032
33			156		SBC18	650	5.00	0.80	1.40	4.06	2639.00	49.47	0	1.306	0.098
34			526		SBC19	400	5.00	0.80	1.40	4.06	1624.00	49.47	0	0.803	0.060
35			549		SBC20	500	5.00	0.80	1.40	4.06	2030.00	49.47	0	1.004	0.075
36			538		SBC21	350	5.00	0.80	1.40	4.06	1421.00	49.47	0	0.703	0.053
37			576		SBC22	500	5.00	0.80	1.40	4.06	2030.00	49.47	0	1.004	0.075
38			538		SBC23	350	5.00	0.80	1.40	4.06	1421.00	49.47	0	0.703	0.053
39			592		SBC24	380	5.00	0.80	1.40	4.06	1542.80	49.47	0	0.763	0.057
40			597		SBC26	600	5.00	0.80	1.40	4.06	2436.00	49.47	0	1.205	0.090
41			641		SBC27	450	4.20	0.60	1.20	2.88	1296.00	49.47	0	0.641	0.048
42			859		SBC28	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
43			886		SBC29	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
44			1000		SBC30	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
45			1010		SBC31	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
46			1084		SBC32	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
47			989		SBC33	150	4.20	0.60	1.20	2.88	432.00	49.47	0	0.214	0.016
48			987		SBC34	50	4.20	0.60	1.20	2.88	144.00	49.47	0	0.071	0.005
49			1070		SBC47	600	4.20	0.60	1.20	2.88	1728.00	49.47	0	0.855	0.064
50			1045		SBC48	350	4.20	0.60	1.20	2.88	1008.00	49.47	0	0.499	0.037
51			883		SBC49	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
52			1028		SBC50	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021

53			812		SBC51	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
54			810		SBC52	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
55			771		SBC53	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
56			563		GPC1	100	11.50	2.50	3.00	21.00	2100.00	61.30	0	1.287	0.097
57			776		CDC1	100	11.50	2.50	3.00	21.00	2100.00	61.30	0	1.287	0.097
58			629		CDC2	100	11.50	2.50	3.00	21.00	2100.00	61.30	0	1.287	0.097
	Total					**17717**					**72582.91**			**37.549**	**2.816**
				MNREGA WORK											
Sr. No.	**Name of the beneficiary**	**Caste SC-ST/Others**	**Khasara No.**	**Area (ha)**	**Activity (Proposed)**	**Length (M)**	**Breadth (Cm)**	**Top width (Cm)**	**Height (Cm)**	**Cross Section (m2)**	**E.W. (Cum)**	**Rate per (Cum)**	**Safe structure No. & cost**	**Total Cost (Rs.)**	**Contribution in shape of Lab/cash**
BASWAHA															
1			594		CBA1	300	3.50	0.50	1.00	2.00	600.00	69.66	0	0.418	0.031
2			586		CBA2	150	3.50	0.50	1.00	2.00	300.00	69.66	0	0.209	0.016
3			619		SBA5	350	4.10	0.50	1.20	2.76	966.00	69.66	0	0.673	0.050
4			650		SBA6	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
5			604		SBA7	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
6			608		SBA8	250	4.10	0.50	1.20	2.76	690.00	69.66	0	0.481	0.036
7			623		SBA9	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
8			654		SBA10	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
9			596		CBB1	250	3.50	0.50	1.00	2.00	500.00	69.66	0	0.348	0.026
10			134		CBB2	400	3.50	0.50	1.00	2.00	800.00	69.66	0	0.557	0.042
11			131		CBB3	400	3.50	0.50	1.00	2.00	800.00	69.66	0	0.557	0.042
12			48		SBB4	150	3.50	0.50	1.00	2.00	300.00	69.66	0	0.209	0.016
13			34		SBB5	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
14			44		SBB6	450	4.10	0.50	1.20	2.76	1242.00	69.66	0	0.865	0.065
15			121		SBB7	450	4.10	0.50	1.20	2.76	1242.00	69.66	0	0.865	0.065
16			119		SBB8	300	3.50	0.50	1.00	2.00	600.00	69.66	0	0.418	0.031
17			26		CBC1	100	3.50	0.50	1.00	2.00	200.00	69.66	0	0.139	0.010
18			500		CBC2	200	3.50	0.50	1.00	2.00	400.00	69.66	0	0.279	0.021
19			481		CBC3	100	3.50	0.50	1.00	2.00	200.00	69.66	0	0.139	0.010
20			831		CBC4	200	3.50	0.50	1.00	2.00	400.00	69.66	0	0.279	0.021

21			1069		CBC5	300	3.50	0.50	1.00	2.00	600.00	69.66	0	0.418	0.031
22			1074		CBC6	350	3.50	0.50	1.00	2.00	700.00	69.66	0	0.488	0.037
23			1240		CBC7	300	3.50	0.50	1.00	2.00	600.00	69.66	0	0.418	0.031
24			1084		CBC8	300	3.50	0.50	1.00	2.00	600.00	69.66	0	0.418	0.031
25			1069		CBC9	650	3.50	0.50	1.00	2.00	1300.00	69.66	0	0.906	0.068
26			899		CBC10	250	3.50	0.50	1.00	2.00	500.00	69.66	0	0.348	0.026
27			743		CBC11	300	3.50	0.50	1.00	2.00	600.00	69.66	0	0.418	0.031
28			843		CBC12	200	3.50	0.50	1.00	2.00	400.00	69.66	0	0.279	0.021
29			721		CBC13	250	3.50	0.50	1.00	2.00	500.00	69.66	0	0.348	0.026
30			719		CBC14	250	3.50	0.50	1.00	2.00	500.00	69.66	0	0.348	0.026
31			1512		CBC15	350	3.50	0.50	1.00	2.00	700.00	69.66	0	0.488	0.037
32			1515		CBC16	150	3.50	0.50	1.00	2.00	300.00	69.66	0	0.209	0.016
33			1599		CBC17	50	3.50	0.50	1.00	2.00	100.00	69.66	0	0.070	0.005
34			606		SBC25	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
35			901		SBC35	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
36			903		SBC36	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
37			907		SBC37	250	4.10	0.50	1.20	2.76	690.00	69.66	0	0.481	0.036
38			980		SBC38	100	4.10	0.50	1.20	2.76	276.00	69.66	0	0.192	0.014
39			852		SBC39	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
40			779		SBC40	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
41			756		SBC41	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
42			845		SBC42	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
43			825		SBC43	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
44			677		SBC44	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
45			780		SBC45	50	4.10	0.50	1.20	2.76	138.00	69.66	0	0.096	0.007
46			1038		SBC46	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
47			162		SBC54	300	4.55	0.50	1.35	3.41	1022.63	69.66	0	0.712	0.053
48			84		SBC55	300	4.55	0.50	1.35	3.41	1022.63	69.66	0	0.712	0.053
49			402		SBC56	200	4.55	0.50	1.35	3.41	681.75	69.66	0	0.475	0.036
50			363		SBC57	200	4.55	0.50	1.35	3.41	681.75	69.66	0	0.475	0.036
51			1085		MBC1	150	3.70	0.70	1.00	2.20	330.00	69.66	0	0.230	0.017
52			1244		MBC2	150	3.70	0.70	1.00	2.20	330.00	69.66	0	0.230	0.017

53			1251		MBC3	250	3.70	0.70	1.00	2.20	550.00	69.66	0	0.383	0.029
54			1031		MBC4	200	3.70	0.70	1.00	2.20	440.00	69.66	0	0.307	0.023
55			1558		MBC5	100	3.70	0.70	1.00	2.20	220.00	69.66	0	0.153	0.011
56			1517		MBC6	150	3.70	0.70	1.00	2.20	330.00	69.66	0	0.230	0.017
57			924		MBC7	300	3.70	0.70	1.00	2.20	660.00	69.66	0	0.460	0.034
58			855		MBC8	300	3.70	0.70	1.00	2.20	660.00	69.66	0	0.460	0.034
59			669		PBC1	100	3.70	0.70	1.00	2.20	220.00	69.66	0	0.153	0.011
60			535		PBC2	100	3.70	0.70	1.00	2.20	220.00	69.66	0	0.153	0.011
61			564		PBC3	100	3.70	0.70	1.00	2.20	220.00	69.66	0	0.153	0.011
62			639		PBC4	50	3.70	0.70	1.00	2.20	110.00	69.66	0	0.077	0.006
63			663		PBC5	350	3.70	0.70	1.00	2.20	770.00	69.66	0	0.536	0.040
64			779		PBC6	150	3.70	0.70	1.00	2.20	330.00	69.66	0	0.230	0.017
65			623		PBC7	150	3.70	0.70	1.00	2.20	330.00	69.66	0	0.230	0.017
66			797		PBC8	150	3.70	0.70	1.00	2.20	330.00	69.66	0	0.230	0.017
67			1254		PBC9	200	3.70	0.70	1.00	2.20	440.00	69.66	0	0.307	0.023
68			463		WHBC1	375	8.90	2.00	2.30	12.54	4700.63	81.90	0	3.850	0.289
69			1542		WHBC2	300	8.90	2.00	2.30	12.54	3760.50	81.90	0	3.080	0.231
70			287		CDC3	100	12.00	3.00	3.00	22.50	2250.00	81.90	0	1.843	0.138
71			1550		CDC4	120	13.50	3.00	3.50	28.88	3465.00	81.90	0	2.838	0.213
	Total					**16745**					**52168.89**			**38.076**	

2. G.P. – Chhiraura Bujurg, IWMP- II MWS Name - Chhiraura Bujurg															
Sr. No.	**Name of the beneficiary**	**Caste SC-ST/Others**	**Khasara No.**	**Area (ha)**	**Activity (Proposed)**	**Length (M)**	**Breadth (Cm)**	**Top width (Cm)**	**Height (Cm)**	**Cross Section (m2)**	**E.W. (Cum)**	**Rate per (Cum)**	**Safe structure No. & cost**	**Total Cost (Rs.)**	**Contribution in shape of Lab/cash**
1			942		SBA1	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
2			954		SBA2	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
3			962		SBA3	350	4.20	0.60	1.20	2.88	1008.00	49.47	0	0.499	0.037
4			971		SBA4	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
5			993		SBA5	500	4.20	0.60	1.20	2.88	1440.00	49.47	0	0.712	0.053
6			992		SBA6	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
7			934		SBA7	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
8			918		SBA8	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
9			900		SBA9	150	4.20	0.60	1.20	2.88	432.00	49.47	0	0.214	0.016
10			911		SBA10	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
11			886		SBA11	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
12			864		SBA12	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
13			881		SBA13	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
14			1002		WHBA1	500	9.50	2.00	2.50	14.38	7187.50	57.55	0	4.136	0.310
15			284		SBB1	600	4.35	0.60	1.25	3.09	1856.25	49.47	0	0.918	0.069
16			329		SBB2	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
17			270		SBB3	150	4.35	0.60	1.25	3.09	464.06	49.47	0	0.230	0.017
18			269		SBB4	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
19			272		SBB5	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
20			305		SBB6	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
21			291		SBB7	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
22			273		SBB8	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
23			429		SBB9	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
24			502		WHBB1	250	9.50	2.00	2.50	14.38	3593.75	57.55	0	2.068	0.155
25			520		WHBC1	100	9.50	2.00	2.50	14.38	1437.50	57.55	0	0.827	0.062

26			47		SBC1	350	4.20	0.60	1.20	2.88	1008.00	49.47	0	0.499	0.037
27			45		SBC2	500	4.20	0.60	1.20	2.88	1440.00	49.47	0	0.712	0.053
28			16		SBC3	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
29			9		SBC4	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
30			26		SBC6	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
31			102		SBC7	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
32			94		SBC8	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
33			32		SBC9	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
34			33		SBC10	400	4.65	0.60	1.35	3.54	1417.50	49.47	0	0.701	0.053
35			284		SBC11	300	4.65	0.60	1.35	3.54	1063.13	49.47	0	0.526	0.039
36			334		SBC12	600	4.65	0.60	1.35	3.54	2126.25	49.47	0	1.052	0.079
37			311		SBC13	600	4.65	0.60	1.35	3.54	2126.25	49.47	0	1.052	0.079
38			340		SBC14	200	4.65	0.60	1.35	3.54	708.75	49.47	0	0.351	0.026
39			286		SBC15	250	4.65	0.60	1.35	3.54	885.94	49.47	0	0.438	0.033
40			312		SBC16	250	4.65	0.60	1.35	3.54	885.94	49.47	0	0.438	0.033
41			285		SBC17	250	4.65	0.60	1.35	3.54	885.94	49.47	0	0.438	0.033
42			270		SBC18	350	4.65	0.60	1.35	3.54	1240.31	49.47	0	0.614	0.046
43			362		SBC25	250	4.65	0.60	1.35	3.54	885.94	49.47	0	0.438	0.033
44			112		WHBC2	250	9.50	2.00	2.50	14.38	3593.75	57.55	0	2.068	0.155
45			119		GPC1	80	8.90	2.00	2.30	12.54	1002.80	57.55	0	0.577	0.043
46			210		CDC1	100	9.50	2.00	2.50	14.38	1437.50	57.55	0	0.827	0.062
47			126		SBD1	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
48			676		SBD2	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
49			99		SBD3	100	4.35	0.60	1.25	3.09	309.38	49.47	0	0.153	0.011
50			92		SBD4	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
51			89		SBD5	450	4.35	0.60	1.25	3.09	1392.19	49.47	0	0.689	0.052
52			48		SBD6	500	4.35	0.60	1.25	3.09	1546.88	49.47	0	0.765	0.057
53			2		SBD7	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
54			21		SBD8	500	4.35	0.60	1.25	3.09	1546.88	49.47	0	0.765	0.057
55			64		SBD13	370	4.35	0.60	1.25	3.09	1144.69	49.47	0	0.566	0.042
56			58		CDD1	100	9.50	2.00	2.50	14.38	1437.50	57.55	0	0.827	0.062
57			675		SBE1	700	4.20	0.60	1.20	2.88	2016.00	49.47	0	0.997	0.075

58			673		SBE2	350	4.20	0.60	1.20	2.88	1008.00	49.47	0	0.499	0.037
59			671		SBE3	650	4.20	0.60	1.20	2.88	1872.00	49.47	0	0.926	0.069
60			680		SBE4	800	4.20	0.60	1.20	2.88	2304.00	49.47	0	1.140	0.085
61			710		SBE5	700	4.20	0.60	1.20	2.88	2016.00	49.47	0	0.997	0.075
62			576		SBE6	400	4.20	0.60	1.20	2.88	1152.00	49.47	0	0.570	0.043
63			538		SBE7	320	4.20	0.60	1.20	2.88	921.60	49.47	0	0.456	0.034
64			63		CDE1	115	11.50	2.50	3.00	21.00	2415.00	61.30	0	1.480	0.111
65			598		CDE2	100	11.50	2.50	3.00	21.00	2100.00	61.30	0	1.287	0.097
	Total					**20785**					**83209.56**			**43.284**	**3.245**
	MNREGA					**MNREGA WORK**									
1			941		CBA1	50	3.50	0.50	1.00	2.00	100.00	69.66	0	0.070	0.005
2			943		CBA2	50	3.50	0.50	1.00	2.00	100.00	69.66	0	0.070	0.005
3			950		CBA3	250	3.50	0.50	1.00	2.00	500.00	69.66	0	0.348	0.026
4			960		CBA4	100	3.50	0.50	1.00	2.00	200.00	69.66	0	0.139	0.010
5			989		CBA5	50	3.50	0.50	1.00	2.00	100.00	69.66	0	0.070	0.005
6			988		CBA6	50	3.50	0.50	1.00	2.00	100.00	69.66	0	0.070	0.005
7			886		CBA7	150	3.50	0.50	1.00	2.00	300.00	69.66	0	0.209	0.016
8			1013		CBA8	100	3.50	0.50	1.00	2.00	200.00	69.66	0	0.139	0.010
9			882		SBA14	350	3.80	0.50	1.10	2.37	827.75	69.66	0	0.577	0.043
10			892		SBA15	350	3.80	0.50	1.10	2.37	827.75	69.66	0	0.577	0.043
11			904		SBA16	250	3.80	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
12			875		SBA17	500	3.80	0.50	1.10	2.37	1182.50	69.66	0	0.824	0.062
13			862		SBA18	550	3.80	0.50	1.10	2.37	1300.75	69.66	0	0.906	0.068
14			827		SBA19	400	3.80	0.50	1.10	2.37	946.00	69.66	0	0.659	0.049
15			828		SBA20	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
16			822		SBA21	230	3.80	0.50	1.10	2.37	543.95	69.66	0	0.379	0.028
17			338		CBB1	200	3.50	0.50	1.00	2.00	400.00	69.66	0	0.279	0.021
18			294		CBB2	200	3.50	0.50	1.00	2.00	400.00	69.66	0	0.279	0.021
19			440		CBB3	100	3.50	0.50	1.00	2.00	200.00	69.66	0	0.139	0.010
20			473		CBB4	100	3.50	0.50	1.00	2.00	200.00	69.66	0	0.139	0.010
21			283		CBB5	100	3.50	0.50	1.00	2.00	200.00	69.66	0	0.139	0.010
22			441		SBB10	80	3.80	0.50	1.10	2.37	189.20	69.66	0	0.132	0.010

23			443		SBB11	250	3.80	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
24			447		SBB12	250	3.80	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
25			460		SBB13	137	3.80	0.50	1.10	2.37	324.01	69.66	0	0.226	0.017
26			468		SBB14	250	3.80	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
27			471		SBB15	300	8.75	1.25	2.50	12.50	3750.00	69.66	0	2.612	0.196
28			476		SBB16	200	8.75	1.25	2.50	12.50	2500.00	69.66	0	1.742	0.131
29			308		MBB1	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
30			288		MBB2	300	3.80	0.50	1.10	2.37	709.50	69.66	0	0.494	0.037
31			274		MBB3	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
32			61		CBC1	250	3.80	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
33			60		CBC2	100	3.80	0.50	1.10	2.37	236.50	69.66	0	0.165	0.012
34			19		CBC3	50	3.80	0.50	1.10	2.37	118.25	69.66	0	0.082	0.006
35			93		CBC4	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
36			248		CBC5	50	3.80	0.50	1.10	2.37	118.25	69.66	0	0.082	0.006
37			4		CBC6	250	3.80	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
38			14		SBC5	522	4.10	0.50	1.20	2.76	1440.72	69.66	0	1.004	0.075
39			281		SBC19	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
40			503		SBC20	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
41			497		SBC21	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
42			500		SBC22	100	4.10	0.50	1.20	2.76	276.00	69.66	0	0.192	0.014
43			480		SBC23	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
44			347		SBC24	350	4.10	0.50	1.20	2.76	966.00	69.66	0	0.673	0.050
45			356		SBC26	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
46			252		SBC27	250	4.10	0.50	1.20	2.76	690.00	69.66	0	0.481	0.036
47			268		SBC28	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
48			384		SBC29	250	4.10	0.50	1.20	2.76	690.00	69.66	0	0.481	0.036
49			228		SBC30	100	4.10	0.50	1.20	2.76	276.00	69.66	0	0.192	0.014
50			247		SBC31	95	4.10	0.50	1.20	2.76	262.20	69.66	0	0.183	0.014
51			214		SBC32	250	4.10	0.50	1.20	2.76	690.00	69.66	0	0.481	0.036
52			217		SBC33	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
53			66		PBC1	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
54			202		PBC2	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019

55			204		PBC3	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
56			117		PBC4	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
57			429		WHBC1	300	9.50	2.00	2.50	14.38	4312.50	81.90	0	3.532	0.265
58			75		PBD1	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
59			30		PBD2	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
60			54		PBD3	250	3.80	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
61			5		SBD10	400	4.25	0.50	1.25	2.97	1187.50	69.66	0	0.827	0.062
62			6		SBD11	200	4.25	0.50	1.25	2.97	593.75	69.66	0	0.414	0.031
63			8		SBD12	150	4.25	0.50	1.25	2.97	445.31	69.66	0	0.310	0.023
64			635		CDD2	110	11.50	2.50	3.00	21.00	2310.00	81.90	0	1.892	0.142
65			727		CBE1	100	3.80	0.50	1.10	2.37	236.50	69.66	0	0.165	0.012
66			691		CBE2	100	3.80	0.50	1.10	2.37	236.50	69.66	0	0.165	0.012
67			720		CBE3	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
68			718		CBE4	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
69			630		SBE8	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
70			635		SBE9	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
71			650		SBE10	500	4.10	0.50	1.20	2.76	1380.00	69.66	0	0.961	0.072
72			274		SBE11	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
73			616		PBE1	100	3.80	0.50	1.10	2.37	236.50	69.66	0	0.165	0.012
74			621		PBE2	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
75			280		PBE3	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
76			290		PBE4	100	3.80	0.50	1.10	2.37	236.50	69.66	0	0.165	0.012
77			571		PBE5	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
78			566		CDE3	120	11.50	2.50	3.00	21.00	2520.00	81.90	0	2.064	0.155
	Total					**15944**					**52491.89**			**37.686**	**2.826**

G, Panchayat – Garha, MWS Name - Garha														
Village- Brahsinghpura														
Sr.	**Name of the**	**Khasara**	**Area**	**Activity**	**Length**	**Breadth**	**Top**	**Height**	**Cross**	**E.W.**	**Rate**	**Safe**	**Total**	**Contribution**

No	beneficiary	No.	(ha)	(Proposed)	(M)	(Cm)	width (Cm)	(Cm)	Section (m2)	(Cum)	per (Cum)	structure No. & cost	Cost (Rs.)	in shape of Lab/cash
1	SBA1	587		SBA_1	300	3.90	0.60	1.10	2.48	742.5	49.47	0	0.367	0.028
		586												
		585												
		584												
2	SBA2	618		SBA_2	80	3.90	0.60	1.10	2.48	198	49.47	0	0.098	0.007
3	SBA3	770		SBA_3	350	3.90	0.60	1.10	2.48	866.25	49.47	0	0.429	0.032
4	SBA4	616		SBA_4	150	3.90	0.60	1.10	2.48	371.25	49.47	0	0.184	0.014
5	SBA7	830		SBA_3	300	3.90	0.60	1.10	2.48	742.5	49.47	0	0.367	0.028
6	SBA8	2		SBA_8	200	3.90	0.60	1.10	2.48	495	49.47	0	0.245	0.018
7	SBA9	839, 841		SBA_9	250	380	50	110	2.37	591.25	49.47	0	0.292	0.022
8	SBA10	154, 153, 421, 420, 843		SBA_{10}	550	4.20	0.60	1.20	2.88	1584	49.47	0	0.784	0.059
9	SBA11	845		SBA_{11}	100	4.20	0.60	1.20	2.88	288	49.47	0	0.142	0.011
10	SBA12	818, 810, 811		SBA_{12}	300	4.20	0.60	1.20	2.88	864	49.47	0	0.427	0.032
11	SBA13	158, 410, 415, 416		SBA_{13}	500	4.20	0.60	1.20	2.88	1440	49.47	0	0.712	0.053
12	SBA14	813, 812		SBA_{14}	400	4.20	0.60	1.20	2.88	1152	49.47	0	0.570	0.043
13	SBA15	808, 807, 805, 793, 784		SBA_{15}	400	4.20	0.60	1.20	2.88	1152	49.47	0	0.570	0.043
14	SBA16	804		SBA_{16}	300	4.35	0.60	1.25	3.09	928.125	49.47	0	0.459	0.034
15	SBA17	800		SBA_{17}	250	4.35	0.60	1.25	3.09	773.4375	49.47	0	0.383	0.029
16	SBA18	788, 784, 787, 783		SBA_{18}	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
17	SBA19	791		SBA_{19}	150	4.35	0.60	1.25	3.09	464.0625	49.47	0	0.230	0.017
18	SBA20	786, 787, 784		SBA_{20}	300	4.35	0.60	1.25	3.09	928.125	49.47	0	0.459	0.034
19	SBA21	779, 778, 776, 775, 768		SBA_{21}	450	4.35	0.60	1.25	3.09	1392.1875	49.47	0	0.689	0.052
20	SBA22	760, 758, 761		SBA_{22}	250	4.35	0.60	1.25	3.09	773.4375	49.47	0	0.383	0.029
21	SBA23	756, 755, 739, 740		SBA_{23}	350	4.35	0.60	1.25	3.09	1082.8125	49.47	0	0.536	0.040

22	SBA24	730, 729, 719, 720		SBA_{24}	350	4.65	0.60	1.35	3.54	1240.3125	49.47	0	0.614	0.046
23	SBA25	734, 733, 732, 726, 725, 720, 721		SBA_{25}	500	4.80	0.60	1.40	3.78	1890	49.47	0	0.935	0.070
	Total				**6980**					**20578.00**			**10.181**	**0.764**
Village- Garha														
Sr. No.	**Name of the beneficiary**	**Khasara No.**	**Area (ha)**	**Activity (Proposed)**	**Length (M)**	**Breadth (Cm)**	**Top width (Cm)**	**Height (Cm)**	**Cross Section (m2)**	**E.W. (Cum)**	**Rate per (Cum)**	**Safe structure No. & cost**	**Total Cost (Rs.)**	**Contribution in shape of Lab/cash**
1	SBB1	538	4.189	SBB1	450	4.20	0.60	1.20	2.88	1296	49.47	0	0.641	0.048
		539	7.984											
			12.173											
2	SBB2	708	0.628	SBB2	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
		707	0.206											
		779	0.178											
			1.012											
3	SBB3	824	2.999	SBB3	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
			2.999											
4	SBB4	534	1.271	SBB4	300	4.20	0.60	1.20	2.88	864	49.47	0	0.427	0.032
		535	0.494											
		536	0.836											
		537	1.546											
			4.147											
5	SBB5	532	0.959	SBB5	300	4.20	0.60	1.20	2.88	864	49.47	0	0.427	0.032
		531	2.092											
		530	0.955											
		527	0.421											
		525	0.625											
			5.052											
6	SBB6	816	0.705	SBB6	300	4.20	0.60	1.20	2.88	864	49.47	0	0.427	0.032
		817	0.263											
		818	0.622											
		821	0.040											
			1.63											
7	SBB7	752	3.217	SBB7	450	4.20	0.60	1.20	2.88	1296	49.47	0	0.641	0.048

		754	1.906											
		757	2.675											
			7.798											
8	SBB8	516	0.223	SBB8	250	4.20	0.60	1.20	2.88	720	49.47	0	0.356	0.027
		518	1.295											
		521	2.399											
			3.917											
9	SBB9	742	4.598	SBB9	600	4.20	0.60	1.20	2.88	1728	49.47	0	0.855	0.064
		745	1.384											
		746	3.343											
		748	1.104											
		747	1.315											
			11.744											
10	SBB10	505	1.570	SBB10	300	4.20	0.60	1.20	2.88	864	49.47	0	0.427	0.032
		506	0.146											
		507	2.659											
			4.375											
11	SBB16	370	1.197	SBB16	250	4.20	0.60	1.20	2.88	720	49.47	0	0.356	0.027
		371	0.987											
		372	0.745											
			2.929											
12	SBB17	466	1.635	SBB17	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
			1.635											
13	SBB18	487	1.648	SBB18	300	4.20	0.60	1.20	2.88	864	49.47	0	0.427	0.032
		488	2.286											
14	SBB19	457	2.079	SBB19	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
		461	1.72											
			3.799											
15	SBB20	493	2.878	SBB20	300	4.65	0.60	1.35	3.54	1063.125	49.47	0	0.526	0.039
		492	1.712											
		491	1.684											
			6.274											
16	SBB25	202	1.109	SBB25	500	4.20	0.60	1.20	2.88	1440	49.47	0	0.712	0.053
		216	2.181											
		215	3.848											

		214	0.279											
		213	0.575											
			7.992											
17	SBB26	200	0.865	SBB26	600	4.20	0.60	1.20	2.88	1728	49.47	0	0.855	0.064
		205	3.642											
		206	0.34											
		209	0.753											
		208	0.233											
		210	0.085											
			5.918											
18	SBB47	398	2.347	SBB47	350	4.20	0.60	1.20	2.88	1008	49.47	0	0.499	0.037
		396	0.040											
		391	0.142											
		336	0.194											
		337	0.206											
			2.929											
19	SBB48	333	0.130	SBB48	250	4.20	0.60	1.20	2.88	720	49.47	0	0.356	0.027
		334	1.157											
		335	1.084											
			2.371											
20	SBB49	328	0.283	SBB49	300	4.20	0.60	1.20	2.88	864	49.47	0	0.427	0.032
		327	0.263											
		326	1.744											
			2.29											
21	SBB50	75	1.744	SBB50	100	4.20	0.60	1.20	2.88	288	49.47	0	0.142	0.011
22	WHBB1	121	0.312	WHBB1	200	7.80	1.50	2.10	9.77	1953	56.75	0	1.108	0.083
		122	0.384											
		120	0.656											
		186	2.104											
			3.456											
		451	0.708											
		452	0.263											
			3.605											
		12	0.862											
		10	0.202											
			1.661											
23	CDB2	298	0.056	CDB2	100	9.50	2.00	2.50	14.38	1437.5	57.55	0	0.827	0.062

		22	0.283											
		24	0.012											
		26	0.255											
		27	1.809											
			2.415											
	Total		206.7		6850					22453.63			11.363	0.851
Village- Turk Lahchura														
Sr. No.	**Name of the beneficiary**	**Khasara No.**	**Area (ha)**	**Activity (Proposed)**	**Length (M)**	**Breadth (Cm)**	**Top width (Cm)**	**Height (Cm)**	**Cross Section (m2)**	**E.W. (Cum)**	**Rate per (Cum)**	**Safe structure No. & cost**	**Total Cost (Rs.)**	**Contribution in shape of Lab/cash**
1	Tulag	1066	0.894	SBC1	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
	Balmukund	1067	0.688											
			1.582											
2	Premnarayan	1065	0.939	SBC2	250	4.20	0.60	1.20	2.88	720	49.47	0	0.356	0.027
	Kishun	1068	0.692											
	Maniram, Mukundi, Shankar	1069	0.684											
	Balmukund	1070	0.344											
	Premnarayan		2.659											
3	Hammir Singh	1084	1.795	SBC3	300	4.20	0.60	1.20	2.88	864	49.47	0	0.427	0.032
	Narayan Das, Hariram etc.	1083	1.538											
	Hardas, Gorelal	1082	0.372											
	Road	1081	0.028											
			3.733											
4	Kundan Singh	1058	1.040	SBC4	500	4.35	0.60	1.25	3.09	1546.875	49.47	0	0.765	0.057
	Udayraj	1059	1.874											
	Hanumant Singh	1061	3.262											
	Pratap Singh	1062	1.590											
	Bhagvaan Singh	1063	1.465											
			9.231											
5	Manpyare	1016	2.306	SBC5	300	4.35	0.60	1.25	3.09	928.125	49.47	0	0.459	0.034
	Channu	1013	1.963											

	Manmohan, Jairam	1012	0.291											
			4.56											
6	Ujvak	1015	0.914	SBC6	350	4.35	0.60	1.25	3.09	1082.8125	49.47	0	0.536	0.040
	Jairam, Parmole	1014	1.842											
	Road	1011	0.032											
	Raghuvar, Gyan Singh	1003	5.508											
			8.296											
7	SBC13	1094	4.935	SBC13	550	3.90	0.60	1.10	2.48	1361.25	49.47	0	0.673	0.051
		1092	1.048											
			5.983											
8	Jairam, Parmole	1105	2.626	SBC14	350	4.35	0.60	1.25	3.09	1082.8125	49.47	0	0.536	0.040
	Jairam	1101	0.388											
	Road	1102	0.295											
	Narat Singh	1098	0.660											
			3.969											
9	Jairam, Parmole	1045	1.214	SBC15	80	4.35	0.60	1.25	3.09	247.5	49.47	0	0.122	0.009
10	Cintu	1038	0.113	SBC16	150	4.35	0.60	1.25	3.09	464.0625	49.47	0	0.230	0.017
	Cintu	1039	0.401											
	Behard	1041	0.142											
	Smt. Uma Devi		0.656											
11	Jairam, Manmohan	1031	0.045	SBC17	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
	Jairam, Manmohan	1032	0.829											
	Hanumant Singh	1026	0.138											
	Ayodhya, Pratap	1027	0.065											
	Smt. Uma Devi, Dayaram	1025	1.303											
			2.38											
12	Bharat Singh	918	2.395	SBC24	700	4.65	0.60	1.35	3.54	2480.625	49.47	0	1.227	0.092
13	Baijnath	923	1.441	SBC26	350	4.65	0.60	1.35	3.54	1240.3125	49.47	0	0.614	0.046
	Ramju	920	0.967											

	Maniram	919	0.874											
	Prhlad Singh	928	2.541											
			5.823											
14	Parshuram	905	0.765	SBC25	250	4.65	0.60	1.35	3.54	885.9375	49.47	0	0.438	0.033
	Parshuram	906	0.073											
	Parshuram, Etc.	907	0.340											
			1.178											
15	Munnalal, Deshraj, Etc.	881	0.858	SBC22	300	4.65	0.60	1.35	3.54	1063.125	49.47	0	0.526	0.039
16	Vijay Singh	894	1.145	SBC23	200	4.65	0.60	1.35	3.54	708.75	49.47	0	0.351	0.026
	Bhogilal	495	1.015											
	Avdh Rani	496	3.747											
			5.907											
17	Mukundi	883	0.336	SBC24	700	4.65	0.60	1.35	3.54	2480.625	49.47	0	1.227	0.092
	Mukundi, Vishvnath, Etc.	885	1.912											
	Mukundi, Vishvnath, Etc.	886	0.364											
	Saguna, Dhulya	888	0.202											
	Parshuram, Etc.	887	0.450											
	Saguna, Dhulya	890	0.057											
	Parshuram, Etc.	900	0.145											
	Total		**119.9**		**5730**					**18351.56**			**9.078**	**0.679**
MNREGA WORK														
Village- Turk Lahchura														
1		1090		CBC1	400	2.90	0.50	0.80	1.36	544	69.66	0	0.379	0.028
		1078												
		1076												
		1072												
2		1080, 1072		CBC2	300	2.90	0.50	0.80	1.36	408	69.66	0	0.284	0.021
3		1078, 1072		CBC3	300	2.90	0.50	0.80	1.36	408	69.66	0	0.284	0.021
4		1047		CBC4	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014

5		1055, 57		CBC5	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
6		1109, 1106		CBC6	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
7		1004		SBC7	150	4.10	0.50	1.20	2.76	414	69.66	0	0.288	0.022
8		995, 1000		SBC8	250	4.10	0.50	1.20	2.76	690	69.66	0	0.481	0.036
9		958, 981		SBC9	250	4.10	0.50	1.20	2.76	690	69.66	0	0.481	0.036
10		974, 955		SBC10	150	4.10	0.50	1.20	2.76	414	69.66	0	0.288	0.022
11		1050, 56		SBC11	200	3.80	0.50	1.10	2.37	473	69.66	0	0.329	0.025
12		793, 795		SBC12	300	3.80	0.50	1.10	2.37	709.5	69.66	0	0.494	0.037
13		1048, 1050		SBC18	250	4.25	0.50	1.25	2.97	742.1875	69.66	0	0.517	0.039
14		489, 787		SBC19	200	4.25	0.50	1.25	2.97	593.75	69.66	0	0.414	0.031
15		749, 751		SBC20	200	4.55	0.50	1.35	3.41	681.75	69.66	0	0.475	0.036
16		755, 769		SBC21	250	4.55	0.50	1.35	3.41	852.1875	69.66	0	0.594	0.045
17		930, 842		SBC27	350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
18		999		PBC1	200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
19		799, 801		PBC2	150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
20		798, 802		PBC3	200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
21		970, 972		PBC4	100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
22		927, 928		PBC5	100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
23		936, 938		PBC6	150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
24		771, 778		PBC7	150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
	Total				**5100**					**11576.38**			**8.064**	**0.604**
1		349		CDB1	80	9.50	2.00	2.50	143.8	1150	81.90		0.942	0.071
		350												
		1102												
2		321		CDB3	90	9.50	2.00	2.50	14.38	1293.75	81.90	0	1.060	0.079
		322												
		323												
		4, 3, 5												
3		296		GP B1	80	8.90	2.00	2.30	12.54	1002.8	81.90	0	0.821	0.062
		297												
		295												
4		438		GP B3	120	9.50	2.00	2.50	14.38	1725	81.90	0	1.413	0.106
		56												
		63												
5		117		GP B5	70	7.80	1.50	2.10	9.77	683.55	81.90	0	0.560	0.042
		118												
		161												

6		142		GP B6	80	7.50	1.50	2.00	9.00	720	81.90	0	0.590	0.044
		141												
		143												
7	Vishvnath, Etc.	710	2.351	CBB1	100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
8	Chatur	713	0.705	CBB2	100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
	Gyasi	715	0.069											
	Uttamlal	716	0.55											
			1.324											
9	Saligram	519	0.202	CBB3	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
	Ramswaroop, Saligram	520	1.999											
	Banjr	522	0.589											
	Banjr	540	0.024											
			2.814											
10	Lasayai	751	0.930	CBB4	450	2.90	0.50	0.80	1.36	612	69.66	0	0.426	0.032
	Meghraj	753	1.550											
	Gorelal, Etc.	755	1.210											
	Hannulal, Etc.	756	0.833											
			4.523											
11	Brajnandan	512	0.579	CBB5	100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
	Devkinandan	513	0.405											
	Shiv Kumar	507	2.659											
			3.643											
12	Jashrath	737	1.586	CBB6	100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
13	Brajnandan			CBB7	50	2.90	0.50	0.80	1.36	68	69.66	0	0.047	0.004
	Devkinandan													
14	Surtan	518	1.295	CBB8	50	2.90	0.50	0.80	1.36	68	69.66	0	0.047	0.004
	Malkhan	517	1.728											
			3.023											
15	Banjr	540	0.024	CBB9	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
	Ramnarayan	539	7.984											
			8.008											
16	Deshraj, Etc.	542	1.570	CBB10	400	2.90	0.50	0.80	1.36	544	69.66	0	0.379	0.028
	Deshraj	543	0.073											
	Shiv Kumar, Etc.	544	0.259											

	Banjr	546	0.065											
	Rampal, Etc.	547	0.198											
	Ramnarayan Das, Etc.	561	3.983											
			6.148											
17	Charagaha	486	1.214	CBB11	100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
	Doulat	556	0.223											
	Doulat	557	0.178											
	Ramnarayan Das, Etc.	561	3.983											
			5.598											
18	Shiv Narayan	368	1.060	CBB12	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
	Chek Road	367	0.186											
			1.246											
19	Vidhyadhar	374	0.498	CBB_{13}	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
	Prathvi	369	1.327											
			1.825											
20		328	0.283	CBB14	100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
		330	0.202											
			0.485											
21	Pran Singh	356	0.930	CBB15	100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
22	Sukhnandan	504	0.830	SBB11	450	4.10	0.50	1.20	2.76	1242.00	69.66	0	0.865	0.065
	Udayraj	508	1.023											
	Pran Singh	509	0.575											
	Man Singh	510	0.89											
	Vidhyadhar	511	1.627											
			4.945											
23	Ashok Kumar, Etc.	502	0.934	SBB12	450	4.10	0.50	1.20	2.76	1242.00	69.66	0	0.865	0.065
	Man Singh, Etc.	501	2.193											
	Kanchan, Dulya	499	0.947											
	Prabhu Dayal	498	0.757											
	Chek Road	495	0.182											
	Shiv Narayan	496	1.113											
			6.126											

24	Suraj Singh, Etc.	467	1.902	SBB13	450	4.10	0.50	1.20	2.76	1242.00	69.66	0	0.865	0.065
	Lallu	468	1.007											
	Prabhu Dayal	470	0.607											
	Fool Singh	471	0.336											
	Fool Singh	172	1.307											
	Brij Bhushan	173	0.279											
	Roop Singh	475	1.003											
			6.441											
25	Uday Raj	353	1.427	SBB14	350	4.10	0.50	1.20	2.76	966.00	69.66	0	0.673	0.050
	Gajraj	354	0.898											
	Pawan Kumar, Etc.	357	1.651											
	Narayan	358	1.295											
			5.271											
26	Jagdeesh	375	4.415	SBB15	500	4.10	0.50	1.20	2.76	1380.00	69.66	0	0.961	0.072
	Lallu	376	2.039											
			6.454											
27	Gajraj Singh, Etc.	460	1.72	SBB21	500	3.80	0.50	1.10	2.37	1182.50	69.66	0	0.824	0.062
	Gajraj Singh, Fool Singh	460	0.259											
	Fool Singh, Etc.	458	0.214											
	Fool Singh, Preetam	459	0.359											
	Brij Bhushan, Etc.	473	0.279											
	Banjr	478	0.089											
	Brij Bhushan	477	0.551											
	Ramdas	489	0.636											
			4.107											
28	Brijnandan, Etc.	457	2.079	SBB22	450	3.80	0.50	1.10	2.37	1064.25	69.66	0	0.741	0.056
	Fool Singh, Etc.	479	1.029											
	Ramsai, Moti, Etc.	480	1.877											
			4.985											
29	Ramsaran	268	0.348	SBB23	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025

	Hemraj, Etc.	269	1.161											
			1.509											
30	Pri.Sc.Garha	270	0.813	SBB24	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
		271	1.011											
			1.824											
31	Vishvnath	229	1.509	SBB27	125	4.10	0.50	1.20	2.76	345.00	69.66	0	0.240	0.018
	Shiv Kumar	223	2.395	SBB28	175	4.10	0.50	1.20	2.76	483.00	69.66	0	0.336	0.025
	Dhrmendra, Etc.	224	2.659											
			5.054											
32	Smt.Shanti Devi	218	0.785	SBB29	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
	Balaram	219	0.490											
	Smt.Shanti Devi	220	1.040											
			2.315											
33		239	0.644	SBB30	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
		238	1.072											
		168	0.202											
		169	0.186											
		176	0.619											
		180	0.243											
			2.966											
34	Pooran	190	0.409	SBB31	300	3.80	0.50	1.10	2.37	709.50	69.66	0	0.494	0.037
	Pri.School Graha	189	0.182											
	Har Prasad	193	0.312											
	Har Prasad	194	0.112											
	Shanti Bai	195	0.482											
	Shanti Bai	198	0.15											
	Pooran, Etc.	200	0.965											
			2.612											
35	Banjr	241	0.397	SBB32	400	3.80	0.50	1.10	2.37	946.00	69.66	0	0.659	0.049
	Banjr	240	0.615											
	Hakim Singh, Dhulli, Siyalal, Etc.	165	0.899											
	Viharilal	166	0.267											

	Hakim Singh	171	0.154											
	Hakim Singh	172	0.065											
	Hakim Singh	184	0.279											
	Guljari, Bhasneh Bali, Preetam	183	0.17											
	Banjr	182	0.008											
			2.854											
36	Road	107	0.308	SBB33	400	3.80	0.50	1.10	2.37	946.00	69.66	0	0.659	0.049
	Banjr	108	0.505											
	Bhuvani, Doulat	106	2.626											
	Suke, Chipla, Kallu	104	0.882											
			4.321											
37	Kunjilal	105	1.157	SBB34	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
	Bhuvani, Doulat	106	2.626											
			3.783											
38	Jashrath	109	2.387	SBB35	200	4.25	0.50	1.25	2.97	593.75	69.66	0	0.414	0.031
39	Ramswaroop	128	0.466	SBB36	300	4.25	0.50	1.25	2.97	890.63	69.66	0	0.620	0.047
	Banjr	127	0.057											
	Ramswaroop, Etc.	112	4.723											
40	Kunjilal	285	1.164	SBB37	400	4.25	0.50	1.25	2.97	1187.50	69.66	0	0.827	0.062
	Kunjilal, Etc.	266	1.862											
	Banjr (Nai Parti)	265	0.295											
	Banjr (Nai Parti)	264	0.441											
	Banjr	260	0.922											
	Jashrath	250	0.38											
			5.064											
41	Mahesh, Akhilesh, Etc.	113	0.858	SBB38	250	4.25	0.50	1.25	2.97	742.19	69.66	0	0.517	0.039
	Smt.Ladh Kuvanar	114	0.692											
	Smt.Ladh Kuvanar	115	0.202											
			1.752											

42	Brijnandan, Etc.	118	2.658	SBB39	400	4.25	0.50	1.25	2.97	1187.50	69.66	0	0.827	0.062
	Banjr	117	0.809											
	Gyasiya, Etc.	63	11.092											
			14.559											
43		63		SBB40	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
44		37		SBB41	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
45		57		SBB42	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
		63												
46		52		SBB43	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
		59												
47		380		SBB44	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
		381												
		382												
		379												
		376												
48		352		SBB45	300	3.80	0.50	1.10	2.37	709.50	69.66	0	0.494	0.037
		359												
49		384		SBB46	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
		385												
		388												
50		741		MB B1	550	3.60	0.60	1.00	2.10	1155.00	69.66	0	0.805	0.060
		745												
		749												
51		739		MB B2	100	3.60	0.60	1.00	2.10	210.00	69.66	0	0.146	0.011
52		272		MB B3	300	3.60	0.60	1.00	2.10	630.00	69.66	0	0.439	0.033
		281												
		282												
53		481	0.17	PB B1	100	3.70	0.70	1.00	2.20	220.00	69.66	0	0.153	0.011
		482	0.563											
			0.733											
54		315	0.263	PB B2	100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
		316	0.154											
55		196	0.526	PB B3	200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
		197	0.316											
		190	0.409											

			1.251											
56		341	0.328	PB B4	200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
		305	0.081											
		306	0.142											
		307	0.101											
			0.652											
57		A		PB B5	200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
58		420		PB B6	150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
		421												
59		436		PB B7	100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
		437												
60		423		PB B8	150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
		425												
61		419		PB B9	100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
		423												
		424												
		425												
63		63		PB B10	250	3.70	0.70	1.00	2.20	550	69.66	0	0.383	0.029
64		729		CBA1	50	2.90	0.50	0.80	1.36	68	69.66	0	0.047	0.004
65		762		CBA2	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
66		621		CBA3	250	2.90	0.50	0.80	1.36	340	69.66	0	0.237	0.018
67		801		CBA4	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
68		771		CBA5	100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
69		582		CBA6	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
70		421		CBA7	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
71		810		CBA8	50	2.90	0.50	0.80	1.36	68	69.66	0	0.047	0.004
72		718		CBA9	50	2.90	0.50	0.80	1.36	68	69.66	0	0.047	0.004
73		736		CBA10	100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
74		786		CDC1	90	9.50	2.00	2.50	14.38	1293.75	81.90	0	1.060	0.079
		727												
		805												
75		995		CDC2	75	11.50	2.50	3.00	21.00	1575	81.90	0	1.290	0.097
		996												
		986												
76		979		CDC3	75	9.50	2.00	2.50	14.38	1078.125	81.90	0	0.883	0.066
		940												
		978												

77		820		CDC4	70	13.50	3.00	3.50	28.88	2021.25	81.90	0	1.655	0.124
		825												
		823												
78		840		CDC5	100	13.50	3.00	3.50	28.88	2887.5	81.90	0	2.365	0.177
		837												
		841												
	Total				**15330**					**47749.55**			**34.206**	

GP. Turk Lahchura

IWMP-II –MWS Name - Vikrampura Sani

Village- Chiraura Bujurg

Sr. No.	Name of the beneficiary	Caste SC-ST/Others	Khasara No.	Area (ha)	Activity (Proposed)	Length (M)	Breadth (Cm)	Top width (Cm)	Height (Cm)	Cross Section (m2)	E.W. (Cum)	Rate per (Cum)	Safe structure No. & cost	Total Cost (Rs.)	Contribution in shape of Lab/cash
1	SBA1		569 to 561		SBA1	250	4.65	0.60	1.35	3.54	885.9375	47.49	0	0.421	0.032
2	SBA2		587 to 571		SBA2	450	4.65	0.60	1.35	3.54	1594.6875	47.49	0	0.757	0.057
3	SBA3		590 to 614		SBA3	500	4.65	0.60	1.35	3.54	1771.875	47.49	0	0.841	0.063
4	SBA4		592 to 602		SBA4	400	4.65	0.60	1.35	3.54	1417.5	47.49	0	0.673	0.050
5	SBA5		512 to 509		SBA5	250	4.65	0.60	1.35	3.54	885.9375	47.49	0	0.421	0.032

6	SBA6		517 to 514		SBA6	300	4.65	0.60	1.35	3.54	1063.125	47.49	0	0.505	0.038
7	SBA10		548 to 556		SBA10	450	4.65	0.60	1.35	3.54	1594.6875	47.49	0	0.757	0.057
8	SBA11		533 to 543		SBA11	450	4.65	0.60	1.35	3.54	1594.6875	47.49	0	0.757	0.057
9	SBB1		29 to 25		SBB1	600	4.8	0.60	1.40	3.78	2268	47.49	0	1.077	0.081
10	SBB2		12 to 19		SBB2	400	4.8	0.60	1.40	3.78	1512	47.49	0	0.718	0.054
11	SBB3		35 to 42		SBB3	400	4.8	0.60	1.40	3.78	1512	47.49	0	0.718	0.054
12	SBB4		47 to 52		SBB4	400	4.8	0.60	1.40	3.78	1512	47.49	0	0.718	0.054
13	SBB5		44 to 3		SBB5	600	4.8	0.60	1.40	3.78	2268	47.49	0	1.077	0.081
14	SBB6		118 to 114		SBB6	500	4.8	0.60	1.40	3.78	1890	47.49	0	0.898	0.067
15	SBC1		133 to 129		SBC1	350	4.2	0.60	1.20	2.88	1008	47.49	0	0.479	0.036
16	SBC2		123 to 111		SBC2	600	4.2	0.60	1.20	2.88	1728	47.49	0	0.821	0.062
17	SBC3		102 to 109		SBC3	500	4.2	0.60	1.20	2.88	1440	47.49	0	0.684	0.051
18	SBC4		166 to 4		SBC4	250	4.2	0.60	1.20	2.88	720	47.49	0	0.342	0.026
19	SBC5		187 to 182		SBC5	450	4.2	0.60	1.20	2.88	1296	47.49	0	0.615	0.046
20	SBC6		84 to 90		SBC6	250	4.2	0.60	1.20	2.88	720	47.49	0	0.342	0.026
21	SBC7		59 to 58		SBC7	250	4.2	0.60	1.20	2.88	720	47.49	0	0.342	0.026
22	SBC8		48 to 43		SBC8	350	4.2	0.60	1.20	2.88	1008	47.49	0	0.479	0.036
23	SBC9		62 to 65		SBC9	250	4.2	0.60	1.20	2.88	720	47.49	0	0.342	0.026
24	SBC10		79 to 82		SBC10	200	4.2	0.60	1.20	2.88	576	47.49	0	0.274	0.021
25	SBC11		77, 76		SBC11	242	4.2	0.60	1.20	2.88	696.96	47.49	0	0.331	0.025
26	SBC12		26 to 38		SBC12	300	4.35	0.60	1.25	3.09	928.125	47.49	0	0.441	0.033
27	SBC13		224 to 212		SBC13	600	4.35	0.60	1.25	3.09	1856.25	47.49	0	0.882	0.066
28	SBC14		139 to R		SBC14	300	4.35	0.60	1.25	3.09	928.125	47.49	0	0.441	0.033
29	SBC15		143 to 145		SBC15	350	4.35	0.60	1.25	3.09	1082.8125	47.49	0	0.514	0.039
30	SBC16		L to 179		SBC16	550	4.35	0.60	1.25	3.09	1701.5625	47.49	0	0.808	0.061
31	SBC17		359 to 356		SBC17	250	4.35	0.60	1.25	3.09	773.4375	47.49	0	0.367	0.028
32	SBC18		352 to 344		SBC18	250	4.35	0.60	1.25	3.09	773.4375	47.49	0	0.367	0.028
33	SBC24		429 to 431		SBC24	300	4.2	0.60	1.20	2.88	864	47.49	0	0.410	0.031
34															
35	WHBC1		446 to 514		WHBC1	400	9.5	2.00	2.50	14.38	5750	57.55	0	3.309	0.248
36	GPC1		C, J		GPC1	80	9.5	2.00	2.50	14.38	1150	57.55	0	0.662	0.050
37	CDC1		264, 265		CDC1	100	11.5	2.50	3.00	21.00	2100	61.3	0	1.287	0.097

			etc.											
38	SBD1		25, 26, 27		SBD1	450	4.2	0.60	1.20	2.88	1296	47.49	0	0.615	0.046
39	SBD2		33, 31		SBD2	250	4.2	0.60	1.20	2.88	720	47.49	0	0.342	0.026
40	SBD3		30, 29		SBD3	250	4.2	0.60	1.20	2.88	720	47.49	0	0.342	0.026
41	SBD4		23 to 19		SBD4	450	4.2	0.60	1.20	2.88	1296	47.49	0	0.615	0.046
42	SBD7		58, 61 to 51		SBD7	300	4.2	0.60	1.20	2.88	864	47.49	0	0.410	0.031
43	SBD8		49 to 46		SBD8	350	4.2	0.60	1.20	2.88	1008	47.49	0	0.479	0.036
44	SBD9		37 to 40		SBD9	600	4.2	0.60	1.20	2.88	1728	47.49	0	0.821	0.062
45	SBD10		B, R		SBD10	200	4.2	0.60	1.20	2.88	576	47.49	0	0.274	0.021
46	SBD11		115 to 87		SBD11	350	4.2	0.60	1.20	2.88	1008	47.49	0	0.479	0.036
47	SBD12		101 to 151		SBD12	250	4.2	0.60	1.20	2.88	720	47.49	0	0.342	0.026
48	SBD17		423, 422		SBD17	150	4.2	0.60	1.20	2.88	432	47.49	0	0.205	0.015
49	SBD18		451 to 507		SBD18	250	4.2	0.60	1.20	2.88	720	47.49	0	0.342	0.026
50	SBD19		524 to 571		SBD19	250	4.2	0.60	1.20	2.88	720	47.49	0	0.342	0.026
51	SBD20		516 to 580		SBD20	450	4.2	0.60	1.20	2.88	1296	47.49	0	0.615	0.046
52	SBD21		614 to 619		SBD21	300	4.2	0.60	1.20	2.88	864	47.49	0	0.410	0.031
53	SBD24		644 to 672		SBD24	350	4.2	0.60	1.20	2.88	1008	47.49	0	0.479	0.036
54	SBD25		671 to 679		SBD25	300	4.2	0.60	1.20	2.88	864	47.49	0	0.410	0.031
55	WHBD1		632 to 1837		WHBD1	240	9.5	2.00	2.50	14.38	3450	57.55	0	1.985	0.149
56	GPD1		259 to 163, 161		GPD1	100	9.5	2.00	2.50	14.38	1437.5	57.55	0	0.827	0.062
57	CDD1		400 to 311, 312, 308, 313, 392		CDD1	150	9.5	2.00	2.50	14.38	2156.25	57.55	0	1.241	0.093
58	CDD2		372, 327, 328		CDD2	120	9.5	2.00	2.50	14.38	1725	57.55	0	0.993	0.074
59															
60	SBE1		136 to 179		SBE1	250	4.2	0.60	1.20	2.88	720	47.49	0	0.342	0.026
61	SBE2		183 to 188		SBE2	300	4.2	0.60	1.20	2.88	864	47.49	0	0.410	0.031
62	SBE5		206 to 192		SBE5	300	4.2	0.60	1.20	2.88	864	47.49	0	0.410	0.031
63	SBE6		159 to 167		SBE6	350	4.2	0.60	1.20	2.88	1008	47.49	0	0.479	0.036
64	SBE7		208 to 216		SBE7	300	4.2	0.60	1.20	2.88	864	47.49	0	0.410	0.031

65	SBF1		842 to 852		SBF1	350	4.35	0.60	1.25	3.09	1082.8125	47.49	0	0.514	0.039
66	SBF2		839 to 836		SBF2	400	4.35	0.60	1.25	3.09	1237.5	47.49	0	0.588	0.044
67	SBF3		827, 832		SBF3	300	4.35	0.60	1.25	3.09	928.125	47.49	0	0.441	0.033
68	SBF4		825 to 828		SBF4	300	4.35	0.60	1.25	3.09	928.125	47.49	0	0.441	0.033
69	SBF5		815 to 800		SBF5	400	4.35	0.60	1.25	3.09	1237.5	47.49	0	0.588	0.044
70	SBF6		803, 801		SBF6	250	4.35	0.60	1.25	3.09	773.4375	47.49	0	0.367	0.028
71	SBG1		173 to 1756		SBG1	350	4.65	0.60	1.35	3.54	1240.3125	47.49	0	0.589	0.044
72	SBG2		1757, 1761		SBG2	180	4.65	0.60	1.35	3.54	637.875	47.49	0	0.303	0.023
73	SBG3		1761, 1753		SBG3	450	4.65	0.60	1.35	3.54	1594.6875	47.49	0	0.757	0.057
74	SBG4		1761		SBG4	250	4.65	0.60	1.35	3.54	885.9375	47.49	0	0.421	0.032
75	SBG5		1692 to 1689		SBG5	300	4.65	0.60	1.35	3.54	1063.125	47.49	0	0.505	0.038
76	SBG6		1689 to 1686		SBG6	370	4.65	0.60	1.35	3.54	1311.1875	47.49	0	0.623	0.047
77	SBG7		1900 to 1766		SBG7	200	4.2	0.60	1.20	2.88	576	47.49	0	0.274	0.021
78	SBG8		1695		SBG8	150	4.2	0.60	1.20	2.88	432	47.49	0	0.205	0.015
79	SBG9		1777 to 1679		SBG9	250	4.2	0.60	1.20	2.88	720	47.49	0	0.342	0.026
80	SBG13		1802, 1803		SBG13	200	4.2	0.60	1.20	2.88	576	47.49	0	0.274	0.021
81	SBG14		1650 to 1809		SBG14	250	4.2	0.60	1.20	2.88	720	47.49	0	0.342	0.026
82	SBG15		1824 to 1806		SBG15	250	4.2	0.60	1.20	2.88	720	47.49	0	0.342	0.026
83	CDG1		1892, 1895, 485, 474, 1897, 473		CDG1	100	9.5	2.00	2.50	14.38	1437.5	57.55	0	0.827	0.062
84	CDG2		535, 534, 538, 489, 1874, 1873, 1868, 1870, 1872		CDG2	130	11.5	2.50	3.00	21.00	2730	61.3	0	1.673	0.126

	Total					26162					100072			49.912	3.757

MNREGA WORK

MWS- Vikrampura Sani

Sr. No.	Name of the beneficiary	Caste SC-ST/Others	Khasara No.	Area (ha)	Activity (Proposed)	Length (M)	Breadth (Cm)	Top width (Cm)	Height (Cm)	Cross Section (m2)	E.W. (Cum)	Rate per (Cum)	Safe structure No. & cost	Total Cost (Rs.)	Contribution in shape of Lab/cash
1	CBA1		539		CBA1	100	3.5	0.50	1.00	2.00	200	69.60	0	0.139	0.010
2	CBA2		547 to 544		CBA2	200	3.5	0.50	1.00	2.00	400	69.60	0	0.278	0.021
3	SBA1		508		SBA1	150	4.1	0.50	1.20	2.76	414	69.60	0	0.288	0.022
4	SBA8		523 to 581		SBA8	450	4.1	0.50	1.20	2.76	1242	69.60	0	0.864	0.065
5	SBA9		557, 550		SBA9	200	4.1	0.50	1.20	2.76	552	69.60	0	0.384	0.029
6	SBA12		534		SBA12	150	4.1	0.50	1.20	2.76	414	69.60	0	0.288	0.022
7	SBA13		532 to 530		SBA13	200	4.1	0.50	1.20	2.76	552	69.60	0	0.384	0.029
8	CBB1		K, 57		CBB1	200	3.8	0.50	1.10	2.37	473	69.60	0	0.329	0.025
9	CBB2		56 to 62		CBB2	350	3.8	0.50	1.10	2.37	827.75	69.60	0	0.576	0.043
10	CBB3		122		CBB3	100	3.8	0.50	1.10	2.37	236.5	69.60	0	0.165	0.012
11	CBB4		28		CBB4	150	3.8	0.50	1.10	2.37	354.75	69.60	0	0.247	0.019
12	SBB7		121 to 119		SBB7	400	5.0	0.80	1.40	4.06	1624	69.66	0	1.131	0.085
13	SBB8		131 to 134		SBB8	500	5.0	0.80	1.40	4.06	2030	69.66	0	1.414	0.106
14	CBC1		138		CBC1	100	3.8	0.50	1.10	2.37	236.5	69.66	0	0.165	0.012
15	CBC2		162 to B		CBC2	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
16	CBC3		188, 169		CBC3	100	3.8	0.50	1.10	2.37	236.5	69.66	0	0.165	0.012
17	CBC4		183, 167		CBC4	200	3.8	0.50	1.10	2.37	473	69.66	0	0.329	0.025
18	CBC5		216		CBC5	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
19	CBC6		360		CBC6	50	3.8	0.50	1.10	2.37	118.25	69.66	0	0.082	0.006
20	CBC7		323		CBC7	100	3.8	0.50	1.10	2.37	236.5	69.66	0	0.165	0.012
21	CBC8		483 to 479		CBC8	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
22	SBC19		324		SBC19	150	4.1	0.50	1.20	2.76	414	69.66	0	0.288	0.022
23	SBC20		288 to 291		SBC20	300	4.1	0.50	1.20	2.76	828	69.66	0	0.577	0.043
24	SBC21		283, G		SBC21	150	4.1	0.50	1.20	2.76	414	69.66	0	0.288	0.022
25	SBC22		232		SBC22	100	4.1	0.50	1.20	2.76	276	69.66	0	0.192	0.014

26	SBC23		229 to 226		SBC23	300	4.1	0.50	1.20	2.76	828	69.66	0	0.577	0.043
27	SBC25		G to 244		SBC25	300	3.8	0.50	1.10	2.37	709.5	69.66	0	0.494	0.037
28	SBC26		385 to 391		SBC26	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
29	SBC27		445 to 442		SBC27	250	3.8	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
30	SBC28		479 to 439		SBC28	250	3.8	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
31	SBC29		490 to 480		SBC29	300	3.8	0.50	1.10	2.37	709.5	69.66	0	0.494	0.037
32	SBC30		515 to 489		SBC30	350	3.8	0.50	1.10	2.37	827.75	69.66	0	0.577	0.043
33	MBC1		190		MBC1	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
34	MBC2		4 to 20		MBC2	300	3.8	0.50	1.10	2.37	709.5	69.66	0	0.494	0.037
35	MBC3		24 to 34		MBC3	300	3.8	0.50	1.10	2.37	709.5	69.66	0	0.494	0.037
36	MBC4		70 to 75		MBC4	200	3.8	0.50	1.10	2.37	473	69.66	0	0.329	0.025
37	MBC5		210, 211		MBC5	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
38	PBC1		319, 321		PBC1	120	3.8	0.50	1.10	2.37	283.8	69.66	0	0.198	0.015
39	PBC2		316		PBC2	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
40	PBC3		286, 290		PBC3	130	3.8	0.50	1.10	2.37	307.45	69.66	0	0.214	0.016
41	PBC4		238, 243		PBC4	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
42	PBC5		448 to 487		PBC5	400	3.8	0.50	1.10	2.37	946	69.66	0	0.659	0.049
43	CBE1		133, 134		CBE1	100	3.8	0.50	1.10	2.37	236.5	69.66	0	0.165	0.012
44	CBE2		183 to 188		CBE2	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
45	SBE3		146 to 148		SBE3	250	4.1	0.50	1.20	2.76	690	69.66	0	0.481	0.036
46	SBE4		170, 171		SBE4	200	4.1	0.50	1.20	2.76	552	69.66	0	0.385	0.029
47	CBF1		731		CBF1	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
48	CBF2		728, 729		CBF2	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
49	CBF3		125, 126		CBF3	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
50	CBF4		851, 852		CBF4	200	3.8	0.50	1.10	2.37	473	69.66	0	0.329	0.025
51	SBF7		805 to 831		SBF7	200	4.1	0.50	1.20	2.76	552	69.66	0	0.385	0.029
52	SBF8		808, 809, 811		SBF8	200	4.1	0.50	1.20	2.76	552	69.66	0	0.385	0.029
53	CBG1		1708		CBG1	100	3.8	0.50	1.10	2.37	236.5	69.66	0	0.165	0.012
54	CBG2		14		CBG2	50	3.8	0.50	1.10	2.37	118.25	69.66	0	0.082	0.006
55	CBG3		1759, 1760		CBG3	200	3.8	0.50	1.10	2.37	473	69.66	0	0.329	0.025

56	CBG4		1687		CBG4	50	3.8	0.50	1.10	2.37	118.25	69.66	0	0.082	0.006
57	CBG5		1673		CBG5	50	3.8	0.50	1.10	2.37	118.25	69.66	0	0.082	0.006
58	CBG6		1191		CBG6	50	3.8	0.50	1.10	2.37	118.25	69.66	0	0.082	0.006
59	CBG7		1671, 1668		CBG7	100	3.8	0.50	1.10	2.37	236.5	69.66	0	0.165	0.012
60	CBG8		1651		CBG8	100	3.8	0.50	1.10	2.37	236.5	69.66	0	0.165	0.012
61	SBG10		1778 to 1782		SBG10	300	4.1	0.50	1.20	2.76	828	69.66	0	0.577	0.043
62	SBG11		1781 to 1863		SBG11	400	4.1	0.50	1.20	2.76	1104	69.66	0	0.769	0.058
63	SBG12		1676 to 1801		SBG12	300	4.1	0.50	1.20	2.76	828	69.66	0	0.577	0.043
64	SBG16		1813		SBG16	300	3.8	0.50	1.10	2.37	709.5	69.66	0	0.494	0.037
65	SBG17		1814		SBG17	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
66	SBG18		1825 to 1834		SBG18	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
67	PBG1		1768 to 1793		PBG1	200	3.8	0.50	1.10	2.37	473	69.66	0	0.329	0.025
68	PBG2		1825, 1832		PBG2	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
69	PBG3		1839, 1840		PBG3	150	3.8	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
70	PBG4		1836, 1851		PBG4	200	3.8	0.50	1.10	2.37	473	69.66	0	0.329	0.025
	Total					**13550**					**35041.75**			**24.401**	**-**

Gram. Panchayat – Dugara, IWMP-II, MWS Name - Todi Fatehpur

Sr No	Name of the beneficiary	Caste SC-ST/Others	Khasara No	Area (ha)	Activity (Proposed)	Length (M)	Breadth (Cm)	Top width (Cm)	Height (Cm)	Cross Section (m2)	E.W. (Cum)	Rate per (Cum)	Safe structure No. & cost	Total Cost (Rs.)	Contribution in shape of Lab/cash
Dhana Bilgaon															
1			1028		SBA1	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
2			1026		SBA2	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
3			1025		SBA3	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
4			1010		SBA4	500	4.35	0.60	1.25	3.09	1546.88	49.47	0	0.765	0.057
5			1018		SBA5	414	4.35	0.60	1.25	3.09	1280.81	49.47	0	0.634	0.048
6			975		SBA6	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
7			980		SBA7	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029

8			979		SBA8	500	4.35	0.60	1.25	3.09	1546.88	49.47	0	0.765	0.057
9			1216		SBB1	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
10			1348		SBB2	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
11			1346		SBB3	100	4.35	0.60	1.25	3.09	309.38	49.47	0	0.153	0.011
12			1345		SBB4	800	4.35	0.60	1.25	3.09	2475.00	49.47	0	1.224	0.092
13			1190		SBB5	500	4.35	0.60	1.25	3.09	1546.88	49.47	0	0.765	0.057
14			201		SBB6	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
15			1440		SBB7	100	4.35	0.60	1.25	3.09	309.38	49.47	0	0.153	0.011
16			1153		SBB8	100	4.35	0.60	1.25	3.09	309.38	49.47	0	0.153	0.011
17			1151		SBB9	600	4.35	0.60	1.25	3.09	1856.25	49.47	0	0.918	0.069
18			1190		SBB10	700	4.35	0.60	1.25	3.09	2165.63	49.47	0	1.071	0.080
19			1311		SBB11	150	4.35	0.60	1.25	3.09	464.06	49.47	0	0.230	0.017
22			1156		SBB14	550	4.35	0.60	1.25	3.09	1701.56	49.47	0	0.842	0.063
23			1137		SBB15	150	4.35	0.60	1.25	3.09	464.06	49.47	0	0.230	0.017
24			1035		SBB16	150	4.35	0.60	1.25	3.09	464.06	49.47	0	0.230	0.017
25			1132		SBB17	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
26			1012		SBB18	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
27			1020		SBB19	750	4.35	0.60	1.25	3.09	2320.31	49.47	0	1.148	0.086
28			1129		SBB20	300	4.80	0.60	1.40	3.78	1134.00	49.47	0	0.561	0.042
29			1162		SBB21	350	4.80	0.60	1.40	3.78	1323.00	49.47	0	0.654	0.049
30			1167		SBB22	200	4.80	0.60	1.40	3.78	756.00	49.47	0	0.374	0.028
31			1163		SBB23	150	4.80	0.60	1.40	3.78	567.00	49.47	0	0.280	0.021
32			1119		SBB24	400	4.80	0.60	1.40	3.78	1512.00	49.47	0	0.748	0.056
33			1125		SBB25	400	4.80	0.60	1.40	3.78	1512.00	49.47	0	0.748	0.056
34			1020		SBB26	150	4.80	0.60	1.40	3.78	567.00	49.47	0	0.280	0.021
35			964		SBB27	100	4.80	0.60	1.40	3.78	378.00	49.47	0	0.187	0.014
36			106		SBB28	300	4.80	0.60	1.40	3.78	1134.00	49.47	0	0.561	0.042
37			1123		SBB29	250	4.80	0.60	1.40	3.78	945.00	49.47	0	0.467	0.035
38			840		SBB30	250	4.80	0.60	1.40	3.78	945.00	49.47	0	0.467	0.035
39			829		SBB31	350	4.80	0.60	1.40	3.78	1323.00	49.47	0	0.654	0.049
40			911		SBB32	550	4.80	0.60	1.40	3.78	2079.00	49.47	0	1.028	0.077
41			133		SBB38	300	4.80	0.60	1.40	3.78	1134.00	49.47	0	0.561	0.042
42			1113		SBB39	300	4.80	0.60	1.40	3.78	1134.00	49.47	0	0.561	0.042
43			911		SBB40	350	4.80	0.60	1.40	3.78	1323.00	49.47	0	0.654	0.049
44			133		SBB41	400	4.80	0.60	1.40	3.78	1512.00	49.47	0	0.748	0.056
45			1113, 1104, 897		WHB1	275	9.50	2.00	2.50	14.38	3953.13	57.55	0	2.275	0.171
46			847, 845		CDB1	128	13.50	3.00	3.50	28.88	3696.00	65.58	0	2.424	0.182
47			907, 1094		CDB2	85	9.50	2.00	2.50	14.38	1221.88	69.24	0	0.846	0.063
48			731		SBC1	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
49			726		SBC2	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
50			722		SBC3	100	4.35	0.60	1.25	3.09	309.38	49.47	0	0.153	0.011

51			676		SBC4	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
52			446		SBC8	600	4.35	0.60	1.25	3.09	1856.25	49.47	0	0.918	0.069
53			454		SBC9	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
54			374		SBC10	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
55			349		SBC11	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
56			362		SBC12	450	4.35	0.60	1.25	3.09	1392.19	49.47	0	0.689	0.052
57			365		SBC13	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
58			253		SBC16	321	4.35	0.60	1.25	3.09	993.09	49.47	0	0.491	0.037
59			325		SBC17	320	4.35	0.60	1.25	3.09	990.00	49.47	0	0.490	0.037
60			350		SBC18	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
61			224		SBC19	448	4.35	0.60	1.25	3.09	1386.00	49.47	0	0.686	0.051
62			944		SBD1	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
63			943		SBD2	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
64			952		SBD3	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
	Total					**19391**					**70852.1**			**36.21**	**2.71**
						MNREGA WORK									
1			1031		CBA1	250	3.80	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
2			989		CBA2	50	3.80	0.50	1.10	2.37	118.25	69.66	0	0.082	0.006
3			988		CBA3	50	3.80	0.50	1.10	2.37	118.25	69.66	0	0.082	0.006
4			986		CBA4	50	3.80	0.50	1.10	2.37	118.25	69.66	0	0.082	0.006
5			944		SBA9	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
6			964		SBA10	400	3.80	0.50	1.10	2.37	946.00	69.66	0	0.659	0.049
7			941		SBA11	600	3.80	0.50	1.10	2.37	1419.00	69.66	0	0.988	0.074
8			1378		CBB1	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
9			1373		CBB2	300	3.80	0.50	1.10	2.37	709.50	69.66	0	0.494	0.037
10			1353		CBB3	300	3.80	0.50	1.10	2.37	709.50	69.66	0	0.494	0.037
11			1218		CBB4	250	3.80	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
12			1331		CBB5	100	3.80	0.50	1.10	2.37	236.50	69.66	0	0.165	0.012
13			1299		CBB6	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
14			1243		SBB12	350	4.25	0.50	1.25	2.97	1039.06	69.66	0	0.724	0.054
15			960		SBB13	400	4.25	0.50	1.25	2.97	1187.50	69.66	0	0.827	0.062
16			1061		SBB33	700	4.70	0.50	1.40	3.64	2548.00	69.66	0	1.775	0.133
17			995		SBB34	200	4.70	0.50	1.40	3.64	728.00	69.66	0	0.507	0.038
18			1069		SBB35	600	4.70	0.50	1.40	3.64	2184.00	69.66	0	1.521	0.114
19			1088		SBB36	350	4.70	0.50	1.40	3.64	1274.00	69.66	0	0.887	0.067
20			1272		SBB37	400	4.70	0.50	1.40	3.64	1456.00	69.66	0	1.014	0.076
21			844		PBB1	400	3.80	0.50	1.10	2.37	946.00	69.66	0	0.659	0.049
22			1239		PBB2	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
23			832		PBB3	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
24			1093		PBB4	350	3.80	0.50	1.10	2.37	827.75	69.66	0	0.577	0.043

25			1096		PBB5	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
26			998		PBB6	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
27			982		PBB7	300	3.80	0.50	1.10	2.37	709.50	69.66	0	0.494	0.037
28			817		PBB8	250	3.80	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
29			1097		MBB1	300	3.80	0.50	1.10	2.37	709.50	69.66	0	0.494	0.037
30			910		MBB2	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
31			948		MBB3	300	3.80	0.50	1.10	2.37	709.50	69.66	0	0.494	0.037
32			679		GPB1	100	9.50	2.00	2.50	14.38	1437.50	81.90	0	1.177	0.088
33			721		CBC1	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
34			650		CBC2	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
35			486		CBC3	400	3.80	0.50	1.10	2.37	946.00	69.66	0	0.659	0.049
36			492		CBC4	300	3.80	0.50	1.10	2.37	709.50	69.66	0	0.494	0.037
37			208		CBC5	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
38			221		CBC6	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
39			667		SBC5	400	4.55	0.50	1.35	3.41	1363.50	69.66	0	0.950	0.071
40			656		SBC6	400	4.55	0.50	1.35	3.41	1363.50	69.66	0	0.950	0.071
41			505		SBC7	300	4.55	0.50	1.35	3.41	1022.63	69.66	0	0.712	0.053
42			311		SBC14	250	4.55	0.50	1.35	3.41	852.19	69.66	0	0.594	0.045
43			313		SBC15	250	4.55	0.50	1.35	3.41	852.19	69.66	0	0.594	0.045
44			226		SBC20	350	4.55	0.50	1.35	3.41	1193.06	69.66	0	0.831	0.062
45			240		SBC21	400	4.55	0.50	1.35	3.41	1363.50	69.66	0	0.950	0.071
46			244		SBC22	400	4.55	0.50	1.35	3.41	1363.50	69.66	0	0.950	0.071
47			282		WHBC1	250	9.50	2.00	2.50	14.38	3593.75	81.90	0	2.943	0.221
48			287		GPC1	90	9.50	2.00	2.50	14.38	1293.75	81.90	0	1.060	0.079
49			239		GPC2	80	9.50	2.00	2.50	14.38	1150.00	81.90	0	0.942	0.071
50			949		CDD1	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
51			950		SBD4	250	4.10	0.50	1.20	2.76	690.00	69.66	0	0.481	0.036
	Total					**13870**					**45417.3**			**32.547**	**2.442**

G. Panchayat – Sujuwa		MWS Name- Karri													
	Village: Karri														
Sr. No.	Name of the beneficiary	Caste SC-ST/Others	Khasara No.	Area (ha)	Activity (Proposed)	Length (M)	Breadth (Cm)	Top width (Cm)	Height (Cm)	Cross Section (m2)	E.W. (Cum)	Rate per (Cum)	Safe structure No. & cost	Total Cost (Rs.)	Contribution in shape of Lab/cash
1	Thakur Das,Mulayam,		4,5	1.333	SB A1	1100	4.35	0.60	1.25	3.09	3403	49.47	0	1.684	0.126
	Rameswer,Promad,Dharm Pal		6	0.66											
	Vinte,Prem Narayan		8, 16, 17	1.532											
	Pooja,Kandhedi,Uttam		18,19, 20	0.372											
	Etc.		21	0.39											
				0.364											
				0.79											
				1.777											
				0.688											
				1.267											
				9.173											
2	Ghan Shayam,Gulab Ram		24, 25, 26	1.311	SB A2	900	4.35	0.60	1.25	3.09	2784	49.47	0	1.377	0.103
	Laxmi,Sitaram,		28, 29, 30	1.858											
	Mohan,Parmanand,Ram Prasad		31, 32, 33	1.036											
	Jagannath,Klabati			1.206											
	Etc.			0.878											
				0.445											
				1.465											
				1.088											
				0.725											
				0.740											
				10.752											
3	Aasa Ram,Sarman Lal		93, 94	0.583	SB A3	600	4.35	0.60	1.25	3.09	1856	49.47	0	0.918	0.069
	Brij Bhushan,Govind Das		95, 97	0.364											
	Badri,Kanhiya		98, 99	0.497											

				1.505											
				3.389											
				1.643											
				1.712											
				9.693											
				9.693											
4	Buddhu		268/1	0.873	SB A4	150	4.35	0.60	1.25	3.09	464	49.47	0	0.230	0.017
	Buddhu		268/2	0.049											
	Banjar		269	0.008											
	Prabhu Dayal Bhiya		270	0.085											
	Raja			**1.015**											
5	Sanjeev Kumar, Tunde		101	0.623	SB A5	450	4.35	0.60	1.25	3.09	1392	49.47	0	0.689	0.052
	Aalok Kumar@Bhjju		102	3.525											
	Lakhan Lal		103	1.068											
	Aasaram		104	0.785											
	Buchchu, Hallu, Bhjju, Lallu		105	1.307											
	Virendra Kumar, Pintu			**7.308**											
6	Laxmi Prasad		35	2.237	SB A6	275	4.35	0.60	1.25	3.09	850	49.47	0	0.421	0.032
	Etc.														
7			44	1.388	SB A7	200	4.35	0.60	1.25	3.09	618	49.47	0	0.306	0.023
			45	0.692											
			46	1.793											
				3.873											
8	Daya Ram, Aasa Ram		39, 40	0.178	SBA8	450	4.35	0.60	1.25	3.09	1392	49.47	0	0.689	0.052
	Rati Ram, Ravina Khatun		41	0.178											
	Hardayal, Gopi, Prem			-											
	Dayaram, Narayan			0.575											
			42, 43	1.384											
			44, 45	1.388											
				0.692											
				1.793											
				0.518											

				6.706											
9	Harnarayan		50	1.497	SBA9	250	4.35	0.60	1.25	3.09	773	49.47	0	0.383	0.029
	Amit Kumar		-	-											
	Masalti etc.		51	0.680											
			52	3.097											
				5.274											
10	Prakash, Bhagchand		55	1.420	SBA10	100	4.35	0.60	1.25	3.09	309	49.47	0	0.153	0.011
	Brij Kishor														
11	Ram Prasad,		108	0.308	SBA11	300	4.20	0.60	1.20	2.88	864	49.47	0	0.427	0.032
	Makhan, Devendra, Kalabati		109	0.340											
	Hanumant Sharan		110	0.567											
	Thakur Dhanusdhari Ji		111	1.582											
	Ratan Dhuliya @Lallabai		112	6.560											
	Devandra, Ravindra, Surendra		113	0.571											
	Girja Devi,		114	0.282											
	Vihari Lal		115	0.287											
	Raj Kumar		116	1.218											
	Bal Kishan, Etc.			**11.715**											
12	Bajeer Mohmmad		245	0.563	SBA12	350	4.20	0.60	1.20	2.88	1008	49.47	0	0.499	0.037
	Pratipal , Durgpal, Ramsevak, Puspendra		246	0.789											
	Manish, Jamuna Devi, Manoj, Ramkali		247	2.549											
	Ramsahay, Janki, Shibu, Gyasi		267/1	3.403											
	Girja Devi		267/2	0.369											
				7.673											
13	Nurbkhsh		244/1	3.905	SBA13	300	4.20	0.60	1.20	2.88	864	49.47	0	0.427	0.032
			244/2	0.166											
	Nurbkhsh		250/1	0.040											
	Rajesh Kumar, Etc.		250/2	0.029											
			250/3	0.113											
				4.253											
14	Nurbkhsh		244	3.905	SBA14	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
				0.166											

				4.071											
15	Sirajuddin, Etc.		232	3.133	SBA15	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
	Hallu		233	0.619											
	Bali Mohammad, Najeer Mohammad		241/1	0.429											
	Nurbkhsh		241/2	0.380											
				4.561											
16	Ganesh		131	1.056	SBA16	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
	Govind Das, Kashiram		132	3.092											
				4.148											
17	Aasaram, Ramdayal, Hardayal		152	0.874	SBA26	150	4.95	0.60	1.45	4.02	603	49.47	0	0.299	0.022
	Gopi, Premnarayan		156												
18	Hiralal, Lallu, Laxmi		154	1.011	SBA27	250	4.95	0.60	1.45	4.02	1005	49.47	0	0.498	0.037
	Aasaram, Ramdayal		155	1.684											
				2.695											
19	Rameswar Prasad, Etc.		181	2.493	SBA28	100	4.95	0.60	1.45	4.02	402	49.47	0	0.199	0.015
20	Laxmiprasad		162/1	1.890	SBA29	200	4.95	0.60	1.45	4.02	804	49.47	0	0.398	0.030
	Laxmiprasad		162/2	1.619											
21	Manuva,		185	2.136	SBA30	300	4.95	0.60	1.45	4.02	1207	49.47	0	0.597	0.045
	Ramprasad, ManKunvar, Makhan, Devendra		187	1.514											
	Kalabati, Hallu, Anri, Yoglal		196	0.615											
	Paltu			**4.265**											
22	Laxmiprasad		198	3.796	SBA31	250	4.95	0.60	1.45	4.02	1005	49.47	0	0.498	0.037
23	Gariba,		193	1.659	SBA32	300	4.95	0.60	1.45	4.02	1207	49.47	0	0.597	0.045
	Kathle		194	2.016											
	Manu, Prabhudayal,Lakhan, Ratan		224	0.995											
				4.67											
24	Khadi		404	0.490	SBA33	350	4.20	0.60	1.20	2.88	1008	49.47	0	0.499	0.037
	Rajkumar		494	0.906											

	Rakesh, Mukesh		503/1	0.741											
			503/2	0.120											
			486/1	0.280											
	Ramsahay		486/2	0.243											
	Rajaram, Ramprakash, Aasaram		486/3	0.243											
	Ghocha, Gyadeen		488	0.575											
			497	0.200											
				3.798											
25	Rupnarayan, Ramnarayan, Premnarayan		437/1	0.458	SBA34	300	4.20	0.60	1.20	2.88	864	49.47	0	0.427	0.032
			437/2	0.890											
	Abdul Sattar, Abdul Gaffar		437/3	0.142											
	Rajkumar		438	0.530											
	Sushiladevi, Fuladevi		439/1	0.668											
	,		439/2	0.125											
	Ramesh		440/1	0.348											
	Laxmiprasad		440/2	0.369											
			440/3	0.174											
				3.704											
	Mohan, Etc														
	Jamunaprasad, Parmal														
26			428/1	1.352	SBA35	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
	Shayamlal		428/2	1.299											
			428/3	0.101											
			428/4	0.530											
				3.282											
27	Baboo, Etc.		408/1	0.312	SBA36	250	4.20	0.60	1.20	2.88	720	49.47	0	0.356	0.027
	Kadhedi		408/2	0.162											
	Masalti		408/3	0.983											
	Masalti		409/1	0.231											
	3		409/2	0.267											
	Bhardhan, Devendra, Klabati		410/1	0.608											
			410/2	0.440											
				3.003											
28	Devi Dayaal, Prabhu Dayal		262	1.947	SBA37	170	4.20	0.60	1.20	2.88	489.	49.47	0	0.242	0.018

	Halkai		265/1	1.315											
			265/2	0.113											
	Summer		266/1	0.781											
			266/2	0.222											
				4.378											
29	Khchore,		291/1	0.570	SBA38	150	4.20	0.60	1.20	2.88	432.0	49.47	0	0.214	0.016
	Parmole		291/2	0.729											
	Motilal, Bhagirath		291/3	0.995											
	Ramesh, Prakashchandr, Balmukund		291/4	0.570											
	Ballu, Gyasi		291/5	0.279											
	Kalicharan, Kusuma		291/6	0.409											
	Hannu, Bhuri		291/7	0.409											
	Chandrabhan, Parbati		291/8	0.409											
			291/9	0.607											
				4.977											
30	Baijnath		379/1	0.432	SBA39	150	4.20	0.60	1.20	2.88	432.0	49.47	0	0.214	0.016
	Ramlal		379/2	0.906											
	Chhandi		379/3	0.490											
	Sitaram		379/4	0.809											
	Ramsevak, Manohar, Puspendra, Manish, Jamunadevi		379/5	0.809											
	Muntai		379/6	0.331											
	Shankar		379/7	0.126											
			379/8	0.126											
			379/9	0.208											
				4.237											
31	Mohan, Munnalal, Ramcharan, Ramdeen		431	0.486	SBA40	100	4.20	0.60	1.20	2.88	288.0	49.47	0	0.142	0.011
	Kashiram, Sumitra, Jamuna, Parmlal		443/1	0.809											
	Khari		443/2	0.610											
				1.905											
32	Baboo		425	0.287	SBA41	300	4.20	0.60	1.20	2.88	864.0	49.47	0	0.427	0.032
	Shayamlal		427/1	0.530											
	Murad Khan, Sultan, Islam, Chand Khan		427/2	0.267											
	Man Khan		442	0.364											
				1.448											

33	Khadi @ Bhagvandas		420	0.20	SBA42	150	4.20	0.60	1.20	2.88	432.0	49.47	0	0.214	0.016
	Khadi		447/1	0.809											
			447/2	0.259											
				1.27											
34	Shekh Gafur Khan, Etc.		456	0.280	SBA43	160	4.20	0.60	1.20	2.88	460.8	49.47	0	0.228	0.017
	Mansur, Etc.		467/1	0.636											
			467/2	0.40											
				1.316											
35	Jairam, Kalicharan, Hira,		460	2.969	SBA44	250	4.35	0.60	1.25	3.09	773.4	49.47	0	0.383	0.029
	Shekh Gafur Khan, Janki, Narandas, Etc.		465	2.376											
				5.345											
36	Urmila Devi, Ram Kumari		505	0.008	SBA42	600	4.35	0.60	1.25	3.09	1856	49.47	0	0.918	0.069
	Alladeen, Kamruuddin		519	1.133											
				1.141											
37	Amar Singh, Viharilal, Ramkumar		526	2.006	SBA42	150	4.35	0.60	1.25	3.09	464.0	49.47	0	0.230	0.017
38	Sitasharan, Manibano, Fokfo, Rahis Khan,Etc.		528	0.525	SBA42	350	4.35	0.60	1.25	3.09	1082	49.47	0	0.536	0.040
	Shayam		543	1.477											
				2.002											
39	Pariyuma, Nathu, hari Singh, Kishan Dayal, Etc.		576	0.231	SBA42	300	4.35	0.60	1.25	3.09	928	49.47	0	0.459	0.034
40			552	3.701	SBA42	400	4.35	0.60	1.25	3.09	1237	49.47	0	0.612	0.046
			554	2.330											
				6.031											
41			553	3.701	SBA50	150	4.35	0.60	1.25	3.09	464	49.47	0	0.230	0.017
42			573	0.725	SBA51	100	4.35	0.60	1.25	3.09	309	49.47	0	0.153	0.011
43			527	-	SBA52	250	4.35	0.60	1.25	3.09	773	49.47	0	0.383	0.029
			540	-											
44			216		SBA53	250	4.35	0.60	1.25	3.09	773	49.47	0	0.383	0.029
			208												

45			220		SBA54	200	4.35	0.60	1.25	3.09	618	49.47	0	0.306	0.023
46	Khachora		56, 36	0.66	WHB-A1	200	7.50	1.50	2.00	9.00	1800	56.75	0	1.022	0.077
47	Brindavan, Matadeen, Viharilal		223	7.738	GPA1	50	7.80	1.50	2.10	9.77	488	56.75	0	0.277	0.021
	Haridas		1164												
48	Nala		221	1.781	GPA2	50	7.80	1.50	2.10	9.77	488	56.75	0	0.277	0.021
			222	0.291											
			1114	**2.072**											
49			458		GPA3	50	7.80	1.50	2.10	9.77	488	56.75	0	0.277	0.021
			450												
			452												
50			470		GPA4	50	7.80	1.50	2.10	9.77	488	56.75	0	0.277	0.021
			469												
			485												
								7.80	1.50	2.10	9.77				
51			223-1164		GPA_1	50	7.80	1.50	2.10	9.77	488	56.75	0	0.277	0.021
52			221-1114		GPA_2	50	7.80	1.50	2.10	9.77	488	56.75	0	0.277	0.021
53			458-452		GPA_3	50	7.80	1.50	2.10	9.77	488	56.75	0	0.277	0.021
54			470-485		GPA_4	50	7.80	1.50	2.10	9.77	488	56.75	0	0.277	0.021
55	Omprakash, Shree Kalicharan, Etc.		227	0.202	CDA_1	80	8.90	2.00	2.30	12.54	1002	56.75	0	0.569	0.043
	Bihari		276	0.890											
				1.092											
56	Kanhedi, Jamna, Chhandi, Khachore		387	2.847	CDA_2	75	9.50	2.00	2.50	14.38	1078	56.75	0	0.612	0.046
	Khrdi, Ghanshayam Das, Ramkishor, Etc.		386	1.724											
	Brijdayal, Mohan, Jamuna Prasad, Etc.		396	1.425											
	Banjar		399	1.098											
				7.094											
57	Urmila Devi, Ram Kumari @ Soni		505	0.008	CDA_3	75	9.50	2.00	2.50	14.38	1078	56.75	0	0.612	0.046
	Nadi		463	1.801											
	charagaha		464	8.094											

				9.903											
	Total					**13685**					**49253**			**25.02**	**1.876**
Village - BASWAHA															
1			1587		CDB1	100	9.50	2.00	2.50	14.4	1437	56.75	0	0.816	0.061
			1504												
			1594												
			1505												
			1593												
			1420												
			1591												
			1419												
2			1598		CDB2	100	9.50	2.00	2.50	14.4	1437	56.75	0	0.816	0.061
			1599												
			1600												
			1601												
			1602												
			1500												
			1496												
			1501												
			1502												
3			107		CDC1	110	8.90	2.00	2.30	12.6	1378	56.75	0	0.782	0.059
4			938		SBB1	400	4.10	50	120	2.76	1104	49.47	0	0.546	0.041
			953												
5			939		SBB2	150	4.10	50	120	2.76	414.0	49.47	0	0.205	0.015
			993												
6			948		SBB3	350	4.10	50	120	2.76	966.0	49.47	0	0.478	0.036
			954												
7			969		SBB4	300	4.10	50	120	2.76	828.0	49.47	0	0.410	0.031
			972												
			973		SBB5	250	4.10	50	120	2.76	690.0	49.47	0	0.341	0.026
8			974												
9			A		SBB6	200	4.10	50	120	2.76	552.0	49.47	0	0.273	0.020
			B												
10			1085		SBB7	200	4.10	50	120	2.76	552.0	49.47	0	0.273	0.020
11			1092		SBB8	300	4.10	50	120	2.76	828.0	49.47	0	0.410	0.031
			1224												
12			1572		SBB9	250	4.10	50	120	2.76	690.0	49.47	0	0.341	0.026
			1560												
13			1384		SBB10	300	4.10	50	120	2.76	828.0	49.47	0	0.410	0.031

			1390												
14			1378		SBB11	150	4.10	50	120	2.76	414.0	49.47	0	0.205	0.015
			1376												
15			1375		SBB12	150	4.10	50	120	2.76	414.0	49.47	0	0.205	0.015
			1372												
16			1392		SBB13	250	4.10	50	120	2.76	690.0	49.47	0	0.341	0.026
			1400												
17			1388		SBB14	200	4.10	50	120	2.76	552.0	49.47	0	0.273	0.020
			1411												
18			1401		SBB15	200	4.10	50	120	2.76	552.0	49.47	0	0.273	0.020
			1408												
19			1402		SBB16	100	4.10	50	120	2.76	276.0	49.47	0	0.137	0.010
20			1424		SBB17	300	4.10	50	120	2.76	828.0	49.47	0	0.410	0.031
			1403												
21			1426		SBB17	300	4.10	50	120	2.76	828.0	49.47	0	0.410	0.031
22					SBB19	150	4.10	50	120	2.76	414.0	49.47	0	0.205	0.015
23			1409		SBB20	150	4.10	50	120	2.76	414.0	49.47	0	0.205	0.015
24			1470		SBB21	350	4.10	50	120	2.76	966.0	49.47	0	0.478	0.036
			1471												
25			1489/A		SBB22	200	4.10	50	120	2.76	552.0	49.47	0	0.273	0.020
			1489/B												
26			1489		SBB23	250	4.10	50	120	2.76	690.0	49.47	0	0.341	0.026
27			147		SBB24	150	4.10	50	120	2.76	414.0	49.47	0	0.205	0.015
			1489												
28			1489		SBB25	100	4.10	50	120	2.76	276.0	49.47	0	0.137	0.010
29	Sector Road		102	0.308	SBC1	250	4.70	50	140	3.64	910.0	49.47	0	0.450	0.034
30	Badri Prasad		103	2.381											
				2.689											
31	Ghanshayam		101	0.021	SBC2	200	4.70	50	140	3.64	728.0	49.47	0	0.360	0.027
	Deendayal		100	0.022											
				0.043											
32	Shkur Khan		110	0.552	SBC3	250	4.70	50	140	3.64	910.0	49.47	0	0.450	0.034
	Nathu		108	0.932											
				1.484											
33	Pancham Lal		97	0.021	SBC4	300	4.70	50	140	3.64	1092	49.47	0	0.540	0.041
	Narayan Das		98	0.021											
	Deendayal		100	0.022											

	Rajabeti		119	0.521											
	Raghuvar		122	1.63											
				2.215											
34	Deshraj		89	0.156	SBC5	150	4.70	50	140	3.64	546.0	49.47	0	0.270	0.020
	Rajaram		123	0.489											
35	Pratap Singh		142	0.78	SBC6	300	4.70	50	140	3.64	1092	49.47	0	0.540	0.041
	Chak Road		138	0.034											
36			775		SBD1	300	4.25	50	125	2.97	890.6	49.47	0	0.441	0.033
			750												
37			80		SBD2	300	4.25	50	125	2.97	890.6	49.47	0	0.441	0.033
			759												
38			877		SBD3	250	4.25	50	125	2.97	742.1	49.47	0	0.367	0.028
			872												
39			895		SBD4	350	4.25	50	125	2.97	1039	49.47	0	0.514	0.039
40			741		SBD5	200	4.25	50	125	2.97	593.7	49.47	0	0.294	0.022
			739												
41			723		SBD6	100	4.25	50	125	2.97	296.8	49.47	0	0.147	0.011
42			1166		WHB B1	328	9.50	150	210	11.5	3788	56.75	0	2.150	0.161
			1167												
			1629												
43			1141		GPB1	150	10.50	150	210	12.6	1890.	56.75	0	1.073	0.080
			1146												
			1450												
44			1146		GPB2	150	11.20	200	230	15.1	2277	56.75	0	1.292	0.097
			1141												
	Total					**9588**					**37670**			**19.53**	**1.46**
TODIFATEHPUR															
1			41		GPE1	80	10.50	150	210	12.6	1008	56.75	0	0.572	0.043
2			61		SBE1	200	4.25	50	125	2.97	593.7	49.47	0	0.294	0.022
3			63												
			2		SBE2	187	4.25	50	125	2.97	555.1	49.47	0	0.275	0.021
	Total					**467**					**2157**			**1.141**	**0.086**

MNREGA WORK

Village - KARRI

Sr. No.	Name of the beneficiary	Caste SC-ST/Othe	Khasara No.	Area (ha)	Activity (Proposed)	Length (Cm)	Breadth (Cm)	Top width (Cm)	Height (Cm)	Cross Section (m2)	E.W. (Cum)	Rate per (Cum)	Safe structure	Total Cost (Rs.)	Contribution in shape of

		rs											No. & cost		Lab/cash
1			5		CBA1	300	290	50	80	1.36	408.00	69.66	0	0.284	0.021
2			91, 96		CBA2	400	290	50	80	1.36	544.00	69.66	0	0.379	0.028
3			184, 196		CBA3	300	290	50	80	1.36	408.00	69.66	0	0.284	0.021
4			45		CBA4	100	290	50	80	1.36	136.00	69.66	0	0.095	0.007
5			115		CBA5	100	290	50	80	1.36	136.00	69.66	0	0.095	0.007
6			284		CBA6	250	290	50	80	1.36	340.00	69.66	0	0.237	0.018
7			234, 236		CBA7	100	290	50	80	1.36	136.00	69.66	0	0.095	0.007
8			145, 146		CBA8	200	290	50	80	1.36	272.00	69.66	0	0.189	0.014
9			500		CBA9	200	290	50	80	1.36	272.00	69.66	0	0.189	0.014
10			494 to 509		CBA10	450	290	50	80	1.36	612.00	69.66	0	0.426	0.032
11			118 to 122		SBA17	450	350	50	115	2.30	1035.00	69.66	0	0.721	0.054
12			127, 123		SBA18	450	350	50	115	2.30	1035.00	69.66	0	0.721	0.054
13			143, 142		SBA19	200	350	50	115	2.30	460.00	69.66	0	0.320	0.024
14			139 to 133		SBA20	350	350	50	115	2.30	805.00	69.66	0	0.561	0.042
15			176 to 171		SBA21	300	410	50	120	2.76	828.00	69.66	0	0.577	0.043
16			179		SBA22	150	410	50	120	2.76	414.00	69.66	0	0.288	0.022
17			179		SBA23	150	410	50	120	2.76	414.00	69.66	0	0.288	0.022
18			164, 163, 167		SBA24	200	410	50	120	2.76	552.00	69.66	0	0.385	0.029
19			180, 82		SBA25	100	410	50	120	2.76	276.00	69.66	0	0.192	0.014
20			257, 251		MBA1	200	410	50	120	2.76	552.00	69.66	0	0.385	0.029
21			552		MBA2	300	410	50	120	2.76	828.00	69.66	0	0.577	0.043
22			598, 595		MBA3	250	410	50	120	2.76	690.00	69.66	0	0.481	0.036
23			930		MBB1	350	350	50	110	2.20	770.00	69.66	0	0.536	0.040
24			931		MBB2	200	350	50	110	2.20	440.00	69.66	0	0.307	0.023
25			1472		MBB3	200	350	50	110	2.20	440.00	69.66	0	0.307	0.023
26			262		PBA1	100	350	50	110	2.20	220.00	69.66	0	0.153	0.011
27			283, 287		PBA2	150	350	50	110	2.20	330.00	69.66	0	0.230	0.017

28			394, 405, 401		PBA3	150	350	50	110	2.20	330.00	69.66	0	0.230	0.017
29			394		PBA4	100	350	50	110	2.20	220.00	69.66	0	0.153	0.011
30			390, 391		PBA5	200	350	50	110	2.20	440.00	69.66	0	0.307	0.023
31			392		PBA6	100	350	50	110	2.20	220.00	69.66	0	0.153	0.011
32			417		PBA7	100	350	50	110	2.20	220.00	69.66	0	0.153	0.011
33			421		PBA8	100	350	50	110	2.20	220.00	69.66	0	0.153	0.011
34			411, 424		PBA9	100	350	50	110	2.20	220.00	69.66	0	0.153	0.011
						500	300	50	80	1.40	700.00	69.66	0	0.488	0.037
35			1441, 1442		WHB B2	350	850	180	175	9.01	3154.38	69.66	0	2.197	0.165
			1443, 1427												
			1428												
36			1569, 1570		GPB4	100	1050	150	210	12.60	1260.00	69.66	0	0.878	0.066
			1574, 1449												
			1447												
37			1501		GPB5	120	1050	150	210	12.60	1512.00	69.66	0	1.053	0.079
38			1552		CBB1	200	300	50	80	1.40	280.00	69.66	0	0.195	0.015
			1560												
39			1233, 1237		CBB2	200	300	50	80	1.40	280.00	69.66	0	0.195	0.015
40			A		CBB3	150	300	50	80	1.40	210.00	69.66	0	0.146	0.011
41			966, 965		CBB4	150	300	50	80	1.40	210.00	69.66	0	0.146	0.011
42			933, 934		CBB5	150	300	50	80	1.40	210.00	69.66	0	0.146	0.011
43			862, 868		CBB6	300	300	50	80	1.40	420.00	69.66	0	0.293	0.022
44			1455, 1488		CBB26	250	410	50	120	2.76	690.00	69.66	0	0.481	0.036
45			1583		CBB27	250	410	50	120	2.76	690.00	69.66	0	0.481	0.036
46			1576		CBB28	250	410	50	120	2.76	690.00	69.66	0	0.481	0.036
			1571												
			1578												
			1579												

47			1609		CBB29	250	410	50	120	2.76	690.00	69.66	0	0.481	0.036
48			1215		CBB30	250	410	50	120	2.76	690.00	69.66	0	0.481	0.036
			1216												
			1217			250	410	50	120	2.76	690.00	69.66	0	0.481	0.036
			1218												
			1219												
			1220												
49			1212		CBB31	250	410	50	120	2.76	690.00	69.66	0	0.481	0.036
			1210												
			1211												
50			1206		CBB32	200	410	50	120	2.76	552.00	69.66	0	0.385	0.029
			1205												
			1204												
51			1104		CBB33	250	410	50	120	2.76	690.00	69.66	0	0.481	0.036
			1085												
52			1137		CBB34	250	410	50	120	2.76	690.00	69.66	0	0.481	0.036
			1138												
			1139												
			1140												
			1141												
			1142												
53			1129		CBB35	200	410	50	120	2.76	552.00	69.66	0	0.385	0.029
			1127												
			1128												
			1126												
54			1177		CBB36	300	410	50	120	2.76	828.00	69.66	0	0.577	0.043
			1190												
55			1184		CBB37	150	410	50	120	2.76	414.00	69.66	0	0.288	0.022
			1185												
			1186												
56			1096		CBB38	225	410	50	120	2.76	621.00	69.66	0	0.433	0.032
			1181												
57			1130, 1098		CBB39	250	410	50	120	2.76	690.00	69.66	0	0.481	0.036
58			1164		CBB40	250	410	50	120	2.76	690.00	69.66	0	0.481	0.036
59			837		CBD1	100	350	50	110	2.20	220.00	69.66	0	0.153	0.011
	Total					**13495**					**34236**			**23.853**	
Village : ATNIYA															
1			B		CBD2	250	350	50	110	2.20	550.00	69.66	0	0.383	0.029

			755												
2			742		CBD3	200	350	50	110	2.20	440.00	69.66	0	0.307	0.023
			743												
	Total					**450**					**990.00**			**0.690**	
	DHANA VILGAON														
1			104, 103		CBC1	100	250	50	100	1.50	150.00	69.66	0	0.104	0.008
2			108, 126		CDD2	120	1250	100	150	10.13	1215.00	69.66	0	0.846	0.063
			142												
3			837, 3		CBD1	100	350	50	110	2.20	220.00	69.66	0	0.153	0.011
4			755		CBD2	250	350	50	110	2.20	550.00	69.66	0	0.383	0.029
5			742, 43		CBD3	200	350	50	110	2.20	440.00	69.66	0	0.307	0.023
6			767 tO 770		CBD7	150	470	50	140	3.64	546.00	69.66	0	0.380	0.029
7			738		CBD8	200	470	50	140	3.64	728.00	69.66	0	0.507	0.038
8			842, 852		PBD1	150	435	60	125	3.09	464.06	69.66	0	0.323	0.024
9			760, 772, 771		GPD1	80	470	60	150	3.98	318.00	69.66	0	0.222	0.017
10			3		SBE3	213	470	60	150	3.98	846.68	69.66	0	0.590	0.044
11			47, 48		PBE1	100	470	60	150	3.98	397.50	69.66	0	0.277	0.021
12			15, 16, 11		PBE2	140	470	60	150	3.98	556.50	69.66	0	0.388	0.029
13			104		CBC1	100	290	60	80	1.40	140.00	69.66	0	0.098	0.007
14			105		PBC1	100	290	60	80	1.40	140.00	69.66	0	0.098	0.007
15			106												
16			126		PBC2	200	290	60	80	1.40	280.00	69.66	0	0.195	0.015
	Total					**2203**					**6992**			**4.871**	

IWMP-II , MWS Name- Pandwaha

G. Panchayat - Pandwaha

Sr. No.	Name of the beneficiary	Khasara No.	Area (ha)	Activity (Proposed)	Length (M)	Breadth (M)	Top width (M)	Height (Cm)	Cross Section (m2)	E.W. (Cum)	Rate per (Cum)	Safe structure No. & cost	Total Cost (Rs.)	Contribution in shape of Lab /cash
1	Asharam	923	0.368	SBA1	750	4.65	0.60	1.35	3.54	2657.81	49.47	0	1.315	0.099
	Moti Lal	924	2.238											
	Lallu	925	2.772											
	Krishn Murari	928	2.493											
	Ramesh Chandra etc.	929	1.967											
	Savitri Devi	930/1	2.226											
	Govind Das	931	1.364											
			13.428											
2	Imam Khan, Husain Khan	1077	0.931	SBA2	400	4.65	0.60	1.35	3.54	1417.5	49.47	0	0.701	0.053

	Nand Lal	1079	0.550											
	Ramesh, Nand Lal, Hariom	1080	2.116											
	Vinod, Omprakash		3.597											
	Sukhnandan													
3	Krishn Kumar, Pankaj	1070	5.982	SBA3	300	4.65	0.60	1.35	3.54	1063.13	49.47	0	0.526	0.039
	Radhasaran, Jitendra, Manoj	1071	1.987											
	Laxmikant		7.969											
	Omprakash													
4	Ram Prasad	1065	1.315	SBA4	850	4.65	0.60	1.35	3.54	3012.19	49.47	0	1.490	0.112
	Anil Kumar	1066	1.55											
	Ramesh Chandra etc.	1076	7.976											
	Shyam Sundar	1075	2.116											
	Parsadi Lal, Ganesh	1059	0.478											
	Parmanand, Hardayal	1064	1.603											
			15.038											
5	Lallu	925	2.662	SBA5	750	4.65	0.60	1.35	3.54	2657.81	49.47	0	1.315	0.099
	Omprakash	926	2.780											
	Laxmi Narayan	927	2.869											
	Ram Gopal, Suraj Pal	932	0.664											
	Nathuram	933/1	2.259											
	Rameshwar	934	0.567											
6	SBA1	923 to 0931	13.428	SB A1	750	4.65	0.60	1.35	3.54	2657.81	49.47	0	1.315	0.099
7	SBA2	1069 to 7780	3.597	SBA2	400	4.65	0.60	1.35	3.54	1417.5	49.47	0	0.701	0.053
8	SBA3	1070, 71	7.969	SBA3	300	4.65	0.60	1.35	3.54	1063.13	49.47	0	0.526	0.039
9	SBA4	1065, 1075, 1066, 69	15.038	SBA4	850	4.65	0.60	1.35	3.54	3012.19	49.47	0	1.490	0.112
10	SBA5	925 to 934	11.801	SBA5	750	4.65	0.60	1.35	3.54	2657.81	49.47	0	1.315	0.099
			51.833		3050					10808.4			5.347	0.401020052
11	Laxmi Narayan	948	3.703	SBA6	400	4.35	0.60	1.25	3.09	1237.5	49.47	0	0.612	0.046
	Ravindra Kumar, Ram Prasad	945	3.388											
	Brajesh,	938	1.089											

	Bhoopendra													
	Rajendra Prasad	934	0.567											
	Rameshwar	1051	0.915											
	Bhagat Ram	1052	0.866											
	Swami Prasad		10.528											
12	Kailash Narayan	1044	2.222	SBA7	300	4.35	0.60	1.25	3.09	928.125	49.47	0	0.459	0.034
	Ramdeen	1042	2.343											
	Kashi Prasad		1.870											
			6.435											
13	Ramesh, Hariom, Vinod	944	1.764	SBA8	500	4.35	0.60	1.25	3.09	1546.88	49.47	0	0.765	0.057
	Shiv Kumar, Koora	947	0.302											
	Ram Kumar	951	4.015											
			6.081											
14	Manorama, Ram Kumar	940	1.145	SBA9	500	4.35	0.60	1.25	3.09	1546.88	49.47	0	0.765	0.057
	Vivek Kumar	941	1.093											
	Buddhi, Girdhari	942	0.943											
	Dwarka Prasad	943	0.935											
	Om Prakash, Puroshottam	956	2.347											
			6.463											
15	Naresh Kumar	1034	0.384	SBA10	650	4.35	0.60	1.25	3.09	2010.94	49.47	0	0.995	0.075
	Badri Prasad	1033	0.482											
	Alakh Prakash	1031	0.226											
	Jitendra Kumar	1028	0.421											
	Ravindra Singh, Bhupendra Singh	1027	1.736											
	Kailash Narayan	1048	3.986											
	Hariom, Vivek Kumar	1049	4.889											
			12.124											
16	Chidami, Dharam Pal Singh	896	1.433	SBA11	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
	Omprakash	897/1	0.380											
	Iqbal	897/2	0.200											
	Ram Prasad	897/3	0.700											
	Mahesh	897/4	0.186											
			2.899											
17	Deep Chandra, Pramod	1011	4.541	SBA12	250	4.35	0.60	1.25	3.09	773.438	49.47	0	0.383	0.029

	Shailendra Kumar	1014	1.032											
	Anil Kumar		5.573											
18	SBA6	948 to 1052	10.528	SBA6	400	4.35	0.60	1.25	3.09	1237.5	49.47	0	0.612	0.046
19	SBA7	1044, 43, 42	6.435	SBA7	300	4.35	0.60	1.25	3.09	928.125	49.47	0	0.459	0.034
20	SBA8	944, 951	6.081	SBA8	400	4.35	0.60	1.25	3.09	1237.5	49.47	0	0.612	0.046
21	SBA9	940 to 956	6.463	SBA9	500	4.35	0.60	1.25	3.09	1546.88	49.47	0	0.765	0.057
22	SBA10	1034 to 1049	12.124	SBA10	650	4.35	0.60	1.25	3.09	2010.94	49.47	0	0.995	0.075
23	SBA11	896 to 897	2.899	SBA11	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
24	SBA12	1011 to 14	5.573	SBA12	250	4.35	0.60	1.25	3.09	773.438	49.47	0	0.383	0.029
			50.103		2700					6960.94			3.444	0.258268184
25	Ramesh Chandra etc.	870	1.959	SBA18	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
			1.959											
26	Vijay Singh, Shankar Dayal	752	1.586	SBA19	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
	Devi	754	0.263											
			1.849											
27	Ram Prakash, Ram Kishan	740	1.072	SBA20	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
	Balram, Hira Lal	738	1.878											
			2.95											
28	Kamlesh Kumar	244	0.611	SBA21	400	4.20	0.60	1.20	2.88	1152	49.47	0	0.570	0.043
	Badri, Kashi Prasad	245	1.756											
	Dhaniram, Sundar Lal	250	1.234											
	Ramnarayan		3.601											
29	Alok Higher Secondary School	216	0.146	SBA22	100	4.20	0.60	1.20	2.88	288	49.47	0	0.142	0.011
			0.146											
30	Imran Khan	204	1.639	SBA23	250	4.20	0.60	1.20	2.88	720	49.47	0	0.356	0.027
		207	0.550											
			2.189											
30	Mahendra Kumar, Surendra, Arvind	910	0.259	SBA24	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
	Guliya, Tulla, Lalli	912	1.218											
			1.477											
31	Ram Prakash	900	0.024	SBA25	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
	Radha Krishn	903	1.425											
	Sitaram	906	1.129											

	Kanhai	908	0.186											
			2.764											
32	Kamlesh Singh	840	4.342	SBA26	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
			4.342											
33	Swami Prasad	851	1.203	SBA27	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
	Rahde Lal	852	1.886											
	Ram Kumar	853	1.344											
			4.433											
34	Mahipat, Ashok	820	2.274	SBA28	250	4.20	0.60	1.20	2.88	720	49.47	0	0.356	0.027
	Jagdish	822	2.545											
	Maan Singh	826	1.064											
	Mahesh Prasad	829	0.065											
	Brashbhaan, Dharampal	827	0.079											
			6.027											
35	Swami Prasad	832	1.943	SBA29	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
			1.943											
36	Pukkhan, Dharamdas, Chatole	842	0.413	SBA30	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
	Chiua	841	0.380											
	Kamlesh	843	0.121											
	Kamlesh	840	4.342											
	-	904	0.805											
	Asha, Krishnkant		6.061											
	SBA18	870	1.959	SBA18	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
	SBA19	752, 54	1.849	SBA19	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
	SBA20	740, 38	2.950	SBA20	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
	SBA21	244, 45, 50	3.601	SBA21	400	4.20	0.60	1.20	2.88	1152	49.47	0	0.570	0.043
	SBA22	216	0.146	SBA22	100	4.20	0.60	1.20	2.88	288	49.47	0	0.142	0.011
	SBA23	204, 07	2.189	SBA23	250	4.20	0.60	1.20	2.88	720	49.47	0	0.356	0.027
	SBA24	90, 12	1.477	SBA24	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
44	SBA25	900, 03, 06, 08	2.764	SBA25	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
45	SBA26	840	4.342	SBA26	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
46	SBA27	851, 52, 53	4.433	SBA27	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
47	SBA28	820, 22, 26, 29, 27	6.027	SBA28	250	4.20	0.60	1.20	2.88	720	49.47	0	0.356	0.027
48	SBA29	832	1.943	SBA29	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
49	SBA30	842, 41, 43, 904	6.061	SBA30	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
			39.741		2600					7488			3.704	0.278

50	Gaya Prasad	847	1.092	SBA31	300	4.35	0.60	1.25	3.09	928.125	49.47	0	0.459	0.034
	Mahipat Singh	848	2.861											
			3.953											
51	Bal Kishun	815	0.174	SBA32	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
	Arvind, Surndra	816	0.081											
	Suraj Prasad, Gulab, Jageshwar	818	3.436											
			3.691											
52	Mahipat, Ashok	820	2.274	SBA33	300	4.35	0.60	1.25	3.09	928.125	49.47	0	0.459	0.034
	Shailendra Kumar, Kapil	821	1.360											
	Rajaram, Dashrath	825	1.882											
			5.516											
	SBA31	847, 48	3.953	SBA31	300	4.35	0.60	1.25	3.09	928.125	49.47	0	0.459	0.034
	SBA32	815, 16, 18	3.691	SBA32	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
	SBA33	820, 21, 25	5.516	SBA33	300	4.35	0.60	1.25	3.09	928.125	49.47	0	0.459	0.034
			13.16		950					2939.06			1.454	0.109
53	Dayaram	186	0.567	GPA1	80	7.80	1.50	2.10	9.77	781.2	56.75	0	0.443	0.033
		184	0.441											
		232	0.227											
		233	0.081											
		231	0.469											
			1.785											
54	Brajendra Kumar	735	0.591	GPA2	100	7.80	1.50	2.10	9.77	976.5	56.75	0	0.554	0.042
	Arvind, Surendra Singh etc.	756	0.628											
			1.219											
55	Baddri Prasad, Ram Kishor etc.	406	0.632	GPA3	110	8.90	2.00	2.30	12.54	1378.85	56.75	0	0.782	0.059
	Ashok Kumar, Mahipat, Jagdish etc.	586	2.693											
		590	0.781											
			4.106											
56	GPA1	186, 184, 232, 233, 231	1.785	GPA1	80	9.90	2.10	2.60	15.60	1248	56.75	0	0.708	0.053
57	GPA2	735, 756	1.219	GPA2	100	7.80	1.50	2.10	9.77	976.5	56.75	0	0.554	0.042
58	GPA3	486, 586, 590	4.106	GPA3	110	8.90	2.00	2.30	12.54	1378.85	56.75	0	0.782	0.059
			7.110		290					3603.35			2.045	0.153
59	Nathu	745, 748	0.583	WHBA1	300	5.80	1.00	1.60	5.44	1632	56.75	0	0.926	0.069

	Omprakash	746, 749	0.607											
	Babulal, Kalika	757	0.041											
	Vijay Singh, Shankar Dayal		2.465											
			3.696											
60		584 to 596		SBB4	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
	Jhagdu	589	0.130											
	Lallu	593	0.320											
	Omprakash, Lallu	594	0.097											
		596	0.433											
			0.980											
61		483 to 480		SBB5	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
	Teda	479	0.401											
	Rakesh Kumar, Rajesh Kumar	480	0.591											
		484	0.182											
			1.174											
62	Dheere Lal, Imran, Manohar	496	0.436	SBB6	100	4.35	0.60	1.25	3.09	309.375	49.47	0	0.153	0.011
			0.436											
63	Prabhu Dayal, Shankar Lal etc.	607	0.454	SBB7	250	4.35	0.60	1.25	3.09	773.438	49.47	0	0.383	0.029
	Mahendra Singh, Jagatraj	608	0.206											
			0.66											
64	-	598		SBB8	250	4.35	0.60	1.25	3.09	773.438	49.47	0	0.383	0.029
		599												
		605												
	SBB4	584 to 596		SBB4	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
	SBB5	483 to 480		SBB5	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
	SBB6	496		SBB6	100	4.35	0.60	1.25	3.09	309.375	49.47	0	0.153	0.011
	SBB7	607 to 68		SBB7	250	4.35	0.60	1.25	3.09	773.438	49.47	0	0.383	0.029
	SBB8	598 - 605		SBB8	250	4.35	0.60	1.25	3.09	773.438	49.47	0	0.383	0.029
					1150					3557.81			1.760	0.132
65	SBB9	574		SBB9	200	4.80	0.60	1.40	3.78	756	49.47	0	0.374	0.028
		582												
		583												
66	SBB10	604		SBB10	200	4.80	0.60	1.40	3.78	756	49.47	0	0.374	0.028
67	SBB11	601		SBB11	150	4.80	0.60	1.40	3.78	567	49.47	0	0.280	0.021
		602												
68	SBB12	392		SBB12	150	4.80	0.60	1.40	3.78	567	49.47	0	0.280	0.021

		396												
69	SBB13	404		SBB13	350	4.80	0.60	1.40	3.78	1323	49.47	0	0.654	0.049
		410												
		420												
		422												
70	SBB14	418		SBB14	200	4.80	0.60	1.40	3.78	756	49.47	0	0.374	0.028
71	WHBB1	505		WHBB1	150	5.80	1.00	1.60	5.44	816	56.75	0	0.463	0.035
		512												
		534												
		511												
		535												
		536												
		537												
		538												
1	CDA1	693	0.421	CDA1	80	7.95	1.50	2.15	10.16	812.7	56.75	0	0.461	0.035
		722	0.275											
		724	0.012											
		726	0.004											
			0.712											
2	CDA2	727	0.255	CDA2	80	7.95	1.50	2.15	10.16	812.7	56.75	0	0.461	0.035
		726	0.004											
		725	2.610											
		756	2.235											
			5.104											
3	CDA3	782	0.571	CDA3	90	8.45	2.00	2.15	11.23	1011.04	56.75	0	0.574	0.043
		783	0.166											
		785	0.542											
		682	0.627											
			1.906											
1	CDA1	693-726	0.712	CDA1	80	7.95	1.50	2.15	10.16	812.7	56.75	0	0.461	0.035
2	CDA2	727-756	5.104	CDA2	80	7.95	1.50	2.15	10.16	812.7	56.75	0	0.461	0.035
3	CDA3	782-682	1.906	CDA3	90	8.45	2.00	2.15	11.23	1011.04	56.75	0	0.574	0.043
			7.722		250				31.55	2636.44			1.496	0.112
1	SBC1	530		SBC1	200	4.80	0.60	1.40	3.78	756	49.47	0	0.374	0.028
		536												
		535												
		504												
		582												
		583												
		541												
2	SBC2	999		SBC2	100	4.80	0.60	1.40	3.78	378	49.47	0	0.187	0.014

		568												
3	SBC3	545		SBC3	100	4.80	0.60	1.40	3.78	378	49.47	0	0.187	0.014
		523												
1	SBC1	503-541		SBC1	200	4.80	0.60	1.40	3.78	756	49.47	0	0.374	0.028
2	SBC2	999-568		SBC2	100	4.80	0.60	1.40	3.78	378	49.47	0	0.187	0.014
3	SBC3			SBC3	100	4.80	0.60	1.40	3.78	378	49.47	0	0.187	0.014
					400				11.34	1512			0.748	0.056
1	SBC4	889		SBC4	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
		891												
		886												
3	SBC6	20		SBC6	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
		24												
4	SBC7	19		SBC7	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
		16												
1	SBC4	889, 891		SBC4	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
2	SBC5	884, 886		SBC5	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
3	SBC6	20, 24		SBC6	150	4.20	0.60	1.20	2.88	432	49.47	0	0.214	0.016
4	SBC7	19, 16		SBC7	200	4.20	0.60	1.20	2.88	576	49.47	0	0.285	0.021
1	WHBC1	492, 419		WHBC1	250	7.05	1.80	1.75	7.74	1935.94	56.75	0	1.099	0.082
1	SBD1	349, 437, 476		SBD4	400	3.75	0.60	1.05	2.28	913.5	49.47	0	0.452	0.034
2	SBD2	350		SBD5	300	3.75	0.60	1.05	2.28	685.125	49.47	0	0.339	0.025
		351												
3	SBD3	491		SBD1	350	3.75	0.60	1.05	2.28	799.313	49.47	0	0.395	0.030
		921												
		509												
4	SBD4	498		SBD2	350	3.75	0.60	1.05	2.28	799.313	49.47	0	0.395	0.030
		489												
5	SBD5	480		SBD3	413	3.75	0.60	1.05	2.28	943.189	49.47	0	0.467	0.035
		486												
		485												
1	SBD1	491, 921, 509		SBD1	400	3.75	0.60	1.05	2.28	913.5	49.47	0	0.452	0.034
2	SBD2	498, 489		SBD2	300	3.75	0.60	1.05	2.28	685.125	49.47	0	0.339	0.025
3	SBD3	480, 486, 485		SBD3	350	3.75	0.60	1.05	2.28	799.313	49.47	0	0.395	0.030
4	SBD4	349, 473, 476		SBD4	350	3.75	0.60	1.05	2.28	799.313	49.47	0	0.395	0.030
5	SBD5	350, 351		SBD5	413	3.75	0.60	1.05	2.28	943.189	49.47	0	0.467	0.035
1	CDD1	452		CDD1	78	9.50	2	2.5	14.38	1121.25	56.75	0	0.636	0.048
		565												

		564												
		453												
		452												
	Total				**41174**					**143256**			**72.598**	**5.443**

MNREGA WORK

Pandwaha

Sr. No.	Name of the beneficiary	Khasara No.	Area (ha)	Activity (Proposed)	Length (M)	Breadth (Cm)	Top width (Cm)	Height (Cm)	Cross Section (m2)	E.W. (Cum)	Rate per (Cum)	Safe structure No. & cost	Total Cost (Rs.)	Contribution in shape of Lab/cash
1	Ramesh Chandra, Hariom etc.	1081	2.116	CBA1	300	2.90	0.50	0.80	1.36	408	69.66	0	0.284	0.021
			2.116											
2	Ram Devi	1068	0.542	CBA2	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
	Ramesh Chandra etc.	1069	1.105	CBA2	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
			1.647											
3	Gaya Prasad	1074	0.830	CBA3	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
		1073	1.874	CBA3	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
		-	2.704	CBA3	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
			5.408											
4	Anandi	175	0.676	CBA4	400	2.90	0.50	0.80	1.36	544	69.66	0	0.379	0.028
	Narayan, Dwarika Prasad	175	1.081	CBA4	400	2.90	0.50	0.80	1.36	544	69.66	0	0.379	0.028
	Khachore@Brashbhan	173	2.740	CBA4	400	2.90	0.50	0.80	1.36	544	69.66	0	0.379	0.028
	Kidari Lal	172	0.644	CBA4	400	2.90	0.50	0.80	1.36	544	69.66	0	0.379	0.028
	Dwarika Prasad, Chedi Lal	171	1.785	CBA4	400	2.90	0.50	0.80	1.36	544	69.66	0	0.379	0.028
5	Nathuram	191	1.684	CBA5	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
		194	1.615	CBA5	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
			3.299											
6	CBA6	201	0.121	CBA6	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
		200	-		200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
			0.121											
7	CBA7	181	1.756	CBA7	100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
			1.756											
			3.512											
8	CBA8	187	1.469	CBA8	350	2.90	0.50	0.80	1.36	476	69.66	0	0.332	0.025
		193	1.708		350	2.90	0.50	0.80	1.36	476	69.66	0	0.332	0.025

			3.177											
9	CBA9	212	0.522	CBA9	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
		123	0.012		150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
			0.534											
10	CBA10	1013	0.352	CBA10	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
		1012	1.133		150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
	Total		**1.485**											

Summary

Sr. No.	Name of the beneficiary	Khasara No.	Area (ha)	Activity (Proposed)	Length (M)	Breadth (Cm)	Top width (Cm)	Height (Cm)	Cross Section (m2)	E.W. (Cum)	Rate per (Cum)	Safe structu re No. & cost	Total Cost (Rs.)	Contribution in shape of Lab/cash
1	CBA1	1081	2.116	CBA1	300	2.90	0.50	0.80	1.36	408	69.66	0	0.284	0.021
2	CBA2	1068, 1069	1.647	CBA2	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
3	CBA3	1074, 1073	2.704	CBA3	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
4	CBA4	175, 174, 173 172 171	6.626	CBA4	400	2.90	0.50	0.80	1.36	544	69.66	0	0.379	0.028
5	CBA5	191, 194	3.299	CBA5	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
6	CBA6	201, 200	0.121	CBA6	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
7	CBA7	181	1.756	CBA7	100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
8	CBA8	187, 193	3.177	CBA8	350	2.90	0.50	0.80	1.36	476	69.66	0	0.332	0.025
9	CBA9	212, 123	0.534	CBA9	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
10	CBA10	1013, 1012	1.485	CBA10	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
	Total		**23.465**		**2250**					**3060**			**2.132**	**0.1598697**

Etwa / Maheba

Sr. No.	Name of the beneficiary	Khasara No.	Area (ha)	Activity (Proposed	Length (M)	Breadth (Cm)	Top width	Height (Cm)	Cross Section	E.W. (Cum)	Rate per	Safe structu	Total Cost	Contribution in shape of

				)			(Cm)		(m2)		(Cum)	re No. & cost	(Rs.)	Lab/cash
1	Govind Das	894	1.797	SBA13	100	4.10	0.50	1.20	2.76	276	69.66	0	0.192	0.014
			1.797											
2	Ram Sewak	892	2.541	SBA14	100	4.10	0.50	1.20	2.76	276	69.66	0	0.192	0.014
			2.541											
3	Sitaram	886	1.255	SBA15	300	4.10	0.50	1.20	2.76	828	69.66	0	0.577	0.043
		887	2.742		300	4.10	0.50	1.20	2.76	828	69.66	0	0.577	0.043
			3.997											
4	Anil Kumar	879	1.335	SBA16	350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
	Dayali, Mithla	882	0.368		350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
	Kailash Narayan, Ramjeevan	883	0.660		350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
	Kishori Devi	884	1.210		350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
			3.573											
5	Vijay Singh, Shankar Dayal	757	2.465	SBA17	150	4.10	0.50	1.20	2.76	414	69.66	0	0.288	0.022
			2.465											
6	Jhagdu	403	1.153	SBA34	400	4.80	0.60	1.40	3.78	1512	69.66	0	1.053	0.079
	Dharmdas	401	3.884											
			5.037											
7	Sadhna, Sharmila	426	0.397	SBA35	150	4.80	0.60	1.40	3.78	567	69.66	0	0.395	0.030
			0.397											
8	Mahipat Singh	890	1.489	MBA1	150	3.75	0.60	1.05	2.28	342.563	69.66	0	0.239	0.018
			1.489											
9	Omprakash	877	0.967	MBA2	175	3.75	0.60	1.05	2.28	399.656	69.66	0	0.278	0.021
	Ramesh Chandra, Hariom etc.	875	0.360		175	3.75	0.60	1.05	2.28	399.656	69.66	0	0.278	0.021
	Parti	876	0.186		175	3.75	0.60	1.05	2.28	399.656	69.66	0	0.278	0.021
			1.513											
10	Maan Singh etc.	765	1.736	MBA3	300	3.75	0.60	1.05	2.28	685.125	69.66	0	0.477	0.036
	Guleri	766	3.477		300	3.75	0.60	1.05	2.28	685.125	69.66	0	0.477	0.036
			5.213											
11	Jashrath	578	0.542	MBA4	200	3.75	0.60	1.05	2.28	456.75	69.66	0	0.318	0.024
	Omprakah, Ghanaram	577	0.478		200	3.75	0.60	1.05	2.28	456.75	69.66	0	0.318	0.024
	Asharam	576	0.401		200	3.75	0.60	1.05	2.28	456.75	69.66	0	0.318	0.024
	Dayal	575	0.466		200	3.75	0.60	1.05	2.28	456.75	69.66	0	0.318	0.024
	Kusuma	571	0.239		200	3.75	0.60	1.05	2.28	456.75	69.66	0	0.318	0.024
	Jagannath	557	0.497		200	3.75	0.60	1.05	2.28	456.75	69.66	0	0.318	0.024
	Kusuma Devi	580	0.243		200	3.75	0.60	1.05	2.28	456.75	69.66	0	0.318	0.024

			2.866											
12	Shyamlal etc.	561	1.424	MBA5	250	3.75	0.60	1.05	2.28	570.938	69.66	0	0.398	0.030
	Charagaha	555	0.567		250	3.75	0.60	1.05	2.28	570.938	69.66	0	0.398	0.030
			1.991											
13	Banshi Prasad, Shyamlal etc.	237	0.684	PBA1	100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
			0.684											
14	Acchelal, Brajesh Kumar	247	0.543	PBA2	100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
			0.543											
15	Radheylal, Chunmun	229	1.392	PBA3	200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
			1.392											
16	Arvind Singh, Surendra Singh etc.	756/1	1.542	PBA4	150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
			1.542											
17	Summi @ Sumitra Devi	756/2	0.040	PBA4	150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
	Ashok Kumar	756/3	0.304		150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
	Ashok Kumar	756/4	0.304		150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
	Ashok Kumar	756/5	0.045		150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
	Vijay Singh, Shankar Dayal		0.693											
	Janki Prasad													
18	Balmi	730	0.235	PBA5	250	3.70	0.70	1.00	2.20	550	69.66	0	0.383	0.029
	Dalpat	737	1.595		250	3.70	0.70	1.00	2.20	550	69.66	0	0.383	0.029
			1.83											
19	Bainiram	698	1.238	PBA6	200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
			1.238											
20	Shyamlal, Suresh Kumar	680	0.307	PBA7	200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
	Parti	681	0.121		200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
	Kashiram etc.	682	0.627		200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
	Tirimmba	683	0.166		200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
			1.221											
	Beniram	785	0.542		100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
	Guledi	786	0.289		100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
			0.99											
21	Road	869	0.123	PBA9	300	3.70	0.70	1.00	2.20	660	69.66	0	0.460	0.034
	Omprakash	877	0.967		300	3.70	0.70	1.00	2.20	660	69.66	0	0.460	0.034
	Shivdayal	874	0.571		300	3.70	0.70	1.00	2.20	660	69.66	0	0.460	0.034

	Dayaram	792	0.089		300	3.70	0.70	1.00	2.20	660	69.66	0	0.460	0.034
	Ramdeen, Arjun	789	0.202		300	3.70	0.70	1.00	2.20	660	69.66	0	0.460	0.034
22			1.952											
	Siyaram	756/6	0.263	PBA10	150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
	Sarju	756/7	0.040		150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
	Barren	756/8	0.028		150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
	Jaheer Khan	756/9	0.360		150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
	Vinod Kumar	756/10	0.158		150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
			0.849											
	Total				**11175**					**27036**			**18.335**	**1.406**

MNREGA WORK

Sr. No.	Name of the beneficiary	Khasara No.	Area (ha)	Activity (Proposed)	Length (M)	Breadth (Cm)	Top width (Cm)	Height (Cm)	Cross Section (m2)	E.W. (Cum)	Rate per (Cum)	Safe structure No. & cost	Total Cost (Rs.)	Contribution in shape of Lab/cash
1	Sitaram	817	0.250	PBA11	200	370	70	100	2.20	440	69.66	0	0.307	0.023
		816	0.081		200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
			0.331											
2	Ramnath etc.	397 "A"	0.271	PBA12	100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
			0.271											
3	Road	395	0.291	PBA13	100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
	Mahendra Singh	405	0.360		100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
	Maan Singh, Kalicharan	389	0.105		100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
			0.756											
4	Baddri Prasad etc.	407	0.902	PBA14	150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
	Baddri Prasad etc.	408	0.830		150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
	Shri Radha Krishn Maharaj	409	0.453		150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
			2.185											
5	Jgatraj, Mahendra Singh etc.	585	3.128	PBA15	200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
			3.128											
6	Ram Prasad, Laxmi Prasad etc.	448	0.049	PBA16	200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
			0.049											
7	Swami Prasad	567	0.040	PBA1	150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
			0.040											
8	Asaram	579	0.362	PBA2	150	3.70	0.70	1.00	2.20	330	69.66	0	0.230	0.017
			0.362											
9	Nallah	547	1.331	CBB1	100	3.00	0.60	0.80	1.44	144	69.66	0	0.100	0.008

			1.331											
10	Shyamlal etc.	561	1.424	CBB2	100	3.00	0.60	0.80	1.44	144	69.66	0	0.100	0.008
	Road	558	0.182		100	3.00	0.60	0.80	1.44	144	69.66	0	0.100	0.008
			1.606											
11	Chidami, Dharampal Singh	611	0.186	CBB3	100	3.00	0.60	0.80	1.44	144	69.66	0	0.100	0.008
			0.186											
12	Manpyare, Dheerendra, Imrat	485	0.821	CBB4	80	3.00	0.60	0.80	1.44	115.2	69.66	0	0.080	0.006
			0.821											
13	CBB5	Y	-	CBB5	100	3.00	0.60	0.80	1.44	144	69.66	0	0.100	0.008
14	Road	431	0.352	GPA4	150	9.50	2.00	2.50	14.38	2156.25	69.66	0	1.502	0.113
	Munna Lal etc.	546	4.382		150	9.50	2.00	2.50	14.38	2156.25	69.66	0	1.502	0.113
	Badlu	533	0.231		150	9.50	2.00	2.50	14.38	2156.25	69.66	0	1.502	0.113
	Vrashbhaan, Kamlesh	542	0.652		150	9.50	2.00	2.50	14.38	2156.25	69.66	0	1.502	0.113
			5.617											
15	Vrash Bhaan, Kamlesh	544	0.053	SBB3	350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
	Kailash Narayan	545	0.287		350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
	Munna Lal etc.	546	4.382		350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
	Shyamlal etc.	561	1.424		350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
	Kamlesh, Vrash Bhaan etc.	562	0.409		350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
	Rajaram, Jashrath	560	0.911		350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
	Paan Kunvar	559	0.543		350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
			8.009											
16	Ratna	549	0.174	SBB1	350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
		521	0.093		350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
		550	0.409		350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
		551	0.231		350	4.10	0.50	1.20	2.76	966	69.66	0	0.673	0.050
			0.907											
17	Maan Singh, Sitaram etc.	523	2.707	SBB2	500	4.10	0.50	1.20	2.76	1380	69.66	0	0.961	0.072
	Shri Ram Janki	530	0.267		500	4.10	0.50	1.20	2.76	1380	69.66	0	0.961	0.072
	Kailash Narayan	545	0.0287		500	4.10	0.50	1.20	2.76	1380	69.66	0	0.961	0.072
	Lalluram, Kalicharan, Vrash Bhaan	543/3	543.801		500	4.10	0.50	1.20	2.76	1380	69.66	0	0.961	0.072
	Arvind, Pappu, Munna Lal etc.	541	0.125		500	4.10	0.50	1.20	2.76	1380	69.66	0	0.961	0.072

	Vrash Bhaan, Kamlesh	542	0.652		500	4.10	0.50	1.20	2.76	1380	69.66	0	0.961	0.072
	Badlu etc.	539	0.458		500	4.10	0.50	1.20	2.76	1380	69.66	0	0.961	0.072
	Babu Lal etc.	538	0.182		500	4.10	0.50	1.20	2.76	1380	69.66	0	0.961	0.072
			548.2207											
18	Suraj Bhaan, Narayan Singh	16	0.477	CBC3	100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
	Devi	15	0.134		100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
			0.611											
19	Gulab Khan, Budu Khan	2	0.324	CBC4	100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
	Durjan	3	0.619		100	2.90	0.50	0.80	1.36	136	69.66	0	0.095	0.007
			0.943											
20	Jagdish Narayan Singh etc.	4	1.044	CBC5	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
			1.044											
21	CBC1	M	M	CBC5	350	2.90	0.50	0.80	1.36	476	69.66	0	0.332	0.025
22	Dharamdas	897	1.364	CBC2	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
	Soni	898	0.498		200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
	Nathuram	899	0.684		200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
	Sampat Devi	900	1.842		200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
	Road	901	0.15		200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
	Hargovind	902	0.259		200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
	Hargovind	903	2.112		200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
	Santram	904	3.743		200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
			10.652											
	Total				**13480**					**38816**			**27.035**	
	MNREGA WORK													
	Dugara													
Sr. No.	**Name of the beneficiary**	**Khasara No.**	**Area (ha)**	**Activity (Proposed)**	**Length (M)**	**Breadth (Cm)**	**Top width (Cm)**	**Height (Cm)**	**Cross Section (m2)**	**E.W. (Cum)**	**Rate per (Cum)**	**Safe structure No. & cost**	**Total Cost (Rs.)**	**Contribution in shape of Lab/cash**
1	Kutum	13	0.401	SBC8	326	3.75	0.60	1.05	2.28	744.503	69.66	0	0.519	0.039
	Kutum	12	0.401		326	3.75	0.60	1.05	2.28	744.503	69.66	0	0.519	0.039
	Dharmendra, Vijay Singh etc.	11	1.971		326	3.75	0.60	1.05	2.28	744.503	69.66	0	0.519	0.039
	Mansukh	10	0.462		326	3.75	0.60	1.05	2.28	744.503	69.66	0	0.519	0.039
			3.235											

2	SBC9	9, S	2.9604	SBC9	200	3.75	0.60	1.05	2.28	456.75	69.66	0	0.318	0.024
			2.9604											
3	Hardayal, Sukhlal etc.	6	0.721	SBC10	150	3.75	0.60	1.05	2.28	342.563	69.66	0	0.239	0.018
	Dayaram, Asharam	7	0.259											
	Total				**1654**					**3777.325**			**2.633**	
Chhiraura Bujurg		**MNREGA WORK**												
Sr. No.	**Name of the beneficiary**	**Khasara No.**	**Area (ha)**	**Activity (Proposed)**	**Length (M)**	**Breadth (Cm)**	**Top width (Cm)**	**Height (Cm)**	**Cross Section (m2)**	**E.W. (Cum)**	**Rate per (Cum)**	**Safe structure No. & cost**	**Total Cost (Rs.)**	**Contribution in shape of Lab/cash**
1	CBD1	591	-	CBD1	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
2	CBD2	490	-	CBD2	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
3	CBD3	921	-	CBD3	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
4	CBD4	478	-	CBD4	150	2.90	0.50	0.80	1.36	204	69.66	0	0.142	0.011
5	CBD5	356	-	CBD5	200	2.90	0.50	0.80	1.36	272	69.66	0	0.189	0.014
		475	-											
6	PBD1	467	-	PBD1	100	3.70	0.70	1.00	2.20	220	69.66	0	0.153	0.011
		468	-											
7	PBD2	455		PBD2	120	3.70	0.70	1.00	2.20	264	69.66	0	0.184	0.014
		460												
8	PBD3	440	-	PBD3	200	3.70	0.70	1.00	2.20	440	69.66	0	0.307	0.023
		446	-											
	Total				**1220**					**2012**			**1.401**	**0.106**

G. Panchayat Dugara, MWS Name- Dugara															
Sr. No.	**Name of the beneficiary**	**Caste SC-ST/Others**	**Khasara No.**	**Area (ha)**	**Activity (Proposed)**	**Length (M)**	**Breadth (Cm)**	**Top width (Cm)**	**Height (Cm)**	**Cross Section (m2)**	**E.W. (Cum)**	**Rate per (Cum)**	**Safe structure No. & cost**	**Total Cost (Rs.)**	**Contribution in shape of Lab/cash**
Dugara															
1			163		SBA_1	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
2			161		SBA2	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
3			138		SBA_3	100	4.20	0.60	1.20	2.88	288.00	49.47	0	0.142	0.011
4			445		SBA4	350	4.20	0.60	1.20	2.88	1008.00	49.47	0	0.499	0.037
5			455		SBA_5	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
6			461		SBA6	400	4.20	0.60	1.20	2.88	1152.00	49.47	0	0.570	0.043
7			459		SBA_7	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
8			471		SBA8	100	4.20	0.60	1.20	2.88	288.00	49.47	0	0.142	0.011
9			472		SBA_9	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
10			470		SBA10	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
11			173		SBA_{11}	100	4.20	0.60	1.20	2.88	288.00	49.47	0	0.142	0.011
12			475		SBA12	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
13			478		SBA_{13}	140	4.20	0.60	1.20	2.88	403.20	49.47	0	0.199	0.015
14			480		SBA14	100	4.20	0.60	1.20	2.88	288.00	49.47	0	0.142	0.011
15			242		SBA_{15}	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
16			239		SBA16	150	4.20	0.60	1.20	2.88	432.00	49.47	0	0.214	0.016
17			249		SBA_{17}	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
18			236		SBA18	450	4.35	0.60	1.25	3.09	1392.19	49.47	0	0.689	0.052
19			214		SBA_{19}	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
20			206		SBA20	150	4.35	0.60	1.25	3.09	464.06	49.47	0	0.230	0.017
21			234		SBA_{21}	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
22			215		SBA22	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
23			218		SBA_{23}	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
24			252		WHBA1	300	7.50	1.50	2.00	9.00	2700.00	56.75	0	1.532	0.115

25			184		GPA3	90	9.50	2.00	2.50	14.38	1293.75	56.75	0	0.734	0.055
26			109		GPA4	70	9.50	2.00	2.50	14.38	1006.25	56.75	0	0.571	0.043
27			70		CDA1	100	11.50	2.50	3.00	21.00	2100.00	56.75	0	1.192	0.089
28			877		SBB1	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
29			876		SBB2	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
30			873		SBB3	150	4.20	0.60	1.20	2.88	432.00	49.47	0	0.214	0.016
31			917		SBB4	500	4.20	0.60	1.20	2.88	1440.00	49.47	0	0.712	0.053
32			898		SBB5	315	4.20	0.60	1.20	2.88	907.20	49.47	0	0.449	0.034
33			925		SBB6	215	4.20	0.60	1.20	2.88	619.20	49.47	0	0.306	0.023
34			927		SBB7	250	4.20	0.60	1.20	2.88	720.00	49.47	0	0.356	0.027
35			929		SBB8	400	4.20	0.60	1.20	2.88	1152.00	49.47	0	0.570	0.043
36			950		SBB9	420	4.35	0.60	1.25	3.09	1299.38	49.47	0	0.643	0.048
37			946		SBB10	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
38			941		SBB11	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
39			948		SBB12	550	4.35	0.60	1.25	3.09	1701.56	49.47	0	0.842	0.063
40			958		SBB13	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
41			945		SBB14	412	4.35	0.60	1.25	3.09	1274.63	49.47	0	0.631	0.047
42			983		SBB15	600	4.35	0.60	1.25	3.09	1856.25	49.47	0	0.918	0.069
43			974		SBB19	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
44			833		SBB20	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
45			865		SBB21	450	4.35	0.60	1.25	3.09	1392.19	49.47	0	0.689	0.052
46			860		SBB22	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
47			853		SBB23	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
48			848		SBB24	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
49	**Pandwaha**		1001		SBB29	700	4.35	0.60	1.25	3.09	2165.63	49.47	0	1.071	0.080
50			648		SBB33	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
51			651		SBB34	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
52			631		SBB35	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
53			799		CDB1	90	11.50	2.50	3.00	21.00	1890.00	61.3	0	1.159	0.087
54	**Etawa**		727		SBC1	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
55			724		SBC2	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032

56			701		SBC3	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
57			699		SBC4	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
58			644		SBC5	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
59			618		SBC6	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
60			642		SBC7	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
61			610		SBC8	330	4.20	0.60	1.20	2.88	950.40	49.47	0	0.470	0.035
62			710		SBC9	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
63			711		SBC10	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
64			703		SBC11	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
65			687		SBC12	230	4.20	0.60	1.20	2.88	662.40	49.47	0	0.328	0.025
66			629		SBC16	233	4.20	0.60	1.20	2.88	671.04	49.47	0	0.332	0.025
67			620		SBC17	108	4.20	0.60	1.20	2.88	311.04	49.47	0	0.154	0.012
68			551		SBC18	375	4.20	0.60	1.20	2.88	1080.00	49.47	0	0.534	0.040
69			548		SBC19	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
70			652		SBC20	300	4.20	0.60	1.20	2.88	864.00	49.47	0	0.427	0.032
	Total					**19028**					**63678**			**32.234**	**2.414**
MWS Name- Dugara						**MNREGA WORK**									
	Dugara														
1			88		CBA1	200	2.90	0.50	0.80	1.36	272.00	69.66	0	0.189	0.014
2			130		CBA2	100	2.90	0.50	0.80	1.36	136.00	69.66	0	0.095	0.007
3			437		CBA3	150	2.90	0.50	0.80	1.36	204.00	69.66	0	0.142	0.011
4			443		CBA4	150	2.90	0.50	0.80	1.36	204.00	69.66	0	0.142	0.011
5			444		CBA5	100	2.90	0.50	0.80	1.36	136.00	69.66	0	0.095	0.007
6			226		CBA6	100	2.90	0.50	0.80	1.36	136.00	69.66	0	0.095	0.007
7			416		CBA7	150	2.90	0.50	0.80	1.36	204.00	69.66	0	0.142	0.011
8			133		CBA8	50	2.90	0.50	0.80	1.36	68.00	69.66	0	0.047	0.004
9			23		CBA9	100	2.90	0.50	0.80	1.36	136.00	69.66	0	0.095	0.007
10			186		SBA24	600	4.55	0.50	1.35	3.41	2045.25	69.66	0	1.425	0.107
11			381		SBA25	300	4.55	0.50	1.35	3.41	1022.63	69.66	0	0.712	0.053
12			132		SBA26	250	4.55	0.50	1.35	3.41	852.19	69.66	0	0.594	0.045

13			75		SBA27	150	4.55	0.50	1.35	3.41	511.31	69.66	0	0.356	0.027
14			79		SBA28	150	4.55	0.50	1.35	3.41	511.31	69.66	0	0.356	0.027
15			80		SBA29	200	4.55	0.50	1.35	3.41	681.75	69.66	0	0.475	0.036
16			26		SBA30	250	4.55	0.50	1.35	3.41	852.19	69.66	0	0.594	0.045
17			29		SBA31	250	4.55	0.50	1.35	3.41	852.19	69.66	0	0.594	0.045
18			24		SBA32	150	4.55	0.50	1.35	3.41	511.31	69.66	0	0.356	0.027
19			38		FBA1	400	3.60	0.60	1.00	2.10	840.00	69.66	0	0.585	0.044
20			83		FBA2	250	3.60	0.60	1.00	2.10	525.00	69.66	0	0.366	0.027
21			80		FBA3	100	3.60	0.60	1.00	2.10	210.00	69.66	0	0.146	0.011
22			263		FBA4	200	3.60	0.60	1.00	2.10	420.00	69.66	0	0.293	0.022
23			235		PBA1	250	3.60	0.60	1.00	2.10	525.00	69.66	0	0.366	0.027
24			221		PBA2	100	3.60	0.60	1.00	2.10	210.00	69.66	0	0.146	0.011
25			219		PBA3	300	3.60	0.60	1.00	2.10	630.00	69.66	0	0.439	0.033
26			185		PBA4	100	3.60	0.60	1.00	2.10	210.00	69.66	0	0.146	0.011
27			306		WHBA2	200	7.50	1.50	2.00	9.00	1800.00	81.90	0	1.474	0.111
28			324		WHBA3	250	7.50	1.50	2.00	9.00	2250.00	81.90	0	1.843	0.138
29			367		GPA1	80	8.90	2.00	2.30	12.54	1002.80	81.90	0	0.821	0.062
30			177		GPA2	80	8.90	2.00	2.30	12.54	1002.80	81.90	0	0.821	0.062
31			56		CDA2	150	11.50	2.50	3.00	21.00	3150.00	81.90	0	2.580	0.193
32	Village.	**Etwa**	692		CBB1	80	2.90	0.50	0.80	1.36	108.80	69.66	0	0.076	0.006
33			979		CBB2	100	2.90	0.50	0.80	1.36	136.00	69.66	0	0.095	0.007
34			898		CBB3	80	2.90	0.50	0.80	1.36	108.80	69.66	0	0.076	0.006
35			882		CBB4	200	2.90	0.50	0.80	1.36	272.00	69.66	0	0.189	0.014
36			1039		CBB5	50	2.90	0.50	0.80	1.36	68.00	69.66	0	0.047	0.004
37			1006		CBB6	150	2.90	0.50	0.80	1.36	204.00	69.66	0	0.142	0.011
38			836		CBB7	50	2.90	0.50	0.80	1.36	68.00	69.66	0	0.047	0.004
39			573		CBB8	250	2.90	0.50	0.80	1.36	340.00	69.66	0	0.237	0.018
40			713		CBB9	50	2.90	0.50	0.80	1.36	68.00	69.66	0	0.047	0.004
41			712		CBB10	100	2.90	0.50	0.80	1.36	136.00	69.66	0	0.095	0.007
42			987		SB16	500	4.25	0.50	1.25	2.97	1484.38	69.66	0	1.034	0.078
43			995		SB17	300	4.25	0.50	1.25	2.97	890.63	69.66	0	0.620	0.047

44			989		SB18	150	4.25	0.50	1.25	2.97	445.31	69.66	0	0.310	0.023
45			852		SB25	150	4.25	0.50	1.25	2.97	445.31	69.66	0	0.310	0.023
46			850		SB26	250	4.25	0.50	1.25	2.97	742.19	69.66	0	0.517	0.039
47			845		SB27	400	4.25	0.50	1.25	2.97	1187.50	69.66	0	0.827	0.062
48			839		SB28	250	4.25	0.50	1.25	2.97	742.19	69.66	0	0.517	0.039
49			583		SB30	400	4.25	0.50	1.25	2.97	1187.50	69.66	0	0.827	0.062
50			720		SB31	150	4.25	0.50	1.25	2.97	445.31	69.66	0	0.310	0.023
51			722		SB32	150	4.25	0.50	1.25	2.97	445.31	69.66	0	0.310	0.023
52			711		PBB1	80	4.25	0.50	1.25	2.97	237.50	69.66	0	0.165	0.012
53			695		PBB2	150	4.25	0.50	1.25	2.97	445.31	69.66	0	0.310	0.023
54			597		PBB3	150	4.25	0.50	1.25	2.97	445.31	69.66	0	0.310	0.023
55			583		FBB1	150	4.25	0.50	1.25	2.97	445.31	69.66	0	0.310	0.023
56			653		FBB2	200	4.25	0.50	1.25	2.97	593.75	69.66	0	0.414	0.031
57			661		GPB1	80	9.50	2.00	2.50	14.38	1150.00	81.90	0	0.942	0.071
58			608		GPB2	80	9.50	2.00	2.50	14.38	1150.00	81.90	0	0.942	0.071
59			625		CBC1	50	2.90	0.50	0.80	1.36	68.00	69.66	0	0.047	0.004
60			695		CBC2	80	2.90	0.50	0.80	1.36	108.80	69.66	0	0.076	0.006
61			728		CBC3	80	2.90	0.50	0.80	1.36	108.80	69.66	0	0.076	0.006
62			615		CBC4	80	2.90	0.50	0.80	1.36	108.80	69.66	0	0.076	0.006
63			688		CBC5	50	2.90	0.50	0.80	1.36	68.00	69.66	0	0.047	0.004
64			689		SBC13	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
65			705		SBC14	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
66			685		SBC15	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
67			612		SBC17	141	4.10	0.50	1.20	2.76	389.16	69.66	0	0.271	0.020
68			658		SBC21	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
69			543		SBC22	250	4.10	0.50	1.20	2.76	690.00	69.66	0	0.481	0.036
70			741		MBC1	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
71			720		MBC2	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
72			657		MBC3	50	4.10	0.50	1.20	2.76	138.00	69.66	0	0.096	0.007
	Total					**12491**					**40958**			**29.939**	**2.253**

G. Panchayat – Bela				IWMP-II- MWS Name - Lathawara											
Sr. No.	**Name of the beneficiary**	**Caste SC-ST/Others**	**Khasara No.**	**Area (ha)**	**Activity (Proposed)**	**Length (M)**	**Breadth (Cm)**	**Top width (Cm)**	**Height (Cm)**	**Cross Section (m2)**	**E.W. (Cum)**	**Rate per (Cum)**	**Safe structure No. & cost**	**Total Cost (Rs.)**	**Contribution in shape of Lab/cash**
1			315		SBA1	500	4.80	0.60	1.40	3.78	1890.00	49.47	0	0.935	0.070
2			213		SBA2	350	4.80	0.60	1.40	3.78	1323.00	49.47	0	0.654	0.049
3			313		WHBA1	250	9.50	2.00	2.50	14.38	3593.75	57.55	0	2.068	0.155
4			146		SBB1	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
5			142		SBB2	550	4.20	0.60	1.20	2.88	1584.00	49.47	0	0.784	0.059
6			103		SBB3	350	4.20	0.60	1.20	2.88	1008.00	49.47	0	0.499	0.037
7			163		SBB4	350	4.20	0.60	1.20	2.88	1008.00	49.47	0	0.499	0.037
8			140		SBB5	550	4.20	0.60	1.20	2.88	1584.00	49.47	0	0.784	0.059
9			105		SBB6	350	4.20	0.60	1.20	2.88	1008.00	49.47	0	0.499	0.037
10			139		SBB7	500	4.20	0.60	1.20	2.88	1440.00	49.47	0	0.712	0.053
11			46		SBB19	400	4.20	0.60	1.20	2.88	1152.00	49.47	0	0.570	0.043
12			68		SBB20	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
13			34		SBB21	400	4.20	0.60	1.20	2.88	1152.00	49.47	0	0.570	0.043
14			88		SBB22	200	4.20	0.60	1.20	2.88	576.00	49.47	0	0.285	0.021
15			7		WHBB1	250	9.50	2.00	2.50	14.38	3593.75	57.55	0	2.068	0.155
16			197		GPB1	80	9.50	2.00	2.50	14.38	1150.00	57.55	0	0.662	0.050
17			118		SBC1	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
18			51		SBC2	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
19			134		SBC3	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
20			44		SBC4	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
21			54		SBC5	100	4.35	0.60	1.25	3.09	309.38	49.47	0	0.153	0.011
22			20		SBC6	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
23			31		SBC7	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
24			32		SBC8	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
25			59		SBC9	100	4.35	0.60	1.25	3.09	309.38	49.47	0	0.153	0.011

26			37		SBC10	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
27			39		SBC11	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
28			58		SBC12	400	4.35	0.60	1.25	3.09	1237.50	49.47	0	0.612	0.046
29			71		SBC13	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
30			72		SBC14	500	4.35	0.60	1.25	3.09	1546.88	49.47	0	0.765	0.057
31			88		SBC15	150	4.35	0.60	1.25	3.09	464.06	49.47	0	0.230	0.017
32			338		SBD1	350	4.35	0.60	1.25	3.09	1082.81	49.47	0	0.536	0.040
33			368		SBD7	150	4.35	0.60	1.25	3.09	464.06	49.47	0	0.230	0.017
34			379		SBD8	300	4.35	0.60	1.25	3.09	928.13	49.47	0	0.459	0.034
35			386		SBD9	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
36			268		SBD10	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
37			226		SBD11	100	4.35	0.60	1.25	3.09	309.38	49.47	0	0.153	0.011
38			4		SBD12	150	4.35	0.60	1.25	3.09	464.06	49.47	0	0.230	0.017
39			422		SBD13	550	4.35	0.60	1.25	3.09	1701.56	49.47	0	0.842	0.063
40			222		SBD14	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
41			440		SBD17	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
42			403		SBD18	250	4.35	0.60	1.25	3.09	773.44	49.47	0	0.383	0.029
43			413		SBD21	500	4.35	0.60	1.25	3.09	1546.88	49.47	0	0.765	0.057
44			166		SBD22	200	4.35	0.60	1.25	3.09	618.75	49.47	0	0.306	0.023
45			416		SBD23	550	4.35	0.60	1.25	3.09	1701.56	49.47	0	0.842	0.063
46			456		SBD24	160	4.35	0.60	1.25	3.09	495.00	49.47	0	0.245	0.018
47			392		WHBD1	300	9.50	2.00	2.50	14.38	4312.50	57.55	0	2.482	0.186
48			275		WHBD2	250	9.50	2.00	2.50	14.38	3593.75	57.55	0	2.068	0.155
	Total					**14690**					**57913**		**0**	**29.96**	**2.25**
MNREGA WORK															
1			446		CBA1	150	3.50	0.50	1.00	2.00	300.00	69.66	0	0.209	0.016
2			444		CBA2	200	3.50	0.50	1.00	2.00	400.00	69.66	0	0.279	0.021
3			453		CBA3	100	3.50	0.50	1.00	2.00	200.00	69.66	0	0.139	0.010
4			430		SBA3	300	3.50	0.50	1.00	2.00	600.00	69.66	0	0.418	0.031
5			337		SBA4	600	3.50	0.50	1.00	2.00	1200.00	69.66	0	0.836	0.063
6			450		SBA5	200	3.50	0.50	1.00	2.00	400.00	69.66	0	0.279	0.021

7			433		SBA6	250	3.50	0.50	1.00	2.00	500.00	69.66	0	0.348	0.026
8			424		SBA7	200	3.50	0.50	1.00	2.00	400.00	69.66	0	0.279	0.021
9			34		CBB1	500	4.10	0.50	1.20	2.76	1380.00	69.66	0	0.961	0.072
10			92		CBB2	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
11			157		CBB3	100	4.10	0.50	1.20	2.76	276.00	69.66	0	0.192	0.014
12			158		CBB4	50	4.10	0.50	1.20	2.76	138.00	69.66	0	0.096	0.007
13			172		CBB5	100	4.10	0.50	1.20	2.76	276.00	69.66	0	0.192	0.014
14			171		CBB6	350	4.10	0.50	1.20	2.76	966.00	69.66	0	0.673	0.050
15			116		SBB8	350	4.10	0.50	1.20	2.76	966.00	69.66	0	0.673	0.050
16			209		SBB9	250	4.10	0.50	1.20	2.76	690.00	69.66	0	0.481	0.036
17			193		SBB10	400	4.10	0.50	1.20	2.76	1104.00	69.66	0	0.769	0.058
18			196		SBB11	650	4.10	0.50	1.20	2.76	1794.00	69.66	0	1.250	0.094
19			181		SBB12	350	4.10	0.50	1.20	2.76	966.00	69.66	0	0.673	0.050
20			223		SBB13	350	4.10	0.50	1.20	2.76	966.00	69.66	0	0.673	0.050
21			152		SBB14	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
22			26		SBB15	400	4.10	0.50	1.20	2.76	1104.00	69.66	0	0.769	0.058
23			28		SBB16	400	4.10	0.50	1.20	2.76	1104.00	69.66	0	0.769	0.058
24			11		SBB17	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
25			6		SBB18	400	4.10	0.50	1.20	2.76	1104.00	69.66	0	0.769	0.058
26			90		SBB23	600	4.10	0.50	1.20	2.76	1656.00	69.66	0	1.154	0.087
27			70		SBB24	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
28			85		SBB25	600	4.10	0.50	1.20	2.76	1656.00	69.66	0	1.154	0.087
29			210		CDB1	120	9.50	2.00	2.50	14.38	1725.00	81.90	0	1.413	0.106
30			16		MBB1	100	4.10	0.50	1.20	2.76	276.00	69.66	0	0.192	0.014
31			72		MBB2	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
32			49		CBC1	100	4.10	0.50	1.20	2.76	276.00	69.66	0	0.192	0.014
33			46		CBC2	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
34			136		CBC3	400	4.10	0.50	1.20	2.76	1104.00	69.66	0	0.769	0.058
35			183		CBC4	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
36			193		SBC16	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
37			192		SBC17	450	4.10	0.50	1.20	2.76	1242.00	69.66	0	0.865	0.065

38			38		SBC18	400	4.10	0.50	1.20	2.76	1104.00	69.66	0	0.769	0.058
39			187		SBC19	400	4.10	0.50	1.20	2.76	1104.00	69.66	0	0.769	0.058
40			101		MBC1	250	4.10	0.50	1.20	2.76	690.00	69.66	0	0.481	0.036
41			201		MBC2	250	4.10	0.50	1.20	2.76	690.00	69.66	0	0.481	0.036
42			189		MBC3	300	4.10	0.50	1.20	2.76	828.00	69.66	0	0.577	0.043
43			195		MBC4	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
44			113		WHBC1	200	9.50	2.00	2.50	14.38	2875.00	81.90	0	2.355	0.177
45					CBD1	250	4.10	0.50	1.20	2.76	690.00	69.66	0	0.481	0.036
46			441		CBD2	100	3.50	0.50	1.00	2.00	200.00	69.66	0	0.139	0.010
47			453		CBD3	150	3.50	0.50	1.00	2.00	300.00	69.66	0	0.209	0.016
48			242		CBD4	150	3.50	0.50	1.00	2.00	300.00	69.66	0	0.209	0.016
49			238		CBD5	100	3.50	0.50	1.00	2.00	200.00	69.66	0	0.139	0.010
50			255		CBD6	150	3.50	0.50	1.00	2.00	300.00	69.66	0	0.209	0.016
51			253		CBD7	150	3.50	0.50	1.00	2.00	300.00	69.66	0	0.209	0.016
52			346		CBD8	100	3.50	0.50	1.00	2.00	200.00	69.66	0	0.139	0.010
53					CBD9	100	3.50	0.50	1.00	2.00	200.00	69.66	0	0.139	0.010
54			343		CBD10	200	3.50	0.50	1.00	2.00	400.00	69.66	0	0.279	0.021
55			341		CBD11	150	3.50	0.50	1.00	2.00	300.00	69.66	0	0.209	0.016
56			339		CBD12	150	3.50	0.50	1.00	2.00	300.00	69.66	0	0.209	0.016
57			355		CBD13	150	3.50	0.50	1.00	2.00	300.00	69.66	0	0.209	0.016
58			330		SBD2	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
59			300		SBD3	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
60			308		SBD4	250	3.80	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
61			306		SBD5	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
62			304		SBD6	150	3.80	0.50	1.10	2.37	354.75	69.66	0	0.247	0.019
63			423		SBD15	250	3.80	0.50	1.10	2.37	591.25	69.66	0	0.412	0.031
64			430		SBD16	400	3.80	0.50	1.10	2.37	946.00	69.66	0	0.659	0.049
65			412		SBD19	350	3.80	0.50	1.10	2.37	827.75	69.66	0	0.577	0.043
66			167		SBD20	200	3.80	0.50	1.10	2.37	473.00	69.66	0	0.329	0.025
67			383		MBD1	350	4.10	0.50	1.20	2.76	966.00	69.66	0	0.673	0.050
68			291		PBD1	450	4.10	0.50	1.20	2.76	1242.00	69.66	0	0.865	0.065

69			263		PBD2	150	4.10	0.50	1.20	2.76	414.00	69.66	0	0.288	0.022
70			287		PBD3	200	4.10	0.50	1.20	2.76	552.00	69.66	0	0.385	0.029
71			258		WHBD3	250	9.50	2.00	2.50	14.38	3593.75	81.90	0	2.943	0.221
72			245		CDD1	80	9.50	2.00	2.50	14.38	1150.00	81.90	0	0.942	0.071
	Total					**18300**					**54434.5**			**39.06**	**2.93**

ANNEXURE-II
LIVELIHOOD ACTION PLAN

1. Annaual Action Plan for Livelihood (Physical & Financial)

S. No	Physical & Financial Outlay/ Target	unit	First Year 2010-11		Second Year 2011-12		Third Year 2012-13		Fourth Year 2013-14		Total Project	
			Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial
1	(1) Activity Goatary											
2	(a) No. of SHG's	No.	17	4.106	29	7.186	29	7.186	8	2.053	83	20.530
3	(b) No. of members	No.	168		294		294	-	84	-	840	-
4	(c) Estimated income per year	Rs.	13.28	-	23.24	-	23.24	-	6.64	-	-	-
5	(2) Activity- Back Yard Poultry	-	-	-	-	-	-	-	-	-	-	-
6	(a) No. of SHG's	No.	14	0.628	63	2.824	63	2.824	0	0	140	6.276
7	(b) No. of members	No.	120	-	540	-	540	-	-	-	1200	-
8	(c) Estimated income per year	Rs.	3.50	-	15.75	-	15.75	-	-	-	-	-
9	(3) Activity- Poultry , Broiler	-	-	-	-	-	-	-	-		-	-
10	(a) No. of SHG's	No.	8	1.965	25	6.222	33	8.187	0	0	66	16.374
11	(b) No. of members	No.	67	-	213	-	280	-	-	-	560	-
12	(c) Estimated income per year	Rs.	5.94	-	18.81	-	24.75	-	-	-	-	-
13	(4) Black Smithy	-	-	-	-	-	-	-	-	-	-	-
14	(a) No. of SHG's	No.	0	0	8	0.975	0	0	0	0	8	0.975
15	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	
16	(c) Estimated income per year	Rs.	0	0	4.4	0	0	0	0	0	-	-
17	(5) Rope making	-	-	-	-	-	-	-	-	-	-	-
18	(a) No. of SHG's	No.	0	0	8	0.855	0	0	0	0	8	0.855
19	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	0

20	(c) Estimated income per year	Rs.	0	0	3.6	-	-	-	-	-	-	-
21	(6) Tailoring	-	-	-	-	-	-	-	-	-	-	-
22	(a) No. of SHG's	No.	0	0	8	2.000	0	0	0	0	8	2.000
23	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	-
24	(c) Estimated income per year	Rs.	0	0	5.44	0	0	0	0	0	-	-
25	(7) Implements repair	-	-	-	-	-	-	-	-	-	-	-
26	(a) No. of SHG's	No.	0	0	8	1.200	0	0	0	0	8	1.200
27	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	-
28	(c) Estimated income per year	Rs.	0	0	6.4	0	0	0	0	0	-	-
29	(8) Vermi Composting	-	-	-	-	-	-	-	-	-	-	-
30	(a) No. of SHG's	No.	8	1.937	15	3.874	15	3.874	-	-	38	9.684
31	(b) No. of members	No.	80	-	150	-	150	-	-	-	-	-
32	(c) Estimated income per year	Rs.	8.96	-	16.8	-	16.8	-	-	-	-	-
33	(9) Food processing	-	-	-	-	-	-	-	-	-	-	-
34	(a) No. of SHG's	No.	0	0	8	2.000	0	0	0	0	8	2.000
35	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	-
36	(c) Estimated income per year	Rs.	0	0	6.4	-	-	-	-	-	-	-
37	(10) Mini Dal Mill	-	-	-	-	-	-	-	-	-	-	-
38	(a) No. of SHG's	No.	0	0	8	2.000	0	0	0	0	8	2.000
39	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	-
40	(c) Estimated income per year	Rs.	0	0	6.4	-	-	-	-	-	-	-
41	(11) Mini Flour Mill	-	-	-	-	-	-	-	-	-	-	-
42	(a) No. of SHG's	No.	0	0	8	2.000	0	0	0	0	8	2.000
43	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	-
44	(c) Estimated income per year	Rs.	0	0	6.4	-	-	-	-	-	-	-
45	(12) Mini Oil Expeller	-	-	-	-	-	-	-	-	-	-	-

46	(a) No. of SHG's	No.	0	0	8	1.500	0	0	0	0	8	2.000
47	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	
48	(c) Estimated income per year	Rs.	0	0	5.2	-	-	-	-	-	-	-
49	(13) Carpentry	-	-	-	-	-	-	-	-	-	-	-
50	(a) No. of SHG's	No.	0	0	8	1.500	0	0	0	0	8	2.000
51	(b) No. of members	No.	0	0	80	0	0	0	0	0	80	-
52	(c) Estimated income per year	Rs.	0	0	6.00	-	-	-	-	-	-	-
53	(14) Others (specify)	-	-	-	-	-	-	-	-	-	-	-

2. Livelihood Option for Village Groups / Community

Input supplied to Interested Groups/ SHGs

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

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

ANNEXURE-III

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

1	(1) Agriculture	-	-	-	-	-	-	-	-	-	-	-
2	(a) Crop demonstration	-	-	-	-	-	-	-	-	-	-	-
3	(1) No. of dem.	No.	92	2.290	416	10.304	416	10.304	-	-	924	22.897
4	(2) Area	Ha.	46	-	208	-	208	-	-	-	-	-
5	(b) Seed Production	-	-	-	-	-	-	-	-	-	-	-
6	(1) No. of dem.	No.	37	0.954	166	4.294	166	4.294	-	-	368	9.542
7	(2) Area	Ha.	18.4	-	82.8	-	82.8	-	-	-	184	
8	(2) Horticulture/ Agri-Horticulture	-	-	-	-	-	-	-	-	-	-	-
9	(a) Area	Ha.	3.26	0.811	14.67	3.647	14.67	3.647	-	-	32.6	8.105
10	(b) No. of Plants	No.	-	-	-	-	-	-	-	-	-	-
11	(3) Agro- forestry	-	-	-	-	-	-	-	-	-	-	-
12	(a) Scattered Plantation	-	-	-	-	-	-	-	-	-	-	-
13	(i) No. of plants	No.	479	0.271	2156	1.2195	2156	1.2195	-	-	4790	2.71
14	(c) Block Plantation	-	-	-	-	-	-	-	-	-	-	-
15	(i) Area	ha	4.02	0.452	18.09	2.036	18.09	2.036	-	-	40.2	4.524
16	(4) Animal husbandry	-	-	-	-	-	-	-	-	-	-	-
17	(a) Green fodder	Ha./no. farmer	4/8	0.329	16/32	1.316	16/32	1.316	4/8	0.329	40/80	3.29
18	(b) Rearing of milch cattle	-	-	-	-	-	-	-	-	-	-	-

19	(i) Cow	No. of unit/ farmer no.	48/70	0.0304	192/278	0.1216	192/278	0.1216	48/70	0.0304	480/696	0.304
20	(ii) Buffalows	No. of unit/ farmer no.	0	0	8	0.96	8	0.96			16	1.92
21	(c) Goatary	,,	269/25	0.014	1077/98	0.056	1077/98	0.056	269/25	0.014	2692/245	0.1396
22	(d) Poultry	,,	4	0.36	15	1.44	15	1.44	4	0.36	38/38	3.6
23	(e) Fisheries		0	0	3	0.252	6	0.504	6	0.504	15/30	1.26
24	(f) Dairy		10	0.196	38	0.784	38	0.784	10	0.196	95	1.96
25	(g) Health camps	No.	1256	0.058	3769	0.174	3769	0.174	3769	0.174	12562	0.57925
26	(h) Artificial insemination	No. of animals	377	0.190	880	0.443	880	0.443	377	0.190	2513	1.265
27	(i) Natural service bull	No.	-	-	8	1.92	-	-	-	-	8	1.92
28	(5) Micro Interprises		-	-	-	-	-	-	-	-	-	-
29	(a) No. of units	No.	-	-	2	4.00	-	-	-	-	2	4.00
30	(b) No. of beneficiaries	No.	-	-	25	-	-	-	-	-	-	-
31	(c) Income per year	Rs.	-	-	2.500	-	-	-	-	-	-	-

2. ESTIMATES OF DIFFERENT PARTICIPATORY CROP TRIALS

Estimates of different Participatory crop trials

Pulses	**Rabi**	**ICM**	**Lentil**	
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Narendra Masoor-1, DPL-15, L-4076, Pusa Vaibhav Late- IPL-81, K-75	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		

2. Sowing Time	IInd week of October			
		Rate(Rs/kg/ Pkt)	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	50 kg / ha (F1,F2, Certified)	80	4000	2000.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1535	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**4743.25**
Integrated Crop Management	**Chickpea**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	KGD-1168, KWR-108, Pusa-256, Pusa-367 Late- Udai	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	1st week of October			

		Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	80 kg / ha (F1,F2, Certified)	65	5200	2600.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1535	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
NPV	250 LE /ha at the time pod formation	200	200	100.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**5443.25**
Integrated Crop Management	**Field Pea**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	KMPR-400, KPMR-522, Rachna, Shikha	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	IInd week of October			

		Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	100 kg / ha (F1,F2, Certified)	60	6000	3000.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1535	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**5743.25**
Integrated Crop Management	**Urd**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Shekhar-2, Azad-1, PU-35, Narendra Urd-1	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Last week of July			
		Rate(Rs/kg/ Pkt)	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**

3. Required Seed	16 kg / ha (F1,F2, Certified)	100	1600	800.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1535	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**3543.25**
Integrated Crop Management	**Moong**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	T.M-9937, Meha, Pant Moong-1,2 Late- Type-44, Samrat	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		

2. Sowing Time	Last week of June			
		Rate(Rs/kg/ Pkt)	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	16 kg / ha (F1,F2, Certified)	100	1600	800.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1535	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
NPV	250 LE /ha at the time pod formation	200	200	100.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**3643.25**
Integrated Crop Management	**Arhar**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		

1. Name of Varieties	Paras, UPAS-120, Type-21, Pusa-992 (Wilt rest.) Late- Bahar, Narendra Arhar-1, Azad	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Late- Month July Early Last Week of June	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	20 kg / ha (F1,F2, Certified)	120	2400	1200.00
7. Use Weedicide	- 	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
15:45:20 NPK				
i) DAP*	100 kg	15	1500	750.00
ii) SSP*	250 kg	8	2000	1000.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total			**2951.00**
Integrated Crop Management	**Linseed**			

Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Sweta, Subhra, Garima, Shekhar, Parwati Late- Laxmi-27, Padmini	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Mid October	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	30 kg / ha (F1,F2, Certified)	75	2250	1125.00
7. Use Weedicide	- 	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
50:40:40 NPK				
i) DAP*	125 kg	15	1875	937.50
ii) SSP*	275 kg	8	2200	1100.00
iii) Urea	50 kg	6	300	150.00
iv) MOP	50 kg	7	350	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**2949.50**
	Mustard			

Integrated Crop Management				
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Varuna, Kranti, Rohini, Vaibhav, Pusa Bold Late-Ashirvad, Vardan	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	October first week	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	6 kg / ha (F1,F2, Certified)	150	900	450.00
7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
60:50:30 NPK				
i) DAP*	180 kg	15	2700	1350.00
ii) SSP*	275 kg	8	2200	1100.00
iii) Urea	75 kg	6	450	225.00
iv) MOP	50 kg	7	350	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**2762.00**

Integrated Crop Management	**Toriya**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Type-9, PT-303, PT-30 Late-Bhawani	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	First Fortnight of September	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	4 kg / ha (F1,F2, Certified)	200	800	400.00
7. Use Weedicide	- 	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
50:30:30 NPK				
i) DAP*	125 kg	15	1875	937.50
ii) SSP*	275 kg	8	2200	1100.00
iii) Urea	50 kg	6	300	150.00
iv) MOP	50 kg	7	350	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**2224.50**
Integrated Crop Management Til (Sesamum)				

Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	Type-4,12,13,78, Shekhar Late- Pragati, Tarun	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	June last week to July 15	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	4 kg / ha (F1,F2, Certified)	150	600	300.00
7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
30:15:25 NPK				
i) DAP*	80 kg	15	1200	600.00
ii) SSP*	225 kg	8	1800	900.00
iii) Urea	30 kg	6	180	90.00
iv) MOP	40 kg	7	280	140.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**1692.00**
Integrated Crop Management	**Wheat**			
Area of Demonstration - 0.50 ha				

Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		
1. Name of Varieties	UP-2338,WH-542,PBW-343,502,550,K-9006,307	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Mid October to first week of Nov	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	100 kg / ha (F1,F2, Certified)	25	2500	1250.00
7. Use Weedicide	Total - at 28 to 32 at after sowing	950	950	475.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
120:60:40 NPK				
i) DAP*	325 kg	15	4875	2437.50
ii) SSP*	-	-	-	0.00
iii) Urea	100 kg	6	600	300.00
iv) MOP	80 kg	7	560	280.00
v) Zinc	30 kg /ha	25	750	375.00
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**5781.50**
Integrated Crop Management	**Maize**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		

1. Name of Varieties	Hyb. Duccan-103, 105, Sankul- Dhawal, Shakti-1, Popcorn- Amber, V.L. Amber, Perl popcorn	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	15 Oct. to 15 Nov.	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	22 kg / ha (F1,F2, Certified)	60	1320	660.00
4. Seed Treatement	Thirum & 25 ml Chloropiryphose	60	60	30.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
100:60:40 NPK				
i) DAP*	265 kg	15	3975	1987.50
ii) SSP*	-	-	-	0.00
iii) Urea	80 kg	6	480	240.00
iv) MOP	50 kg	7	350	175.00
v) Zinc	-	-	-	0.00
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**3756.50**
Integrated Crop Management	**Maize**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		

1. Name of Varieties	Hybrid- Ganga-11, Sartaj, Prakash, Pusa Hybrid Maize5, Composite-Prabhat, Navjyoti, Pusa Composite-2, Naveen	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Mid June	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	20 kg / ha (F1,F2, Certified)	40	800	400.00
4. Seed Treatement	Thirum & 25 ml Chloropiryphose	60	60	30.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
100:60:40 NPK				
i) DAP*	265 kg	15	3975	1987.50
ii) SSP*	-	-	-	0.00
iii) Urea	80 kg	6	480	240.00
iv) MOP	50 kg	7	350	175.00
v) Zinc	-	-	-	0.00
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**3496.50**
Integrated Crop Management	**Sorghum**			
Area of Demonstration - 0.50 ha				
Detail of Demonstration	**Intervention / Technology Adopted**	**Organisations for obtaining Seed**		

1. Name of Varieties	CSV-13, 15, 1616, Bundela. CSH-16	C. S. A. Unversity of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	June last to July first week	**Rate(Rs/kg/ Pkt)**	**Cost per ha (Rs)**	**Demonstration Cost (Rs)**
3. Required Seed	12 kg / ha (F1,F2, Certified)	40	480	240.00
4. Seed Treatement	Thirum & 25 ml Chloropiryphose	60	60	30.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers	-	-	-	-
80:40:20 NPK				
i) DAP*	280 kg	15	4200	2100.00
ii) SSP*	-	-	-	0.00
iii) Urea	100 kg	6	600	300.00
iv) MOP	80 kg	7	560	280.00
v) Zinc	-	-	-	0.00
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder	-	-	-
	25 kg / ha	25	625	312.50
	Total (Less SSP)			**3614.00**

Details of Demostration under Agriculture Production System

Project- IWMP-II																
S. No.	***No. of Farmers***	***Crop***	***Variety***	***Area (ha)***	***Total cost of demon. (Rs.)***	***Beneficiary Contribution (Rs.)***	***Share of Project fund (Rs.)***	***Prop. date of sowing***	***Exp. Crop maturity date***	***Prop. Crop cutting Date***	***Productivity (Q/ha)***		***Total Seed***	***Expected Seed Exchange***		***Remark***
											Existing	**Expected**	**Production (q.)**	**No of Farmers**	**Quantity (q.)**	
	Kharif															
1	240	Urd	Shekhar-2, Azad-1/ PU-35/19	48.00	1.701	0.060	1.641	Last June to Mid July	Mid September	25-Sep	3.48	5.6	268.8	1792	107.52	
						0.221	1.480									
2	200	Sorghum	Bundela, CSV-15, 13	40.00	1.446	0.051	1.395	Last June to Mid July	Mid September	25-Sep	4.2	6.2	248	2067	206.67	
						0.188	1.258									
3	240	Arhar	Paras, UPAS-120	48.00	1.416	0.050	1.367	Last June-July	Oct (UPAS)	30-Sep	5.34	7.6	364.8	1459	291.84	
						0.184	1.232		March (Paras)	25-Mar						
4	200	Til	Pragati, Shekhar	40.00	0.677	0.024	0.653	15-Jul	September	30-Sep	1.8	3.6	144	3600	108.00	
	Rabi					0.088	0.589									
1	400	Lentil	DPL-15, K-75	80.00	3.795	0.133	3.662	15-Oct	Feb	5-Feb	4.9	6.5	520	867	433.33	
						0.493	3.301									
2	320	Chickpea	KDG-1168, KWR-108	64.00	3.484	0.122	3.362	15-30 October	Las Feb to Mid March	2-10 March	5.62	8.5	544	680	476.00	
						0.453	3.031									
3	320	Field Pea	KPMR-400, 522	64.00	3.676	0.129	3.547	October	March	5-Mar	6.2	9.5	608	760	570.00	
						0.478	3.198									
4	240	Linseed	Parwati, Padmini	48.00	1.416	0.050	1.366	October	Feb-March	27 Feb to 5	Mixed	5.6	268.8	1075	215.04	

										March						
						0.184	1.232									
5	200	Mustard	Maya, Kranti	40.00	1.1048	0.039	1.066	October	Feb	15-120 Feb	Mixed	4.8	192	3840	153.60	
						0.144	0.961									
	Total					**3.088**	**34.340**									

Annexure – IV – Details of Checkdam Design

Design of Checkdam/Drop Structure No. 1						
HYDROLOGIC DESIGN						
Area (ha)	200					
slope	0.0071					
K	7.47					
a	0.17					
b	0.75					
n	0.96					
Time of Concentration						
		Le.77	Se-0.385			
L (m)	3500	**535.71**				
S	0.0071		**6.7028**			
		hour	Tc + b		(tc+b) power n	
Tc	**69.913**	1.1652	1.9152		1.8661	
Intensity						
		Tr power a				
Tr	15	1.5847				
I		6.3435				

Discharge						
			Taken			
	c	0.6	Coeff			
	I	63.435	mm/hr			
	A	200	ha			
	Q	21.145			Cumec	

HYDRAULIC DESIGN						
	Length of crest weir (m)		**9**			
	Weir height (m)		h			
		Q = 1.71*L*h power (3/2)				
		h power 3/2	1.3739			
		h	1.2356	**1.25**	h1	
		h + free board	1.3592	**1.35**		
	Depth of gulley		3.38			
	Height of water drop (H)		2.03		Say	**2**

STABILITY ANALYSIS								
Let		**Top width (m)**	t	**1.2**				
		Bottom width (m)	T	**1.9**				
Weight of dam per unit length (kg)			W	6820		W square	**46512400**	
Horizontzl water pressure (Kg)			P	2000		P square	**4000000**	
Uplift pressure (kg)			U	(T*w*H)/2	**1900**			
Net downword force (kg)			Wn	W-U	**4920**	Wn Square	**24206400**	
Resultant (kg)			R				**5310.96978**	
			H	2				
			Xbar		**0.788172**			

						Z		**0.330798**		
	Point of Resultant (xbar+Z)							**1.11897**		
						EA		1.111828		
						P*H/3		1333.333		
						W*EA		7582.667		
						b/6		0.316667		
						b/2		0.95		
		e = xbar+Z-b/2				e (OF)		0.16897		
		fmax = Wn/b(1+6*e/b)				fmax		3971.191		
A Safety against sliding										
					(mu*W)/P			1.23		
B Safety against overturning					(W*EA)/(P*H/3)			2.028756		
C Safety against Tension					e<b/6 or b/6-e should be +ive			0.147696		
D Safety against Crushing				Permiss comp Stress kg/sqm			say	10000		
				PCS-fmax should be +ive				6028.809		
Depth of Foundation										
			Normal scour depth, dn			0.473[Q/f]power1/3				
				Q (cumec)	21.145					
				Q (Cusec)	746.15					
				f is silt factor, take=		2				
				[q/f]		373.076				
				[q/f] power1/3		7.19889				
				dn (ft)		3.40508				
				dn (m)		1.03813				
			Maximum scour depth, dm			1.5*dn	**1.5572**			
									Technical Specification	

			Foundation depth, D		1.33 dm	**2.07108**		**2.20**	
Minimum length of headwall extension (m)				E=3h+0.6 or 1.5F whichever is greater					
			F is net drop from top of transverse sill to crest						
			St= height of transverse sill= h/3				0.45	**0.50**	
			F (m)	1.5					
			E (m)	4.65	or	2.25	say	**5.00**	
Length of Basin Lb									
			Lb (m)= F(2.28*h/F+0.52)		3.858		say	**4.00**	
Height of the sidewall at end sill is taken to be minimum 1.5h1,but more than H/2									
			J (m)	1.5h1	1.875	more than H/2	1	**1.90**	
Height of the sidewall at the weir end									
			Equal to gully depth	3.38				**3.35**	
			M (m)	2(F+1.33h-J)			2.791	**2.80**	
			K (m)	Lb+.1-M			1.309	**1.80**	
Length of Wing wall (WL)									
			WL = 2.25h				3.0375	**3.00**	
Depth of Toe Wall									
			h1+0.1				1.35	**1.50**	

WORK ABSTRACT

Sl. No.	Item	Specification (m)			Quantity (cum)			
		Length	**Breadth**	**Depth**				
1	**Clearing of site (Removal of trees, shrubs and bushes)**	20.00	12.00					
2	**Earth work**							
	a) in hard soil Headwall Foundation	9.00	2.80	1.25	31.50	Effective depth will be 1.00 m		
	b) in hard soil RHS of Headwall extension	5.00	2.80	4.50	63.00			
	c) in hard soil LHS of Headwall extension	5.00	2.80	4.00	56.00			
	d) in hard soil cutoff wall	21.00	1.20	1.20	30.24			
	e)in hard soil side wall on both side	9.20	2.00	3.50	64.40	Effective depth will be 1.50 m		
	f) in hard soil Toe wall	9.00	1.60	2.00	28.80	Effective depth will be 1.50 m		
	g) in hard soil Wing wall on both side	6.00	1.80	4.50	48.60	Effective depth will be 1.50 m		
	h) Apron	4.00	11.00	1.20	52.80			
				Total	**375.34**			
3	**Cement concrete**							
	Cement Concrete (1:2:4)							
	a) cutoff wall	19.00	0.60	1.20	13.68			
	b) Head wall coping	11.00	1.20	0.05	0.66			
	c) Apron	4.00	9.00	0.05	1.80			
	d) Transverse sill coping	9.00	0.60	0.05	0.27			
				Total	**16.41**			
	Cement Concrete (1:4:8)							
	e) Toe wall	9.00	1.20	0.15	1.62			
	f) Apron	4.00	9.00	0.15	5.40			
	g) Side wall on both side	9.20	1.40	0.15	1.93			
	h) Wing wall on both side	6.00	1.20	0.15	1.08			

	i)Headwall and Headwall Extension	19.00	1.60	0.15	4.56			
				Total	**14.59**			
4	**Requirement of sand to nullify the impact of cracks**							
	a) Below cutoff wall	19.00	0.80	0.10	1.52			
	b)Below Headwall and headwall extension	19.00	1.60	0.10	3.04			
	c) Below side wall on both sides	9.20	1.40	0.10	1.29			
	d) Below wing wall on both side	6.00	1.20	0.10	0.72			
	e) Below apron	4.00	9.00	0.10	3.60			
	f) Below Toe wall	9.00	1.00	0.10	0.90			
				Total	**11.07**			
5	**Stone Masonary in CM 1:4**							
	a) Headwall and Headwall Extension on both side-Foundation	19.00	2.00	1.00	38.00			
	b) Headwall+ Headwall Extension on both side above gully bed-super structure	19.00	1.55	2.00	58.90	Width=(1.2+1.9)/2= 1.55 m		
	c) Headwall Extension on both the side above crest	10.00	1.20	1.35	16.20			
	d) Foundation for side wall on both side	9.20	1.20	1.50	16.56			
	e) Side wall on both side -super structure (K Part)-I	3.60	1.00	1.90	6.84			
	f) Side wall on both side-above part-I mentioned in (e): (K Part)-II	3.60	0.80	1.00	2.88			
	g) Side wall on both side above part-II mentioned in (f): (K Part)-III	3.60	0.60	0.45	0.97			
	h) Side wall on both side-Super structure (M Part)-I	5.60	1.00	1.50	8.40			
	i) Side wall on both side above Part-I mentioned in (h): (M Part)-II	5.60	0.80	0.40	1.79			

	j) Side wall on both side above Part-II mentioned in (i): (M Part)-III	5.60	0.60	0.73	2.44	Avg. ht. of triangle portion=	0.73	
	k) Foundation for wing wall on both side	6.00	1.00	1.50	9.00			
	l) Wing wall on both side-Super structure- Part- I	6.00	0.80	0.80	3.84			
	m) Wing wall on both side-Above Part-I mentioned in (l): Part -II	6.00	0.60	0.55	1.98	Avg. ht. of triangle portion=	0.55	
	n) Toe wall: Part I	9.00	0.80	1.00	7.20			
	o) Toe wall: Part II	9.00	0.70	0.50	3.15			
	p) Transverse Sill	9.00	0.60	0.50	2.70			
	q) Apron	4.00	9.00	0.40	14.40			
				Total	**195.25**			
6	**M S Bar (10 mm, q)**				**3.00**			
7	**Providing rough stone pitching in u/s (both side)**	34.00	3.50	0.25	**29.75**			
8	**Cement pointing to stone masonary in CM 1:3 (sqm)**							
	a) Headwall both side	18.00		2.00	36.00			
	b) Side wall both side (RHS and LHS)-Part I	9.20		1.90	17.48			
	c) Side wall both side (RHS and LHS)-Part II	3.60		1.45	5.22			
	d) Side wall both side (RHS and LHS)-Part-III	5.60		0.73	4.06	Avg. ht. of triangle portion=	0.73	
	e) Wing wall both side-Part I	6.00		0.80	4.80			
	f) Wing wall both side-Part I	6.00		0.55	3.30	Avg. ht. of triangle portion=	0.55	
				Total	**70.86**			
9	**Nala training wherever necessary (m)**				**0.00**			
10	**Filling of black clay soil in the up stream (free from any kind of gravel)**				**6.00**	trolly		

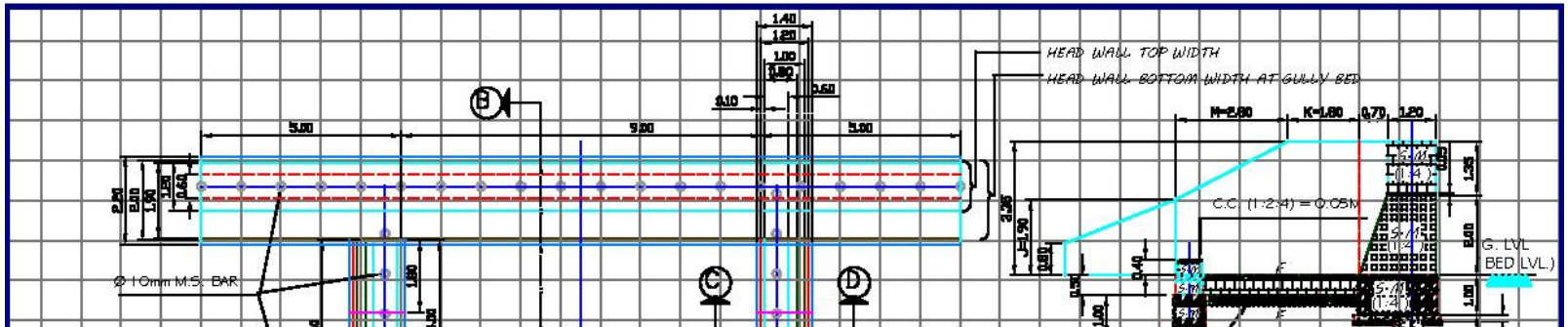
MATERIAL ABSTRACT

		Required Quantiy						
S.N.		Quantiy,cum	Cement,bags	Sand,cum	Conc ,cum	Khanda (cum)	Boulder(cum)	MS Bar (q)
1	Cement Concrete mix for cut-off wall (1:2:4): 12 mm conc.	16.41	105.02	7.38	14.77			
2	Cement Concrete mix for cut-off wall (1:4:8); 20 mm conc.	14.59	49.61	6.86	13.72			
3	Stone Maspnary in CM 1:4	195.25	488.13	66.39		195.25		
4	MS Bar for reinforcing							3.00
5	Boulder for pitching	29.75					29.75	
6	Cement pointing to stone masonary in CM 1:3 (sqm)	70.86	4.39	0.45				
7	Black clay soil (gravel free)	6.00						
8	Requirement of sand to nullify the impact of cracks			11.07				
	Total		**647.16**	**92.14**	**28.49**	**195.25**	**29.75**	**3.00**

COST ABSTRACT

Sl. No.	Item	Quantity	Unit	Rate (Rs./Unit)	Amount (Rs.)

A	1	Cement	647	Bag	235.00	152081.45
	2	Sand	92.14	m^3	750.00	69106.62
	3	Concrete-12 mm	14.77	m^3	1300.00	19199.70
	4	Concrete-20 mm	13.72	m^3	1150.00	15773.95
	5	Khanda	195	m^3	1200.00	234300.00
	6	M S Bar (10 mm Saria)	3.00	q	4000.00	12000.00
	7	Boulder	29.75	m^3	700.00	20825.00
	8	Filling of black clay soil in the up stream (free from any kind of gravel)	6.00		1500.00	9000.00
					Total	**532286.72**
B	9	Water supply through tanker @ 3 % of material cost				15968.60
C	10	Labour Charges @ 25%				133071.68
					Total (A+B+C)	**681327.01**
	11	Misc. @ 3%				20439.81
					G. Total	**701766.82**
		Say Rs. 702000/- (Rs. Seven lakh two thousand only)				
Note: The cost of materials is inclusive of all taxes and transportation to site. It may vary with respect to time						



Design of Checkdam No. 2						
HYDROLOGIC DESIGN						
Area (ha)	500					
slope	0.005					
K	7.47					
a	0.17					
b	0.75					
n	0.96					
Time of Concentration						
		Le.77	Se-0.385			
L (m)	6000	**811.29**				
S	0.005		**7.6895**			
		hour	Tc + b		(tc+b) power n	
Tc	**121.46**	2.0244	2.7744		2.6634	
Intensity						
		Tr power a				
Tr	20	1.6641				
I		4.6672				
Discharge						
			Taken			
	c	0.6	Coeff			
	I	46.672	mm/hr			
	A	500	ha			
	Q	38.894			Cumec	

HYDRAULIC DESIGN							
	Length of crest weir (m)		**10**				
	Weir height (m)		h				
		Q = 1.71*L*h power (3/2)					
		h power 3/2	2.2745				
		h	1.7286	**1.7**	h1		
		h + free board	1.9014	**1.9**			
	Depth of gulley		4.1				
	Height of water drop (H)		2.2		Say	**2.2**	

STABILITY ANALYSIS									
	Let		**Top width (m)**	t	**1.3**				
			Bottom width (m)	T	**2.2**				
	Weight of dam per unit length (kg)			W	8470		W square	**71740900**	
	Horizontzl water pressure (Kg)			P	2420		P square	**5856400**	
	Uplift pressure (kg)			U	(T*w*H)/2	**2420**			
	Net downword force (kg)			Wn	W-U	**6050**	Wn Square	**36602500**	
	Resultant (kg)			R				**6516.049**	
				H	2.2				
				Xbar		**0.894286**			
				Z		**0.357714**			

	Point of Resultant (xbar+Z)							**1.252**		
						EA		1.305714		
						P*H/3		1774.667		
						W*EA		11059.4		
						b/6		0.366667		
						b/2		1.1		
		e = xbar+Z-b/2				e (OF)		0.152		
		fmax = Wn/b(1+6*e/b)				fmax		3890		
A Safety against sliding										
					(mu*W)/P			1.25		
B Safety against overturning					(W*EA)/(P*H/3)			2.078658		
C Safety against Tension					e<b/6 or b/6-e should be +ive			0.214667		
D Safety against Crushing				Permiss comp Stress kg/sqm			say	10000		
				PCS-fmax should be +ive				6110		
Depth of Foundation										
			Normal scour depth, dn			0.473[Q/f]power1/3				
				Q (cumec)	38.894					
				Q (Cusec)	1372.5					
				f is silt factor, take=		2				
				[q/f]		686.23				
				[q/f] power1/3		8.82043				
				dn (ft)		4.17206				
				dn (m)		1.27197				
			Maximum scour depth, dm			1.5*dn	**1.90796**			
									Technical Specification	
			Foundation depth, D			1.33 dm	**2.53758**		**2.70**	
Minimum length of headwall extension (m)					E=3h+0.6 or 1.5F whichever is greater					

				F is net drop from top of transverse sill to crest						
				St= height of transverse sill= h/3				0.633333	**0.60**	
				F (m)	1.6					
				E (m)	6.3	or	2.4	say	**6.00**	
Length of Basin Lb										
			Lb (m)= F(2.28*h/F+0.52)			5.164		say	**5.20**	
Height of the sidewall at end sill is taken to be minimum 1.5h1,but more than H/2										
				J (m)	1.5h1	2.55	more than H/2	1.1	**2.50**	
Height of the sidewall at the weir end										
				Equal to gully depth	4.1				**4.10**	
				M (m)	2(F+1.33h-J)			3.254	**3.50**	
				K (m)	Lb+.1-M			2.046	**2.30**	
Length of Wing wall (WL)										
				WL = 2.25h				4.275	**4.00**	
Depth of Toe Wall										
				h1+0.1				1.8	**1.80**	

WORK ABSTRACT								
Sl. No.	**Item**	**Specification (m)**			**Quantity (cum)**			
		Length	**Breadth**	**Depth**				

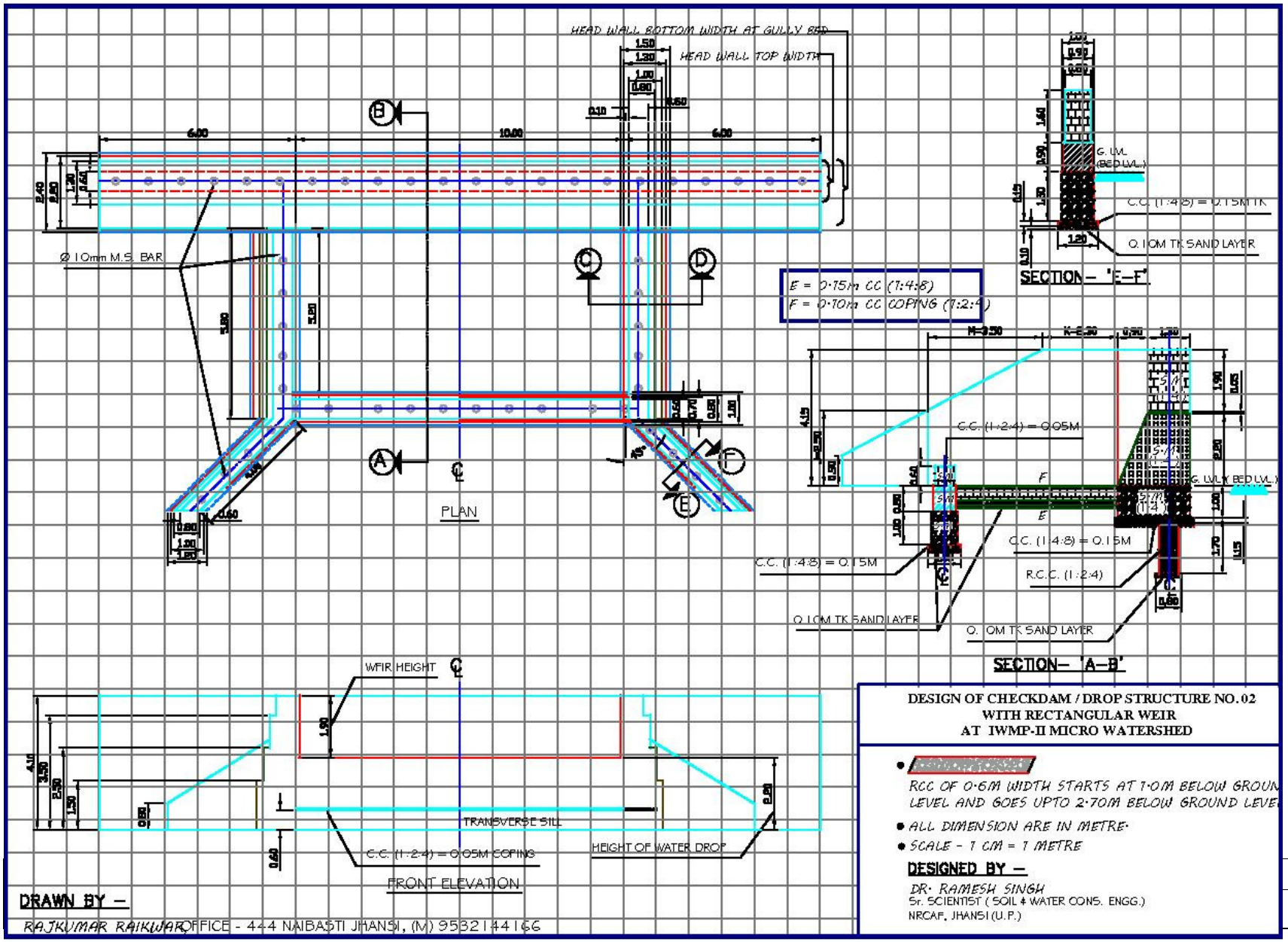
1	**Clearing of site (Removal of trees, shrubs and bushes)**	25.00	15.00					
2	**Earth work**							
	a) in hard soil Headwall Foundation	10.00	3.00	1.35	40.50	Effective depth will be 1.00 m		
	b) in hard soil RHS of Headwall extension	6.00	3.00	5.50	99.00	Effective depth will be 1.00 m		
	c) in hard soil LHS of Headwall extension	6.00	3.00	5.90	106.20	Effective depth will be 1.00 m		
	d) in hard soil cutoff wall	22.00	1.20	1.70	44.88			
	e)in hard soil side wall on both side	11.60	2.00	5.00	116.00	Effective depth will be 1.50 m		
	f) in hard soil Toe wall	10.00	1.40	2.00	28.00	Effective depth will be 1.80 m		
	g) in hard soil Wing wall on both side	8.00	1.60	5.50	70.40	Effective depth will be 1.50 m		
	h) Apron	5.20	10.00	0.50	26.00			
				Total	**530.98**			
3	**Cement concrete**							
	Cement Concrete (1:2:4)							
	a) cutoff wall	22.00	0.60	1.70	22.44			
	b) Head wall coping	10.00	1.30	0.05	0.65			
	c) Apron	5.20	10.00	0.05	2.60			
	d) Transverse sill coping	10.00	0.60	0.05	0.30			
				Total	**25.99**			
	Cement Concrete (1:4:8)							
	e) Toe wall	10.00	1.00	0.15	1.50			
	f) Apron	5.20	10.00	0.15	7.80			
	g) Side wall on both side	11.60	1.50	0.15	2.61			
	h) Wing wall on both side	8.00	1.20	0.15	1.44			
	i)Headwall and Headwall Extension	22.00	1.80	0.15	5.94			
				Total	**19.29**			
4	**Requirement of sand to nullify the impact of cracks**							
	a) Below cutoff wall	22.00	0.80	0.10	1.76			
	b)Below Headwall and headwall extension	22.00	1.80	0.10	3.96			
	c) Below side wall on both sides	11.60	1.50	0.10	1.74			

	d) Below wing wall on both side				8.00	1.20	0.10	0.96			
	e) Below apron				5.20	10.00	0.10	5.20			
	f) Below Toe wall				10.00	1.00	0.10	1.00			
								Total	**14.62**			
5	**Stone Masonary in CM 1:4**										
	a) Headwall and Headwall Extension on both side-Foundation				22.00	2.20	1.00	48.40			
	b) Headwall+ Headwall Extension on both side above gully bed-super structure				22.00	1.75	2.20	84.70	Width=(1.3+2.2)/2= 1.75 m		
	c) Headwall Extension on both the side above crest				12.00	1.30	1.90	29.64			
	d) Foundation for side wall on both side				11.60	1.30	1.50	22.62			
	e) Side wall on both side -super structure (K Part)-I				4.60	1.20	1.50	8.28			
	f) Side wall on both side-above part-I mentioned in (e): (K Part)-II				4.60	1.00	1.00	4.60			
	g) Side wall on both side above part-II mentioned in (f): (K Part)-III				4.60	0.80	1.00	3.68			
	h) Side wall on both side above part-III mentioned in (f): (K Part)-IV				4.60	0.60	0.60	1.66			
	i) Side wall on both side-Super structure (M Part)-I				7.00	1.20	1.50	12.60			
	j) Side wall on both side above Part-I mentioned in (h): (M Part)-II				7.00	1.00	1.00	7.00			
	k) Side wall on both side above Part-II mentioned in (i): (M Part)-III				7.00	0.80	0.80	4.48	Avg. ht. of triangle portion=	0.80	
	l) Foundation for wing wall on both side				8.00	1.00	1.50	12.00			

	m) Wing wall on both side-Super structure- Part-I	8.00	0.90	0.90	6.48			
	n) Wing wall on both side-Above Part-I mentioned in (l): Part -II	8.00	0.80	0.80	5.12	Avg. ht. of triangle portion=	0.80	
	o) Toe wall: Part I	10.00	0.80	1.00	8.00			
	p) Toe wall: Part II	10.00	0.70	0.80	5.60			
	q) Transverse Sill	10.00	0.60	0.60	3.60			
	r) Apron	5.20	10.00	0.40	20.80			
				Total	**289.26**			
6	**M S Bar (10 mm, q)**				**3.50**			
7	**Providing rough stone pitching in u/s (both side)**	34.00	4.00	0.25	**34.00**			
8	**Cement pointing to stone masonary in CM 1:3 (sqm)**							
	a) Headwall both side	20.00		2.20	44.00			
	b) Side wall both side (RHS and LHS)-Part I	11.60		2.50	29.00			
	c) Side wall both side (RHS and LHS)-Part II	4.60		1.60	7.36			
	d) Side wall both side (RHS and LHS)-Part-III	7.00		0.73	5.08	Avg. ht. of triangle portion=	0.73	
	e) Wing wall both side-Part I	8.00		0.90	7.20			
	f) Wing wall both side-Part I	8.00		0.80	6.40	Avg. ht. of triangle portion=	0.80	
				Total	**99.04**			
9	**Filling of black clay soil in the up stream (free from any kind of gravel)**				**7.00**	trolly		

MATERIAL ABSTRACT								
	Required Quantiy							
S.N.		Quantiy,cum	Cement,bags	Sand,cum	Conc ,cum	Khanda (cum)	Boulder(cum)	MS Bar (q)
1	Cement Concrete mix for cut-off wall (1:2:4): 12 mm conc.	25.99	166.34	11.70	23.39			
2	Cement Concrete mix for cut-off wall (1:4:8); 20 mm conc.	19.29	65.59	9.07	18.13			
3	Stone Maspnary in CM 1:4	289.26	723.14	98.35		289.26		
4	MS Bar for reinforcing							3.50
5	Boulder for pitching	34.00					34.00	
6	Cement pointing to stone masonary in CM 1:3 (sqm)	99.04	6.14	0.62				
7	Black clay soil (gravel free)	7.00						
8	Requirement of sand to nullify the impact of cracks in black soil			14.62				
	Total		**961.20**	**134.35**	**41.52**	**289.26**	**34.00**	**3.50**

COST ABSTRACT								
	Sl. No.	**Item**	**Quantity**	**Unit**	**Rate (Rs./Unit)**	**Amount (Rs.)**		
A	1	Cement	961	Bag	235.00	225882.51		
	2	Sand	134.35	m^3	750.00	100764.57		
	3	Concrete-12 mm	23.39	m^3	1300.00	30408.30		
	4	Concrete-20 mm	18.13	m^3	1150.00	20852.49		
	5	Khanda	289	m^3	1200.00	347107.20		
	6	M S Bar (10 mm Saria)	3.50	q	4000.00	14000.00		
	7	Boulder	34.00	m^3	700.00	23800.00		
	8	Filling of black clay soil in the up stream (free from any kind of gravel)	7.00		1500.00	10500.00		
					Total	**773315.07**		
B	9	Water supply through tanker @ 3 % of material cost				23199.45		
C	10	Labour Charges @ 25%				193328.77		
					Total (A+B+C)	**989843.29**		
	11	Misc. @ 3%				29695.30		
					G. Total	**1019538.59**		
		Say Rs. 1020000/- (Rs. Ten lakh twenty thousand only)						
Note: The cost of materials is inclusive of all taxes and transportation to site. It may vary with respect to time								



DESIGN OF CHECKDAM / DROP STRUCTURE NO. 02
WITH RECTANGULAR WEIR
AT IWMP-II MICRO WATERSHED

- RCC OF 0·6M WIDTH STARTS AT 1·0M BELOW GROUND LEVEL AND GOES UPTO 2·70M BELOW GROUND LEVEL
- ALL DIMENSION ARE IN METRE·
- SCALE – 1 CM = 1 METRE

DESIGNED BY –

DR· RAMESH SINGH
Sr. SCIENTIST (SOIL & WATER CONS. ENGG.)
NRCAF, JHANSI (U.P.)

DRAWN BY –

RAJKUMAR RAIKWAR, OFFICE - 444 NAIBASTI JHANSI, (M) 9532144166

Area (ha)	65					
slope	0					
K	7.5					
a	0.2					
b	0.8					
n	1					
Time of Concentration						
		Le.77	Se-0.385			
L (m)	700	**155.14**				
S	0		**6.702847**			
		hour	Tc + b		(tc+b) power n	
Tc	**20**	0.3374	1.087442		1.0838	
Intensity						
		Tr power a				
Tr	15	1.5847				
I		10.922				
Discharge						
			Taken			
	c	0.5	Coeff			
	I	109.22	mm/hr			
	A	65	ha			
	Q	9.8602			Cumec	

HYDRAULIC DESIGN							
	Length of crest weir (m)			**4.5**			

	Weir height (m)		h			
		Q = 1.71*L*h power (3/2)				
		h power 3/2	1.2814			
		h	1.1795	**1**	h1	
		h + free board	1.2975	**1.3**		
	Depth of gulley		3			
	Height of water drop (H)		1.7		Say	**1.7**

STABILITY ANALYSIS									
	Let		**Top width (m)**	t	**1**				
			Bottom width (m)	T	**1.6**				
	Weight of dam per unit length (kg)			W	4862		W square	**2E+07**	
	Horizontzl water pressure (Kg)			P	1445		P square	**2E+06**	
	Uplift pressure (kg)			U	(T*w*H)/2	**1360**			
	Net downword force (kg)			Wn	W-U	**3502**	Wn Square	**1E+07**	
	Resultant (kg)			R				**3788.4**	
				H	1.7				
				Xbar		**0.661538**			
				Z		**0.283607**			
	Point of Resultant (xbar+Z)					**0.945146**			

						EA		0.938462		
						P*H/3		818.8333		
						W*EA		4562.8		
						b/6		0.266667		
						b/2		0.8		
		e = xbar+Z-b/2				e (OF)		0.145146		
		fmax = Wn/b(1+6*e/b)				fmax		3380.078		
A Safety against sliding										
					(mu*W)/P			1.211765		
B Safety against overturning					(W*EA)/(P*H/3)			2.011773		
C Safety against Tension					e<b/6 or b/6-e should be +ive			0.121521		
D Safety against Crushing				Permiss comp Stress kg/sqm			say	10000		
				PCS-fmax should be +ive				6619.922		
Depth of Foundation										
			Normal scour depth, dn			0.473[Q/f]power1/3				
				Q (cumec)	9.86023					
				Q (Cusec)	347.943					
				f is silt factor, take=		2				
				[q/f]		173.972				
				[q/f] power1/3		5.58247				
				dn (ft)		2.64051				
				dn (m)		0.80503				

			Maximum scour depth, dm			1.5*dn	**1.20755**			
									Technical Specification	
			Foundation depth, D			1.33 dm	**1.60604**		**1.70**	
Minimum length of headwall extension (m)					E=3h+0.6 or 1.5F whichever is greater					
				F is net drop from top of transverse sill to crest						
				St= height of transverse sill= h/3				0.433333	**0.45**	
				F (m)	1.25					
				E (m)	4.5	or	1.875	say	**4.50**	
Length of Basin Lb										
			Lb (m)= F(2.28*h/F+0.52)			3.614		say	**3.50**	
Height of the sidewall at end sill is taken to be minimum 1.5h1,but more than H/2										
				J (m)	1.5h1	1.5	more than H/2	0.85	**1.50**	
Height of the sidewall at the weir end										
				Equal to gully depth	3				**3.00**	
				M (m)	2(F+1.33h-J)			2.958	**3.00**	
				K (m)	Lb+.1-M			0.642	**1.10**	
Length of Wing wall (WL)										
				WL = 2.25h				2.925	**3.00**	
Depth of Toe Wall										
				h1+0.1				1.1	**1.20**	

WORK ABSTRACT								
Sl. No.	**Item**	**Specification (m)**			**Quantity (cum)**			
		Length	**Breadth**	**Depth**				
1	**Clearing of site (Removal of trees, shrubs and bushes)**	15.00	15.00					
2	**Earth work**							
	a) in hard soil Headwall Foundation	4.50	2.40	1.20	12.96	Effective depth will be 0.7 m		
	b) in hard soil RHS of Headwall extension	4.50	2.40	3.20	34.56	Effective depth will be 0.7 m		
	c) in hard soil LHS of Headwall extension	4.50	2.40	3.10	33.48	Effective depth will be 0.7 m		
	d) in hard soil cutoff wall	13.50	1.20	1.00	16.20			
	e)in hard soil side wall on both side	8.20	1.80	4.00	59.04	Effective depth will be 1.50 m		
	f) in hard soil Toe wall	4.50	1.60	1.40	10.08	Effective depth will be 1.20 m		
	g) in hard soil Wing wall on both side	6.00	1.80	4.50	48.60	Effective depth will be 1.50 m		
	h) Apron	3.50	4.50	0.50	7.88			
				Total	**222.80**			
3	**Cement concrete**							
	Cement Concrete (1:2:4)							
	a) cutoff wall	13.50	0.60	1.00	8.10			
	b) Head wall coping	4.50	1.20	0.05	0.27			
	c) Apron	3.50	4.50	0.05	0.79			
	d) Transverse sill coping	4.50	0.60	0.05	0.14			
				Total	**9.29**			

	Cement Concrete (1:4:8)							
	e) Cutoff wall	13.50	0.80	0.15	1.62			
	f) Toe wall	4.50	1.00	0.15	0.68			
	g) Apron	3.50	4.50	0.15	2.36			
	h) Side wall on both side	8.20	1.40	0.15	1.72			
	i) Wing wall on both side	6.00	1.20	0.15	1.08			
	j)Headwall and Headwall Extension	13.50	1.20	0.15	2.43			
				Total	**9.89**			
4	**Requirement of sand to nullify the impact of cracks**							
	a) Below cutoff wall	13.50	0.80	0.10	1.08			
	b)Below Headwall and headwall extension 13.50		1.20	0.10	1.62			
	c) Below side wall on both sides	8.20 1.40		0.10	1.15			
	d) Below wing wall on both side	6.00 1.20		0.10	0.72			
	e) Below apron	3.50	4.50	0.10	1.58			
	f) Below Toe wall	4.50	1.00	0.10	0.45			
				Total	**6.59**			
5	**Stone Masonary in CM 1:4**							
	a) Headwall and Headwall Extension on both side-Foundation	13.50	1.60	0.70	15.12			
	b) Headwall+ Headwall Extension on both side above gully bed-super structure	13.50	1.30	1.70	29.84	Width=(1+1.6)/2= 1.70 m		
	c) Headwall Extension on both the side above crest	9.00	1.20	1.30	14.04			
	d) Foundation for side wall on both side	8.20	1.20	1.50	14.76			
	e) Side wall on both side -super structure (K Part)-I	2.20	1.00	1.50	3.30			

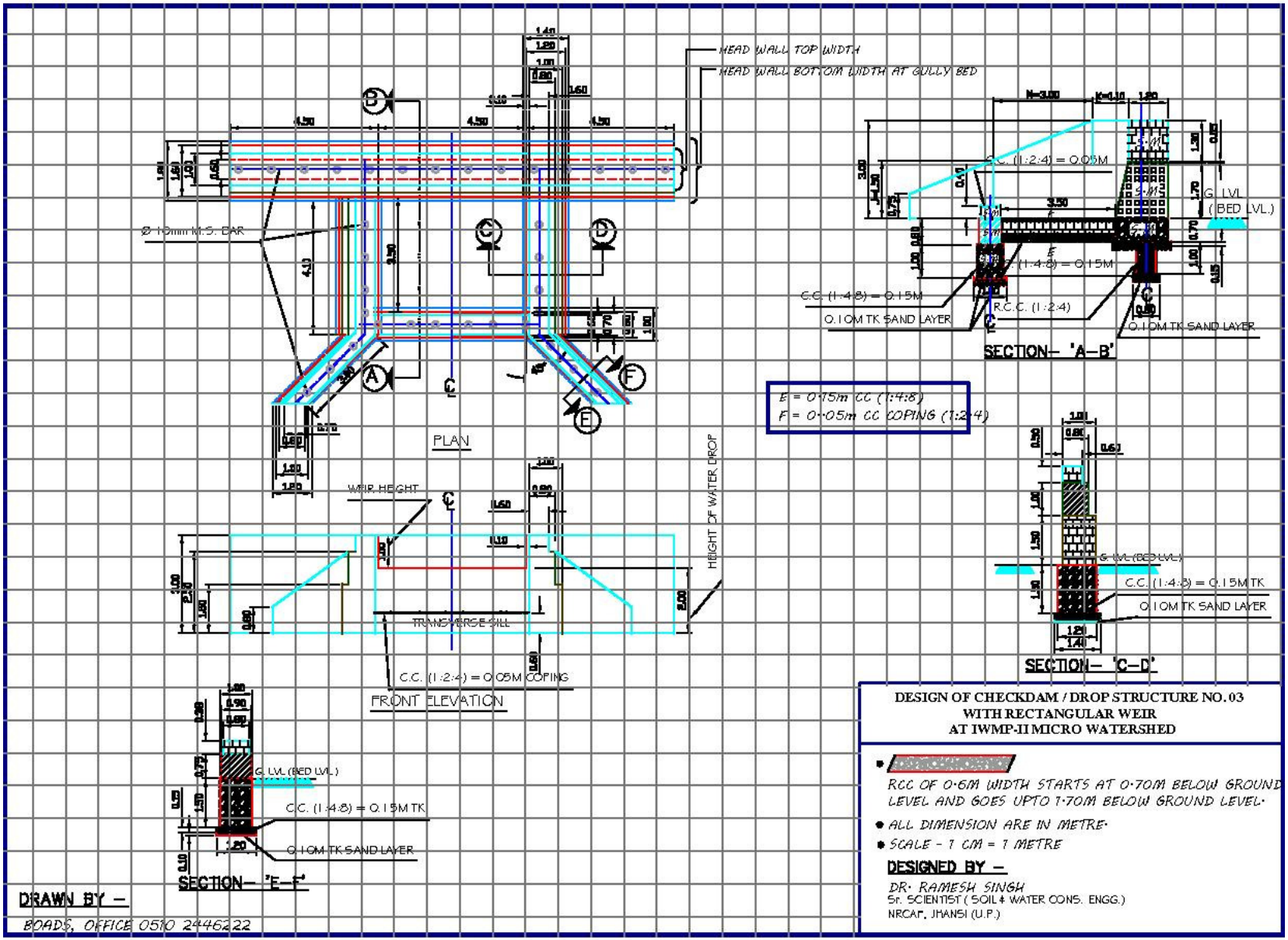
	f) Side wall on both side-above part-I mentioned in (e): (K Part)-II	2.20	0.80	1.00	1.76			
	g) Side wall on both side above part-II mentioned in (f): (K Part)-III	2.20	0.60	0.50	0.66			
	i) Side wall on both side-Super structure (M Part)-I	6.00	1.00	1.50	9.00			
	k) Side wall on both side above Part-II mentioned in (i): (M Part)-III	6.00	0.80	0.75	3.60	Avg. ht. of triangle portion=		0.75
	l) Foundation for wing wall on both side	6.00	1.00	1.50	9.00			
	m) Wing wall on both side-Super structure-Part- I	6.00	0.90	0.75	4.05			
	n) Wing wall on both side-Above Part-I mentioned in (l): Part -II	6.00	0.80	0.38	1.82	Avg. ht. of triangle portion=		0.38
	o) Toe wall: Part I	4.50	0.80	0.80	2.88			
	p) Toe wall: Part II	4.50	0.70	0.40	1.26			
	q) Transverse Sill	4.50	0.60	0.60	1.62			
	r) Apron	3.50	4.50	0.40	6.30			
				Total	**119.01**			
6	**M S Bar (10 mm, q)**				**2.00**			
7	**Providing rough stone pitching in u/s (both side)**	34.00	3.00	0.25	**25.50**			
8	**Cement pointing to stone masonary in CM 1:3 (sqm)**							
	a) Headwall both side	9.00		1.70	15.30			
	b) Side wall both side (RHS and LHS)-Part I	8.20		1.50	12.30			
	c) Side wall both side (RHS and LHS)-Part II	2.20		1.50	3.30			

	d) Side wall both side (RHS and LHS)-Part-III	6.00		0.75	4.50	Avg. ht. of triangle portion=		0.75
	e) Wing wall both side-Part I	6.00		0.75	4.50			
	f) Wing wall both side-Part I	6.00		0.38	2.28	Avg. ht. of triangle portion=		0.38
				Total	**42.18**			
9	**Filling of black clay soil in the up stream (free from any kind of gravel)**				**4.00**	trolly		

MATERIAL ABSTRACT

		Required Quantiy						
S.N.		Quantiy,cum	Cement,bags	Sand,cum	Conc ,cum	Khanda (cum)	Boulder(cum)	MS Bar (q)
1	Cement Concrete mix for cut-off wall (1:2:4): 12 mm conc.	9.29	59.47	4.18	8.36			
2	Cement Concrete mix for cut-off wall (1:4:8); 20 mm conc.	9.89	33.62	4.65	9.30			
3	Stone Maspnary in CM 1:4	119.01	297.52	40.46		119.01		
4	MS Bar for reinforcing							2.00
5	Boulder for pitching	25.50					25.50	
6	Cement pointing to stone masonary in CM 1:3 (sqm)	42.18	2.62	0.27				
7	Black clay soil (gravel free)	4.00						
8	Requirement of sand to nullify the impact of cracks in black soil			6.59				
	Total		**393.23**	**56.15**	**17.66**	**119.01**	**25.50**	**2.00**

COST ABSTRACT									
	Sl. No.	**Item**	**Quantity**	**Unit**	**Rate (Rs./Unit)**	**Amount (Rs.)**			
A	1	Cement	393	Bag	235.00	92409.98			
	2	Sand	56.15	m^3	750.00	42113.61			
	3	Concrete-12 mm	8.36	m^3	1300.00	10872.23			
	4	Concrete-20 mm	9.30	m^3	1150.00	10690.55			
	5	Khanda	119	m^3	1200.00	142810.80			
	6	M S Bar (10 mm Saria)	2.00	q	4000.00	8000.00			
	7	Boulder	25.50	m^3	700.00	17850.00			
	8	Filling of black clay soil in the up stream (free from any kind of gravel)	4.00		1500.00	6000.00			
					Total	**330747.17**			
B	1	Water supply through tanker @ 3 % of material cost				9922.42			
C	1	Labour Charges @ 25%				82686.79			
					Total (A+B+C)	**423356.38**			
	2	Misc. @ 3%				12700.69			
					G. Total	**436057.07**			
		Say Rs. 436000/- (Rs. four lakh thirty six thousand only)							
Note: The cost of materials is inclusive of all taxes and transportation to site. It may vary with respect to time									


HEAD WALL TOP WIDTH
HEAD WALL BOTTOM WIDTH AT GULLY BED
Ø 10mm M.S. BAR
PLAN
WEIR HEIGHT
HEIGHT OF WATER DROP
TRANSVERSE SILL
C.C. (1:2:4) = 0.05M COPING
FRONT ELEVATION
G. LVL (BED LVL.)
C.C. (1:4:8) = 0.15M TK
0.10M TK SAND LAYER
SECTION– 'E–F'
C.C. (1:2:4) = 0.05M
G. LVL (BED LVL.)
C.C. (1:4:8) = 0.15M
R.C.C. (1:2:4)
SECTION– 'A–B'
E = 0.15m CC (1:4:8)
F = 0.05m CC COPING (1:2:4)
SECTION– 'C–D'
DESIGN OF CHECKDAM / DROP STRUCTURE NO. 03
WITH RECTANGULAR WEIR
AT IWMP-II MICRO WATERSHED
RCC OF 0.6M WIDTH STARTS AT 0.70M BELOW GROUND LEVEL AND GOES UPTO 1.70M BELOW GROUND LEVEL.
ALL DIMENSION ARE IN METRE.
SCALE - 1 CM = 1 METRE
DESIGNED BY –
DR. RAMESH SINGH
Sr. SCIENTIST (SOIL & WATER CONS. ENGG.)
NRCAF, JHANSI (U.P.)
DRAWN BY –
BOADS, OFFICE 0510 2446222

Design of Drop Spillway No. 1						
HYDROLOGIC DESIGN						
Area (ha)	95					
slope	0.01					
K	7.47					
a	0.17					
b	0.75					
n	0.96					
Time of Concentration						
		Le.77	Se-0.385			
L (m)	1500	**278.99**				
S	0.01		**5.8884**			
		hour	Tc + b		(tc+b) power n	
Tc	**31.986**	0.5331	1.2831		1.2704	
Intensity						
		Tr power a				
Tr	20	1.6641				
I		9.7851				
Discharge						
			Taken			
	c	0.6	Coeff			
	I	97.851	mm/hr			
	A	95	ha			
	Q	15.493			Cumec	

HYDRAULIC DESIGN					

	Length of crest weir (m)			**9**			
	Weir height (m)			h			
		Q = 1.71*L*h power (3/2)					
		h power 3/2		1.0067			
		h		1.0045	**1**	h1	
		h + free board		1.1049	**1.1**		
	Depth of gulley			3.1			
	Height of water drop (H)			2		Say	**2**

STABILITY ANALYSIS									
	Let			**Top width (m)**	t	**1.2**			
				Bottom width (m)	T	**2.2**			
	Weight of dam per unit length (kg)				W	7480		W square	**55950400**
	Horizontzl water pressure (Kg)				P	2000		P square	**4000000**
	Uplift pressure (kg)				U	(T*w*H)/2	**2200**		
	Net downword force (kg)				Wn	W-U	**5280**	Wn Square	**27878400**
	Resultant (kg)				R				**5646.096**
					H	2			
					Xbar		**0.87451**		
					Z		**0.311349**		

	Point of Resultant (xbar+Z)							**1.185859**		
						EA		1.32549		
						P*H/3		1333.333		
						W*EA		9914.667		
						b/6		0.366667		
						b/2		1.1		
		e = xbar+Z-b/2				e (OF)		0.085859		
		fmax = Wn/b(1+6*e/b)				fmax		2961.983		
A Safety against sliding										
					(mu*W)/P			1.32		
B Safety against overturning					(W*EA)/(P*H/3)			2.175809		
C Safety against Tension					e<b/6 or b/6-e should be +ive			0.280808		
D Safety against Crushing				Permiss comp Stress kg/sqm			say	10000		
				PCS-fmax should be +ive				7038.017		
Depth of Foundation										
			Normal scour depth, dn			0.473[Q/f]power1/3				
				Q (cumec)	15.493					
				Q (Cusec)	546.71					
				f is silt factor, take=		2				

				[q/f]		273.357				
				[q/f] power1/3		6.48998				
				dn (ft)		3.06976				
				dn (m)		0.9359				
			Maximum scour depth, dm			1.5*dn	**1.40385**			
									Technical Specification	
			Foundation depth, D			1.33 dm	**1.86713**		**2.00**	
Minimum length of headwall extension (m)					E=3h+0.6 or 1.5F whichever is greater					
				F is net drop from top of transverse sill to crest						
				St= height of transverse sill= h/3				0.366667	**0.45**	
				F (m)	1.55					
				E (m)	3.9	or	2.325	say	**4.00**	
Length of Basin Lb										
			Lb (m)= F(2.28*h/F+0.52)			3.314		say	**3.50**	
Height of the sidewall at end sill is taken to be minimum 1.5h1,but more than H/2										
				J (m)	1.5h1	1.5	more than H/2	1	**1.50**	

Height of the sidewall at the weir end										
				Equal to gully depth	3.1				**3.10**	
				M (m)	2(F+1.33h-J)			3.026	**3.00**	
				K (m)	Lb+.1-M			0.574	**1.10**	
Length of Wing wall (WL)										
				WL = 2.25h				2.475	**2.50**	
Depth of Toe Wall										
				h1+0.1				1.1	**1.20**	

WORK ABSTRACT								
Sl. No.	**Item**	**Specification (m)**			**Quantity (cum)**			
		Length	**Breadth**	**Depth**				
1	**Clearing of site (Removal of trees, shrubs and bushes)**	25.00	15.00					
2	**Earth work**							
	a) in hard soil -Headwall Foundation	9.00	3.00	1.35	36.45	Effective depth will be 1.00 m		
	b) in hard soil RHS of Headwall extension	4.00	3.00	4.00	48.00	Effective depth will be 1.00 m		
	c) in hard soil LHS of Headwall extension	4.00	3.00	4.50	54.00	Effective depth will be 1.00 m		
	d) in hard soil cutoff wall	17.00	1.20	1.00	20.40			
	e)in hard soil side wall on both side	8.20	1.80	4.50	66.42	Effective depth will be 1.50 m		
	f) in hard soil Toe wall	9.00	1.80	1.40	22.68	Effective depth will be 1.20 m		
	g) in hard soil Wing wall on both side	5.00	1.80	4.50	40.50	Effective depth will be 1.50 m		
	h) Apron	3.50	9.00	0.50	15.75			
				Total	**304.20**			
3	**Cement concrete**							
	Cement Concrete (1:2:4)							
	a) cutoff wall	9.00	0.60	1.00	5.40			
	b) Head wall coping	9.00	1.20	0.05	0.54			
	c) Apron	3.50	9.00	0.05	1.58			
	d) Transverse sill coping	9.00	0.60	0.05	0.27			
				Total	**7.79**			
	Cement Concrete (1:4:8)							
	e) Cutoff wall	17	0.8	0.15	2.04			
	f) Apron	3.50	9.00	0.15	4.73			
	g) Side wall on both side	8.20	1.40	0.15	1.72			
	h) Wing wall on both side	5.00	1.20	0.15	0.90			
	i)Headwall and Headwall Extension	17.00	1.80	0.15	4.59			

	j) Toe wall				9.00	1.00	0.15	1.35			
							Total	**15.33**			
4	**Requirement of sand to nullify the impact of cracks**										
	a) Below cutoff wall				17.00	0.80	0.10	1.36			
	b)Below Headwall and headwall extension				17.00	1.80	0.10	3.06			
	c) Below side wall on both sides				8.20	1.40	0.10	1.15			
	d) Below wing wall on both side				5.00	1.20	0.10	0.60			
	e) Below apron				3.50	9.00	0.10	3.15			
	f) Below Toe wall				9.00	1.00	0.10	0.90			
							Total	**10.22**			
5	**Stone Masonary in CM 1:4**										
	a) Headwall and Headwall Extension on both side-Foundation				17.00	2.20	1.00	37.40			
	b) Headwall+ Headwall Extension on both side above gully bed-super structure				17.00	1.70	2.00	57.80	Width=(1.2+2.2)/2= 1.70 m		
	c) Headwall Extension on both the side above crest				8.00	1.20	1.10	10.56			
	d) Foundation for side wall on both side				8.20	1.20	1.50	14.76			
	e) Side wall on both side -super structure (K Part)-I				2.20	1.00	1.50	3.30			
	f) Side wall on both side-above part-I mentioned in (e): (K Part)-II				2.20	0.80	1.00	1.76			
	g) Side wall on both side above part-II mentioned in (f): (K Part)-III				2.20	0.60	0.60	0.79			
	i) Side wall on both side-Super structure (M Part)-I				6.00	1.00	1.50	9.00			

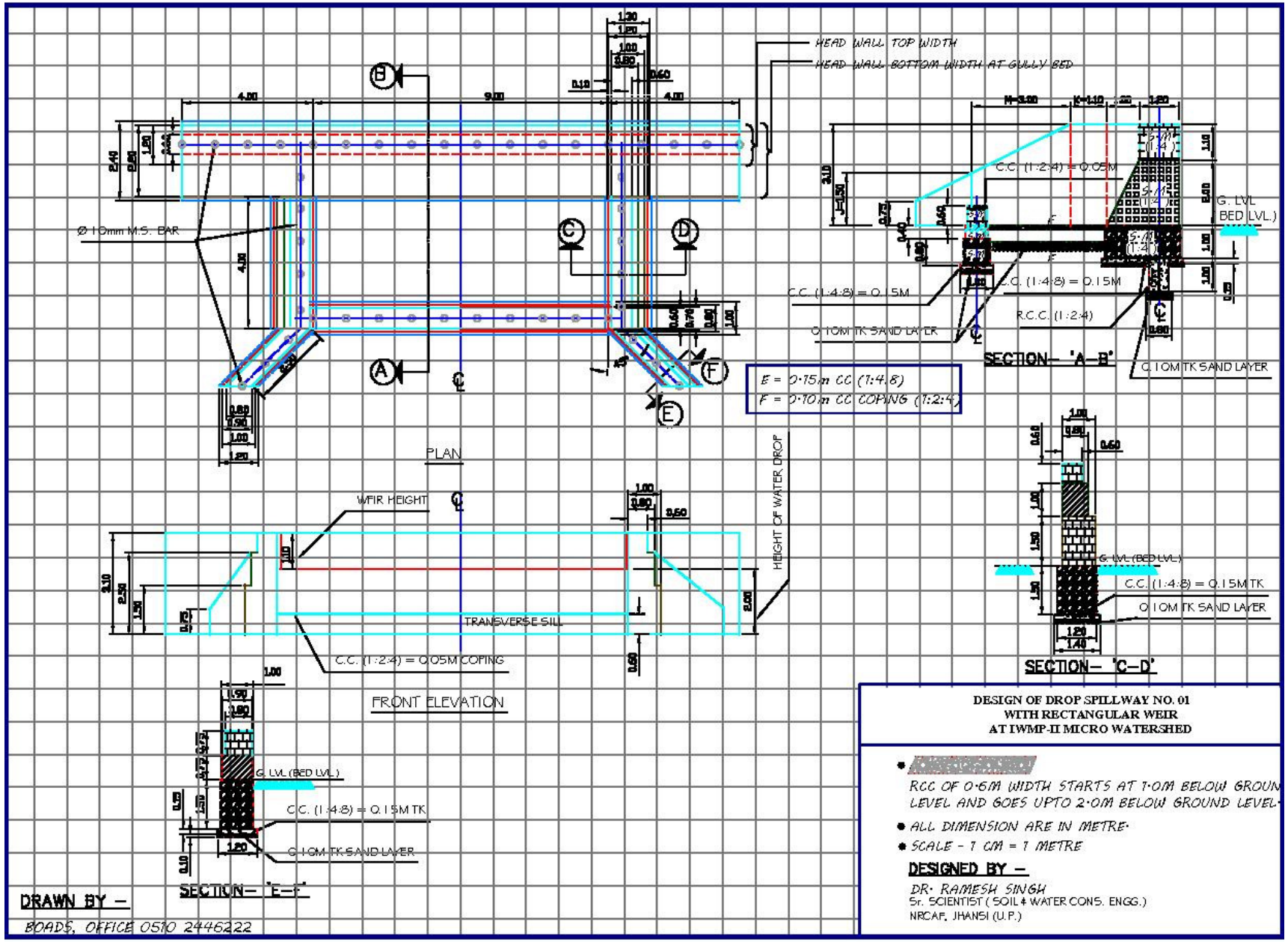
	k) Side wall on both side above Part-II mentioned in (i): (M Part)-III	6.00	0.80	0.80	3.84	Avg. ht. of triangle portion=	0.80	
	l) Foundation for wing wall on both side	5.00	1.00	1.50	7.50			
	m) Wing wall on both side-Super structure-Part- I	5.00	0.90	0.75	3.38			
	n) Wing wall on both side-Above Part-I mentioned in (l): Part -II	5.00	0.80	0.38	1.52	Avg. ht. of triangle portion=	0.38	
	o) Toe wall: Part I	9.00	0.80	0.80	5.76			
	p) Toe wall: Part II	9.00	0.70	0.40	2.52			
	q) Transverse Sill	9.00	0.60	0.60	3.24			
	r) Apron	3.50	9.00	0.40	12.60			
				Total	**175.73**			
6	**M S Bar (10 mm, q)**				**2.50**			
7	**Providing rough stone pitching in u/s (both side)**	34.00	3.00	0.25	**25.50**			
8	**Cement pointing to stone masonary in CM 1:3 (sqm)**							
	a) Headwall both side	18.00		2.00	36.00			
	b) Side wall both side (RHS and LHS)-Part I	8.20		1.50	12.30			
	c) Side wall both side (RHS and LHS)-Part II	2.20		1.60	3.52			
	d) Side wall both side (RHS and LHS)-Part-III	6.00		0.80	4.80	Avg. ht. of triangle portion=	0.80	
	e) Wing wall both side-Part I	5.00		0.75	3.75			
	f) Wing wall both side-Part I	5.00		0.38	1.90	Avg. ht. of triangle portion=	0.38	
				Total	**62.27**			

9	**Filling of black clay soil in the up stream (free from any kind of gravel)**				**5.00**	trolly		

MATERIAL ABSTRACT								
		Required Quantiy						
		Quantiy,cum	Cement,bags	Sand,cum	Conc ,cum	Khanda (cum)	Boulder(cum)	MS Bar (q)
1	Cement Concrete mix for cut-off wall (1:2:4): 12 mm conc.	7.79	49.82	3.50	7.01			
2	Cement Concrete mix for cut-off wall (1:4:8); 20 mm conc.	15.33	52.11	7.20	14.41			
3	Stone Maspnary in CM 1:4	175.73	439.32	59.75		175.73		
4	MS Bar for reinforcing							2.50
5	Boulder for pitching	25.50					25.50	
6	Cement pointing to stone masonary in CM 1:3 (sqm)	62.27	3.86	0.39				
7	Black clay soil (gravel free)	5.00						
8	Requirement of sand to nullify the impact of cracks in black soil			10.22				
	Total		**545.11**	**81.06**	**21.41**	**175.73**	**25.50**	**2.50**

COST ABSTRACT		

	Sl. No.	Item	Quantity	Unit	Rate (Rs./Unit)	Amount (Rs.)		
A	1	Cement	545	Bag	235.00	128101.80		
	2	Sand	81.06	m^3	750.00	60798.32		
	3	Concrete-12 mm	7.01	m^3	1300.00	9108.45		
	4	Concrete-20 mm	14.41	m^3	1150.00	16568.49		
	5	Khanda	176	m^3	1200.00	210872.40		
	6	M S Bar (10 mm Saria)	2.50	q	4000.00	10000.00		
	7	Boulder	25.50	m^3	700.00	17850.00		
	8	Filling of black clay soil in the up stream (free from any kind of gravel)	5.00		1500.00	7500.00		
					Total	**460799.45**		
B	9	Water supply through tanker @ 3 % of material cost				13823.98		
C	9	Labour Charges @ 25%				115199.86		
					Total (A+B+C)	**589823.30**		
	10	Misc. @ 3%				17694.70		
					G. Total	**607518.00**		
		Say Rs. 608000/- (Rs. Six lakh eight thousand only)						
Note: The cost of materials is inclusive of all taxes and transportation to site. It may vary with respect to time								


HEAD WALL TOP WIDTH
HEAD WALL BOTTOM WIDTH AT GULLY BED
Ø 10mm M.S. BAR
PLAN
E = 0·15m CC (1:4:8)
F = 0·10m CC COPING (1:2:4)
C.C. (1:2:4) = 0.05M
G. LVL
BED LVL.)
C.C. (1:4:8) = 0.15M
C.C. (1:4:8) = 0.15M
R.C.C. (1:2:4)
0.10M TK SAND LAYER
SECTION– 'A–B'
0.10M TK SAND LAYER
WEIR HEIGHT
HEIGHT OF WATER DROP
TRANSVERSE SILL
C.C. (1:2:4) = 0.05M COPING
FRONT ELEVATION
G. LVL (BED LVL.)
C.C. (1:4:8) = 0.15M TK
C.C. (1:4:8) = 0.15M TK
0.10M TK SAND LAYER
SECTION– 'C–D'
G. LVL (BED LVL.)
C.C. (1:4:8) = 0.15M TK
0.10M TK SAND LAYER
SECTION– 'E–F'
DESIGN OF DROP SPILLWAY NO. 01
WITH RECTANGULAR WEIR
AT IWMP-II MICRO WATERSHED
RCC OF 0·6M WIDTH STARTS AT 1·0M BELOW GROUN
LEVEL AND GOES UPTO 2·0M BELOW GROUND LEVEL·
ALL DIMENSION ARE IN METRE·
SCALE – 1 CM = 1 METRE
DESIGNED BY –
DR· RAMESH SINGH
Sr. SCIENTIST (SOIL & WATER CONS. ENGG.)
NRCAF, JHANSI (U.P.)
DRAWN BY –
BOADS, OFFICE 0510 2446222

Design of Drop Structure/Drop Spillway of 3 m crest						
HYDROLOGIC DESIGN						
Area (ha)	25					
slope	0.015					
K	7.47					
a	0.17					
b	0.75					
n	0.96					
Time of Concentration						
		Le.77	Se-0.385			
L (m)	200	**59.128**				
S	0.015		**5.037382**			
		hour	Tc + b		(tc+b) power n	
Tc	**5.799**	0.0967	0.846652		0.85231	
Intensity						
		Tr power a				
Tr	15	1.5847				
I		13.889				
Discharge						
			Taken			
	c	0.5	Coeff			
	I	138.89	mm/hr			
	A	25	ha			
	Q	4.8224			Cumec	

HYDRAULIC DESIGN						
	Length of crest weir (m)		**3**			
	Weir height (m)		h			
		Q = 1.71*L*h power (3/2)				
		h power 3/2	0.94005			
		h	0.95966	**0.95**	h1	
		h + free board	1.05563	**1**		
	Depth of gulley		2			
	Height of water drop (H)		1		Say	**1**

STABILITY ANALYSIS										
	Let			**Top width (m)**		t	**0.5**			
				Bottom width (m)		T	**1.1**			
	Weight of dam per unit length (kg)					W	1760		W square	**3E+06**
	Horizontzl water pressure (Kg)					P	500		P square	**250000**
	Uplift pressure (kg)					U	(T*w*H)/2	**550**		
	Net downword force (kg)					Wn	W-U	**1210**	Wn Square	**1E+06**
	Resultant (kg)					R				**1309.2**
						H	1			
						Xbar		**0.4188**		
						Z		**0.1614**		
	Point of Resultant (xbar+Z)							**0.5802**		
						EA		0.6813		
						P*H/3		166.67		
						W*EA		1199		
						b/6		0.1833		
						b/2		0.55		
		e = xbar+Z-b/2				e (OF)		0.0302		
		fmax = Wn/b(1+6*e/b)				fmax		1281		

A Safety against sliding										
					(mu*W)/P			1.21		
B Safety against overturning					(W*EA)/(P*H/3)			2.105		
C Safety against Tension					e<b/6 or b/6-e should be +ive			0.1532		
D Safety against Crushing				Permiss comp Stress kg/sqm			say	10000		
				PCS-fmax should be +ive				8719		
Depth of Foundation										
			Normal scour depth, dn			0.473[Q/f]power1/3				
				Q (cumec)	4.82244					
				Q (Cusec)	170.172					
				f is silt factor, take=		2				
				[q/f]		85.086				
				[q/f] power1/3		4.39831				
				dn (ft)		2.0804				
				dn (m)		0.63427				
			Maximum scour depth, dm			1.5*dn	**0.9514**			
									Technical Specification	
			Foundation depth, D			1.33 dm	**1.26537**		**1.25**	
Minimum length of headwall extension (m)					E=3h+0.6 or 1.5F whichever is greater					
				F is net drop from top of transverse sill to crest						
				St= height of transverse sill= h/3				0.3333	**0.30**	
				F (m)	0.7					
				E (m)	3.6	or	1.05	say	**3.50**	
Length of Basin Lb										
			Lb (m)= F(2.28*h/F+0.52)			2.644		say	**2.60**	
Height of the sidewall at end sill is taken to be minimum 1.5h1,but more than H/2										

				J (m)	1.5h1	1.425	more than H/2	0.5	**1.40**	
Height of the sidewall at the weir end										
				Equal to gully depth	2				**2.00**	
				M (m)	2(F+1.33h-J)			1.26	**1.70**	
				K (m)	Lb+.1-M			1.44	**1.50**	
Length of Wing wall (WL)										
				WL = 2.25h				2.25	**2.25**	
Depth of Toe Wall										
				h1+0.1				1.05	**1.10**	

WORK ABSTRACT

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

	g) in hard soil (Rocky) Wing wall on both side	4.50	1.40	3.00	18.90	Effective depth will be 0.8 m
	h) Apron	2.60	3.00	0.40	3.12	
				Total	**96.08**	
3	**Cement concrete**					
	Cement Concrete (1:2:4)					
	a) cutoff wall	10.00	0.50	0.50	2.50	
	b) Head wall coping	3.00	0.50	0.05	0.08	
	c) Apron	2.60	3.00	0.05	0.39	
	d) Transverse sill coping	3.00	0.50	0.05	0.08	
				Total	**3.04**	
	Cement Concrete (1:4:8)					
	e) Cutoff wall	10.00	0.80	0.15	1.20	
	f) Toe wall	3.00	0.90	0.15	0.41	
	g) Apron	2.60	3.00	0.15	1.17	
	h) Side wall on both side	6.40	1.20	0.15	1.15	
	i) Wing wall on both side	4.50	1.00	0.15	0.68	
	j)Headwall and Headwall Extension	10.00	1.30	0.15	1.95	
				Total	**6.55**	
4	**Requirement of sand to nullify the impact of cracks**					
	a) Below cutoff wall	10.00	0.70	0.10	0.70	
	b)Below Headwall and headwall extension	10.00	0.70	0.10	0.70	
	c) Below side wall on both sides	6.40	1.20	0.10	0.77	
	d) Below wing wall on both side	4.50	1.00	0.10	0.45	
	e) Below apron	2.60	3.00	0.10	0.78	
	f) Below Toe wall	3.00	0.90	0.10	0.27	
				Total	**3.67**	
5	**Stone Masonary in CM 1:4**					
	a) Headwall and Headwall Extension on both side-Foundation	10.00	1.10	0.75	8.25	

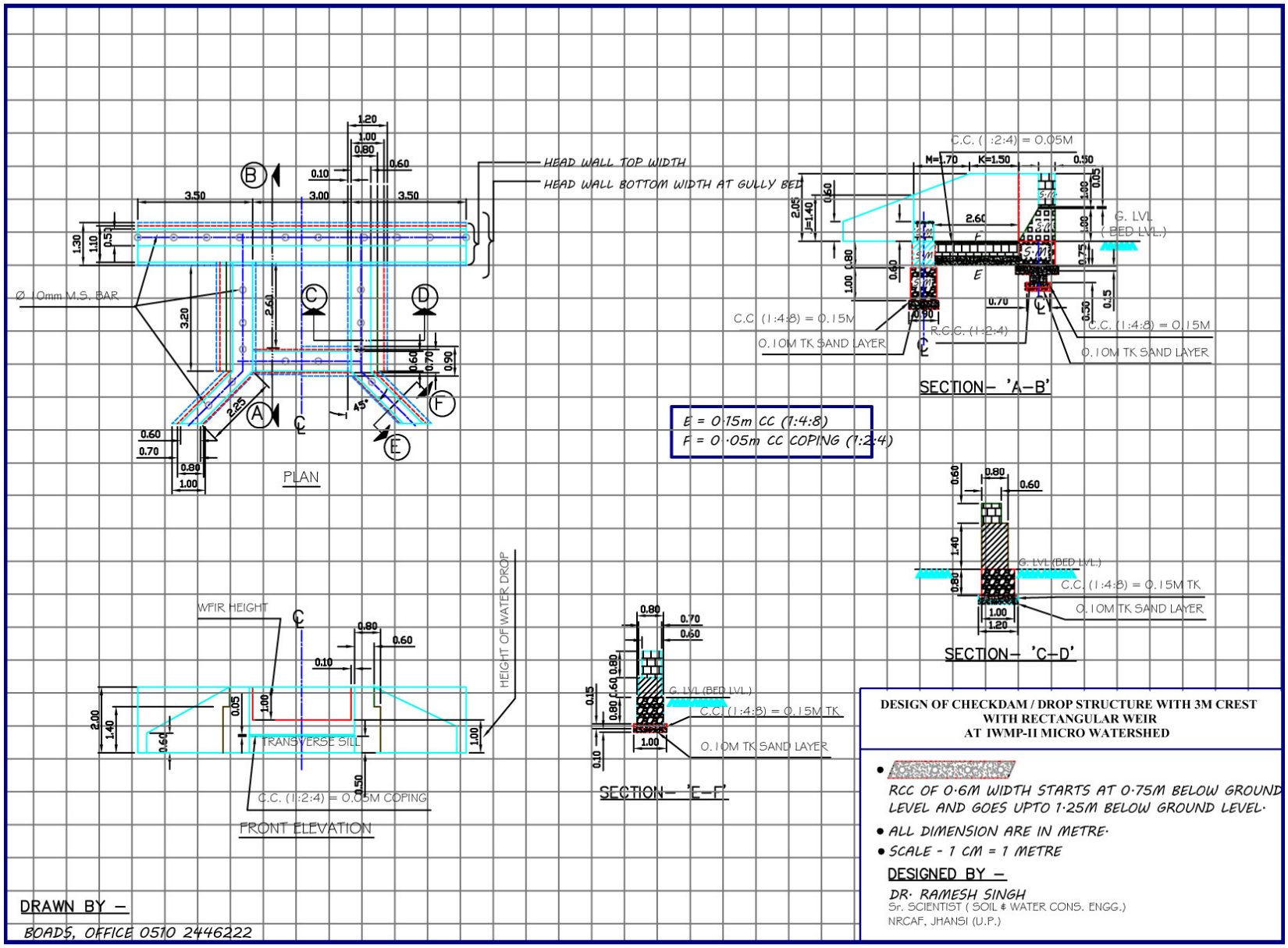
	b) Headwall+ Headwall Extension on both side above gully bed-super structure	10.00	0.80	1.00	8.00	Width=(0.5+1.1)/2= 0.8 m		
	c) Headwall Extension on both the side above crest	7.00	0.50	1.00	3.50			
	d) Foundation for side wall on both side	6.40	1.00	0.80	5.12			
	e) Side wall on both side -super structure (K Part)-I	3.00	0.80	1.40	3.36			
	f) Side wall on both side-above part-I mentioned in (e): (K Part)-II	3.00	0.60	0.60	1.08			
	g) Side wall on both side-Super structure (M Part)-I	3.40	0.80	1.40	3.81			
	h) Side wall on both side above Part-I mentioned in (i): (M Part)-II	3.40	0.60	0.30	0.61	Avg. ht. of triangle portion=		0.30
	i) Foundation for wing wall on both side	4.50	0.80	0.80	2.88			
	j) Wing wall on both side-Super structure- Part- I	4.50	0.70	0.60	1.89			
	k) Wing wall on both side-Above Part-I mentioned in (l): Part -II	4.50	0.60	0.40	1.08	Avg. ht. of triangle portion=		0.40
	l) Toe wall: Part I	3.00	0.70	0.70	1.47			
	m) Toe wall: Part II	3.00	0.60	0.40	0.72			
	n) Transverse Sill	3.00	0.60	0.30	0.54			
	o) Apron	2.60	3.00	0.40	3.12			
				Total	**45.43**			
6	**M S Bar (10 mm, q)**				**2.00**			
7	**Providing rough stone pitching in u/s (both side)**	34.00	2.00	0.25	**17.00**			
8	**Cement pointing to stone masonary in CM 1:3 (sqm)**							
	a) Headwall both side	6.00		1.00	6.00			
	b) Side wall both side (RHS and LHS)-Part I	6.40		1.40	8.96			
	c) Side wall both side (RHS and LHS)-Part II	3.00		0.60	1.80			
	d) Side wall both side (RHS and LHS)-Part-III	3.40		0.30	1.02	Avg. ht. of triangle portion=		0.30
	e) Wing wall both side-Part I	4.50		0.60	2.70			
	f) Wing wall both side-Part I	6.00		0.40	2.40	Avg. ht. of triangle portion=		0.40

				Total	**22.88**			
9	**Filling of black clay soil in the up stream (free from any kind of gravel)**				**3.00**	trolly		

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

COST ABSTRACT

	Sl. No.	Item	Quantity	Unit	Rate (Rs./Unit)	Amount (Rs.)
A	1	Cement	157	Bag	235.00	36830.69
	2	Sand	23.71	m^3	750.00	17779.34
	3	Concrete-12 mm	2.74	m^3	1300.00	3556.80
	4	Concrete-20 mm	6.16	m^3	1150.00	7082.71
	5	Khanda	45	m^3	1200.00	54516.00
	6	M S Bar (10 mm Saria)	2.00	q	4000.00	8000.00
	7	Boulder	17.00	m^3	700.00	11900.00
	8	Filling of black clay soil in the up stream (free from any kind of gravel)	3.00		1500.00	4500.00
					Total	**144165.54**
B	9	Water supply through tanker @ 3 % of material cost				4324.97
C	9	Labour Charges @ 25%				36041.39
					Total (A+B+C)	**184531.90**
	10	Misc. @ 3%				5535.96
					G. Total	**190067.85**
		Say Rs. 190000/- (Rs. One lakh ninety thousand only)				


HEAD WALL TOP WIDTH
HEAD WALL BOTTOM WIDTH AT GULLY BED
Ø 10mm M.S. BAR
PLAN
C.C. (:2:4) = 0.05M
G. LVL
(BED LVL.)
C.C (1:4:8) = 0.15M
R.C.C. (1:2:4)
0.10M TK SAND LAYER
C.C. (1:4:8) = 0.15M
0.10M TK SAND LAYER
SECTION– 'A–B'
E = 0.15m CC (1:4:8)
F = 0.05m CC COPING (1:2:4)
G. LVL (BED LVL.)
C.C. (1:4:8) = 0.15M TK
0.10M TK SAND LAYER
SECTION– 'C–D'
WEIR HEIGHT
HEIGHT OF WATER DROP
TRANSVERSE SILL
C.C. (1:2:4) = 0.05M COPING
FRONT ELEVATION
G. LVL (BED LVL.)
C.C (1:4:8) = 0.15M TK
0.10M TK SAND LAYER
SECTION– 'E–F'
DESIGN OF CHECKDAM / DROP STRUCTURE WITH 3M CREST
WITH RECTANGULAR WEIR
AT IWMP-II MICRO WATERSHED
RCC OF 0.6M WIDTH STARTS AT 0.75M BELOW GROUND LEVEL AND GOES UPTO 1.25M BELOW GROUND LEVEL.
ALL DIMENSION ARE IN METRE.
SCALE - 1 CM = 1 METRE
DESIGNED BY –
DR. RAMESH SINGH
Sr. SCIENTIST (SOIL & WATER CONS. ENGG.)
NRCAF, JHANSI (U.P.)
DRAWN BY –
BOADS, OFFICE 0510 2446222

Design of Drop Structure/Drop Spillway of 4 m crest										
HYDROLOGIC DESIGN										
Area (ha)	40									
slope	0.008									
K	7.47									
a	0.17									
b	0.75									
n	0.96									
Time of Concentration										
		Le.77	Se-0.385							
L (m)	500	**119.73**								
S	0.008		**6.41668**							
		hour	Tc + b		(tc+b) power n					
Tc	**14.96**	0.2493	0.999306		0.99933					
Intensity										
		Tr power a								
Tr	15	1.5847								
I		11.845								
Discharge										
			Taken							
	c	0.5	Coeff							
	I	118.45	mm/hr							
	A	40	ha							
	Q	6.5807			Cumec					

HYDRAULIC DESIGN

	Length of crest weir (m)		**4**						
	Weir height (m)	h							
		Q = 1.71*L*h power (3/2)							
		h power 3/2	0.96209						
		h	0.97459	**0.95**	h1				
		h + free board	1.07205	**1**					
	Depth of gulley		2						
	Height of water drop (H)		1		Say	**1**			

STABILITY ANALYSIS									
	Let		**Top width (m)**		t	**0.5**			
			Bottom width (m)		T	**1.1**			
	Weight of dam per unit length (kg)				W	1760		W square	**3097600**
	Horizontzl water pressure (Kg)				P	500		P square	**250000**
	Uplift pressure (kg)				U	(T*w*H)/2	**550**		
	Net downword force (kg)				Wn	W-U	**1210**	Wn Square	**1464100**
	Resultant (kg)				R				**1309**
					H	1			
					Xbar		**0.4188**		
					Z		**0.1614**		
	Point of Resultant (xbar+Z)						**0.5802**		
					EA		0.6813		
					P*H/3		166.67		
					W*EA		1199		
					b/6		0.1833		
		e = xbar+Z-b/2			e (OF)		0.0302		
		fmax = Wn/b(1+6*e/b)			fmax		1281		
A Safety against sliding									
				(mu*W)/P			1.21		

B Safety against overturning				(W*EA)/(P*H/3)			2.105		
C Safety against Tension				e<b/6 or b/6-e should be +ive			0.1532		
D Safety against Crushing			Permiss comp Stress kg/sqm			say	10000		
			PCS-fmax should be +ive				8719		
Depth of Foundation									
	Normal scour depth, dn			0.473[Q/f]power1/3					
	Q (cumec)	6.58072							
	Q (Cusec)	232.217							
	f is silt factor, take=		2						
	[q/f]		116.109						
	[q/f] power1/3		4.87852						
	dn (ft)		2.30754						
	dn (m)		0.70352						
	Maximum scour depth, dm		1.5*dn		**1.05528**				
								Technical Specification	
	Foundation depth, D		1.33 dm		**1.40352**			**1.40**	
Minimum length of headwall extension (m)			E=3h+0.6 or 1.5F whichever is greater						
	F is net drop from top of transverse sill to crest								
	St= height of transverse sill= h/3						0.3333	**0.30**	
	F (m)	0.7							
	E (m)	3.6	or	1.05	say			**3.50**	
Length of Basin Lb									
	Lb (m)= F(2.28*h/F+0.52)		2.644			say		**2.60**	
Height of the sidewall at end sill is taken to be minimum 1.5h1,but more than H/2									
	J (m)	1.5h1	1.425	more than H/2	0.5			**1.40**	
Height of the sidewall at the weir end									
	Equal to gully depth	2						**2.00**	
	M (m)	2(F+1.33h-J)					1.26	**1.70**	

				K (m)	Lb+.1-M			1.44	**1.50**	
Length of Wing wall (WL)										
				WL = 2.25h				2.25	**2.25**	
Depth of Toe Wall										
				h1+0.1				1.05	**1.10**	

WORK ABSTRACT

Sl. No.	Item	Specification (m)			Quantity (cum)			
		Length	**Breadth**	**Depth**				
1	**Clearing of site (Removal of trees, shrubs and bushes)**	10.00	10.00					
2	**Earth work**							
	a) in hard soil (rocky)-Headwall Foundation	4.00	1.90	1.00	7.60	Effective depth will be 0.70 m		
	b) in hard soil (rocky) RHS of Headwall extension	3.50	1.90	2.00	13.30	Effective depth will be 0.75 m		
	c) in hard soil (rocky) LHS of Headwall extension	3.50	1.90	2.00	13.30	Effective depth will be 0.75 m		
	d) in hard soil (rocky) cutoff wall	11.00	1.20	0.75	9.90			
	e)in hard soil (rocky) side wall on both side	6.40	1.60	3.00	30.72	Effective depth will be 1 m		
	f) in hard soil (Rocky) Toe wall	4.00	1.40	1.20	6.72	Effective depth will be 1.10 m		
	g) in hard soil (Rocky) Wing wall on both side	4.50	1.40	3.00	18.90	Effective depth will be 1 m		
	h) Apron	2.60	4.00	0.40	4.16			
				Total	**104.60**			
3	**Cement concrete**							

	Cement Concrete (1:2:4)							
	a) cutoff wall	11.00	0.50	0.70	3.85			
	b) Head wall coping	4.00	0.50	0.05	0.10			
	c) Apron	2.60	4.00	0.05	0.52			
	d) Transverse sill coping	4.00	0.50	0.05	0.10			
				Total	**4.57**			
	Cement Concrete (1:4:8)							
	e) Cutoff wall	11.00	0.70	0.15	1.16			
	f) Toe wall	4.00	0.90	0.15	0.54			
	g) Apron	2.60	4.00	0.15	1.56			
	h) Side wall on both side	6.40	1.20	0.15	1.15			
	i) Wing wall on both side	4.50	1.00	0.15	0.68			
	j)Headwall and Headwall Extension	10.00	1.30	0.15	1.95			
				Total	**7.03**			
4	**Requirement of sand to nullify the impact of cracks**							
	a) Below cutoff wall	11.00	0.70	0.10	0.77			
	b)Below Headwall and headwall extension	11.00	0.70	0.10	0.77			
	c) Below side wall on both sides	6.40	1.20	0.10	0.77			
	d) Below wing wall on both side	4.50	1.00	0.10	0.45			
	e) Below apron	2.60	4.00	0.10	1.04			
	f) Below Toe wall	4.00	0.90	0.10	0.36			
				Total	**4.16**			
5	**Stone in CM 1:4**							
	a) Headwall and Headwall Extension on both side-Foundation	11.00	1.10	0.70	8.47			
	b) Headwall+ Headwall Extension on both side above gully bed-super structure	11.00	0.80	1.00	8.80	Width=(0.5+1.1)/2= 0.8 m		
	c) Headwall Extension on both the side above crest	7.00	0.50	1.00	3.50			
	d) Foundation for side wall on both side	6.40	1.00	1.00	6.40			

	e) Side wall on both side -super structure (K Part)-I	3.00	0.80	1.40	3.36			
	f) Side wall on both side-above part-I mentioned in (e): (K Part)-II	3.00	0.60	0.60	1.08			
	g) Side wall on both side-Super structure (M Part)-I	3.40	0.80	1.40	3.81			
	h) Side wall on both side above Part-I mentioned in (i): (M Part)-II	3.40	0.60	0.30	0.61	Avg. ht. of triangle portion=		0.30
	i) Foundation for wing wall on both side	4.50	0.80	1.00	3.60			
	j) Wing wall on both side-Super structure- Part- I	4.50	0.70	0.60	1.89			
	k) Wing wall on both side-Above Part-I mentioned in (l): Part -II	4.50	0.60	0.40	1.08	Avg. ht. of triangle portion=		0.40
	l) Toe wall: Part I	4.00	0.70	0.70	1.96			
	m) Toe wall: Part II	4.00	0.60	0.40	0.96			
	n) Transverse Sill	4.00	0.60	0.30	0.72			
	o) Apron	2.60	4.00	0.40	4.16			
				Total	**50.40**			
6	**M S Bar (10 mm, q)**				**2.00**			
7	**Providing rough stone pitching in u/s (both side)**	34.00	2.00	0.25	**17.00**			
8	**Cement pointing to stone masonry in CM 1:3 (sqm)**							
	a) Headwall both side	8.00		1.00	8.00			
	b) Side wall both side (RHS and LHS)-Part I	6.40		1.40	8.96			
	c) Side wall both side (RHS and LHS)-Part II	3.00		0.60	1.80			
	d) Side wall both side (RHS and LHS)-Part-III	3.40		0.30	1.02	Avg. ht. of triangle portion=		0.30
	e) Wing wall both side-Part I	4.50		0.60	2.70			
	f) Wing wall both side-Part I	6.00		0.40	2.40	Avg. ht. of triangle portion=		0.40
				Total	**24.88**			

9	**Filling of black clay soil in the up stream (free from any kind of gravel)**				**3.00**	trolly		

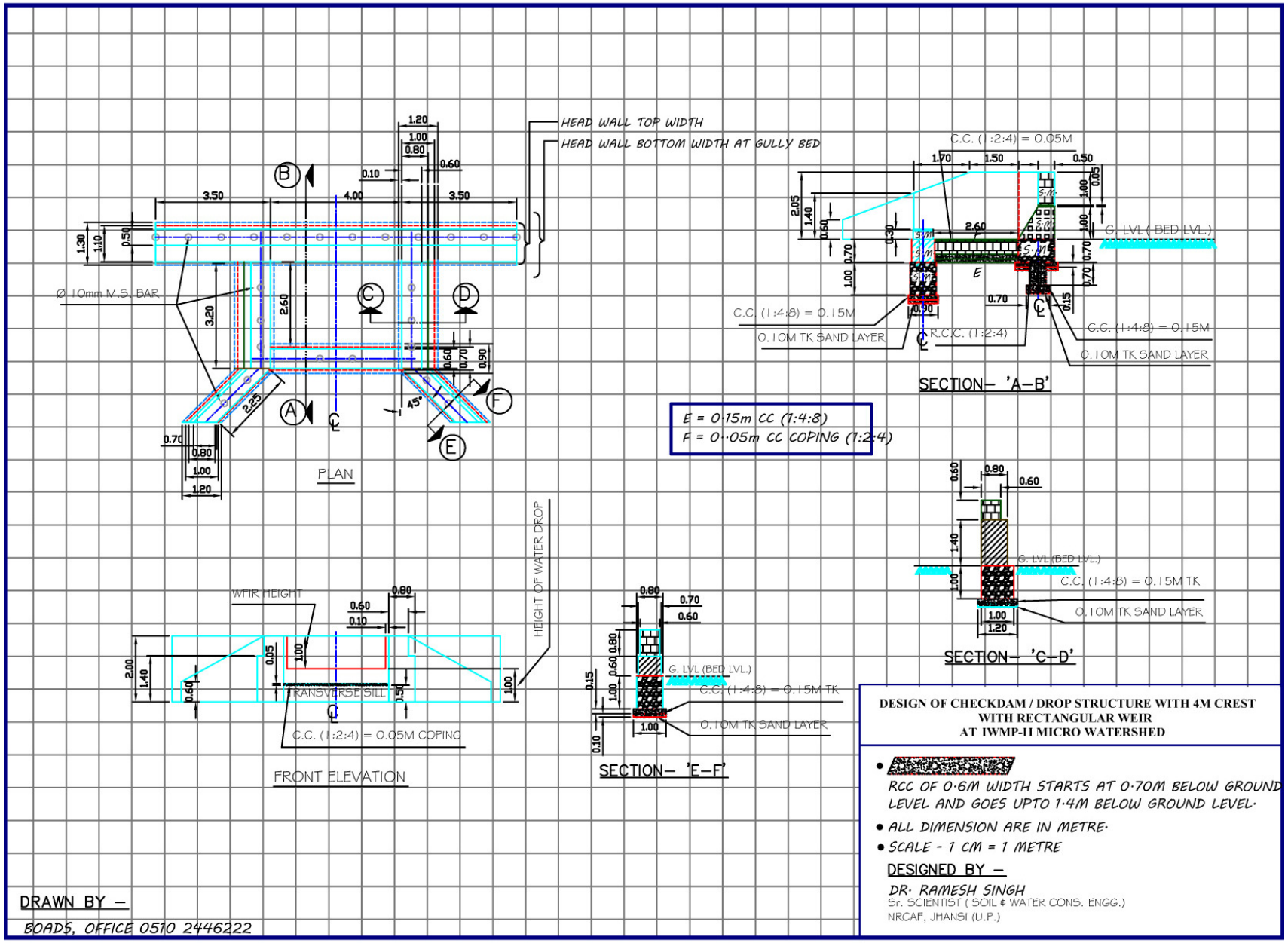
MATERIAL ABSTRACT

Required Quantiy

S.N.		Quantiy,cum	Cement,bags	Sand,cum	Conc ,cum	Khanda (cum)	Boulder(cum)	MS Bar (q)
1	Cement Concrete mix for cut-off wall (1:2:4): 12 mm conc.	4.57	29.25	2.06	4.11			
2	Cement Concrete mix for cut-off wall (1:4:8); 20 mm conc.	7.03	23.91	3.31	6.61			
3	Stone Maspnary in CM 1:4	50.40	126.00	17.14		50.40		
4	MS Bar for reinforcing							1.50
5	Boulder for pitching	17.00					17.00	
6	Cement pointing to stone masonry in CM 1:3 (sqm)	24.88	1.54	0.16				
7	Black clay soil (gravel free)	3.00						
8	Requirement of sand to nullify the impact of cracks in black soil			4.16				
	Total		**180.70**	**26.81**	**10.72**	**50.40**	**17.00**	**1.50**

COST ABSTRACT

	Sl. No.	Item	Quantity	Unit	Rate (Rs./Unit)	Amount (Rs.)
A	1	Cement	181	Bag	235.00	42464.35
	2	Sand	26.81	m3	750.00	20109.21
	3	Concrete-12 mm	4.11	m3	1300.00	5346.90
	4	Concrete-20 mm	6.61	m3	1150.00	7601.59
	5	Khanda	50	m3	1200.00	60480.00
	6	M S Bar (10 mm Saria)	2.00	q	4000.00	8000.00
	7	Boulder	17.00	m3	700.00	11900.00
	8	Filling of black clay soil in the up stream (free from any kind of gravel)	3.00		1500.00	4500.00
					Total	160402.05
B	9	Water supply through tanker @ 3 % of material cost				4812.06
C	9	Labour Charges @ 25%				40100.51
					Total (A+B+C)	205314.63
	10	Misc. @ 3%				6159.44
					G. Total	**211474.07**
		Say Rs. 211000/- (Rs. Two lakh eleven thousand only)				


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

MAPS

PROPOSED PLAN

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Chhiraura Bujurg
Microwatershed Code : 2C2B1q2b

0 0.2 0.4 0.8 km



Legend

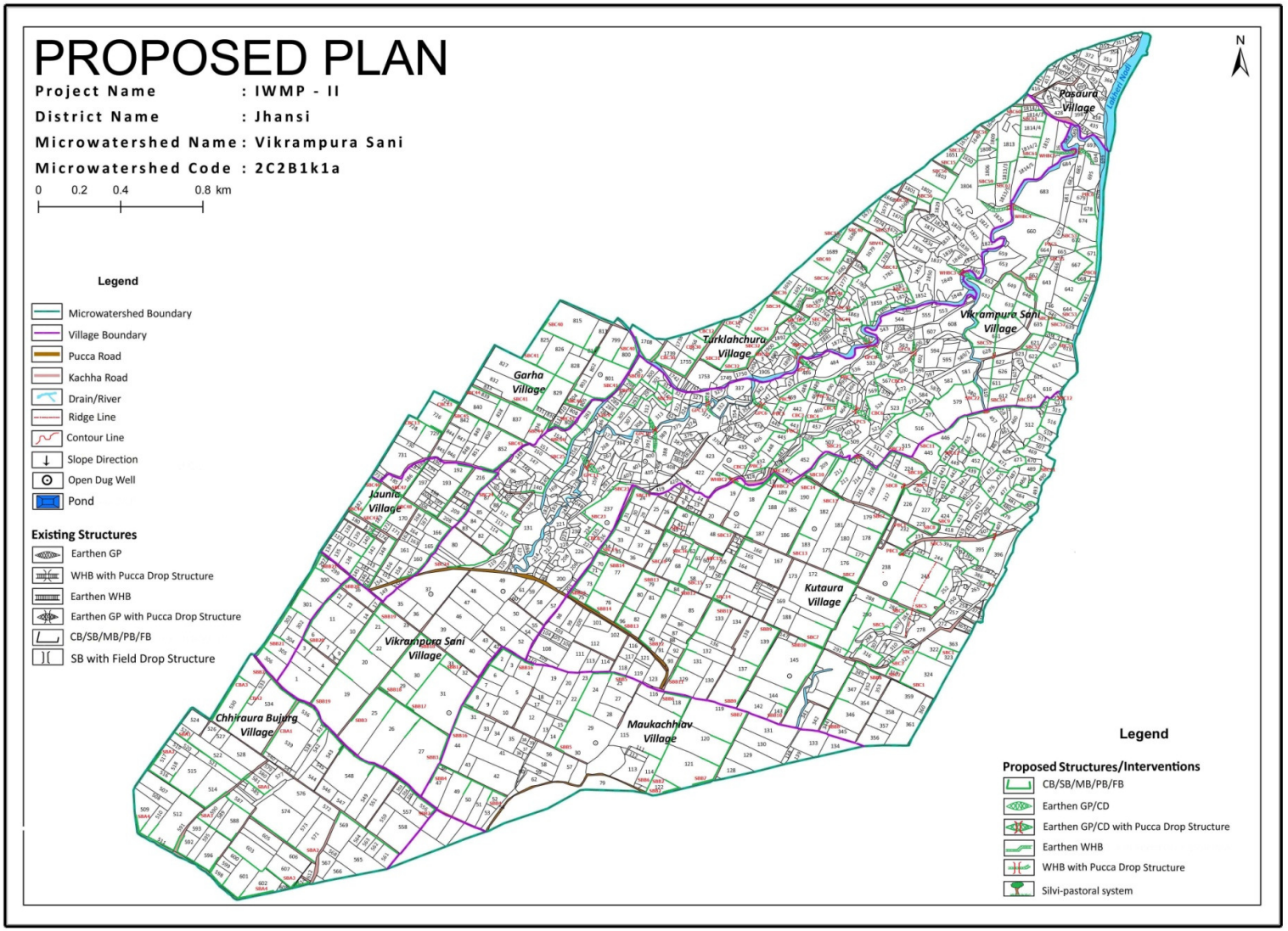
- Microwatershed Boundary
- Village Boundary
- Pucca Road
- Kachha Road
- Drain/River
- Ridge Line
- Contour Line
- Slope Direction
- Open Dug Well
- Pond

Existing Structures

- Earthen GP
- WHB with Pucca Drop Structure
- Earthen WHB
- Earthen GP with Pucca Drop Structure
- CB/SB/MB/PB/FB
- SB with Field Drop Structure

Proposed Structures/Interventions

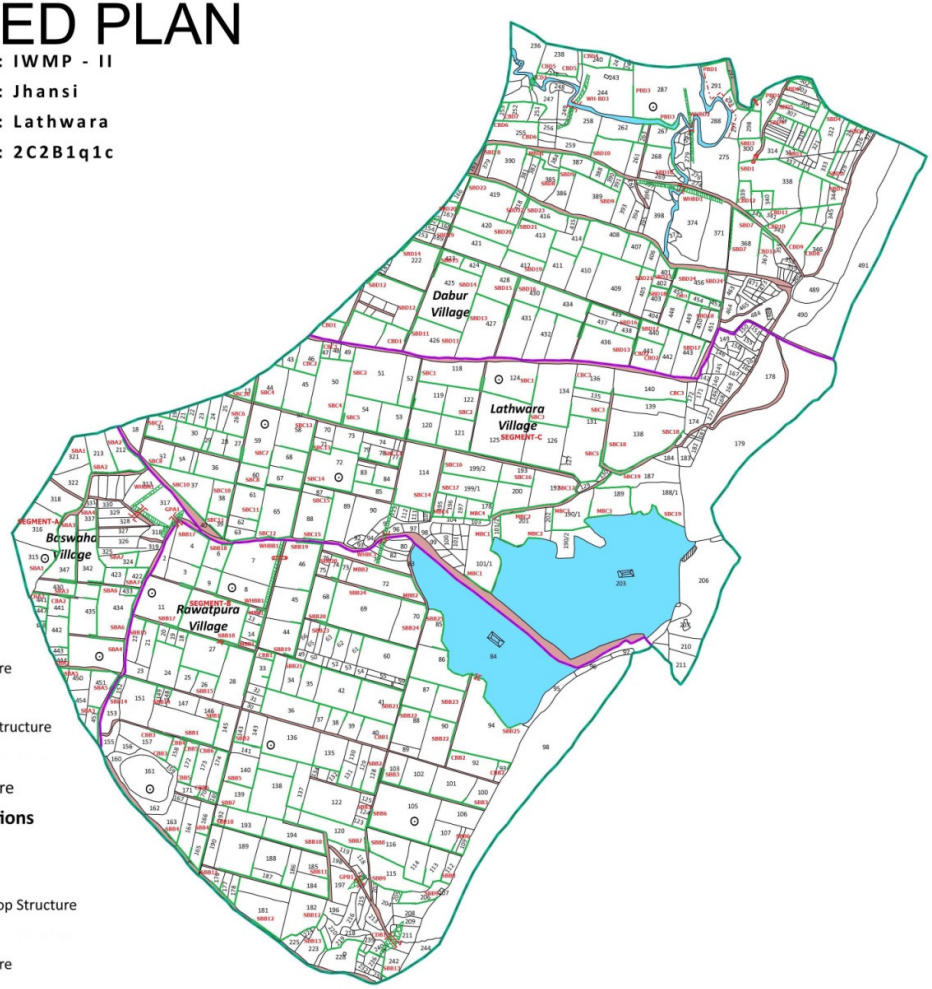
- CB/SB/MB/PB/FB
- Earthen GP/CD
- Earthen GP/CD with Pucca Drop Structure
- Earthen WHB
- WHB with Pucca Drop Structure
- Silvi-pastoral system


PROPOSED PLAN
Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Vikrampura Sani
Microwatershed Code : 2C2B1k1a
0 0.2 0.4 0.8 km
N
Legend
Microwatershed Boundary
Village Boundary
Pucca Road
Kachha Road
Drain/River
Ridge Line
Contour Line
Slope Direction
Open Dug Well
Pond
Existing Structures
Earthen GP
WHB with Pucca Drop Structure
Earthen WHB
Earthen GP with Pucca Drop Structure
CB/SB/MB/PB/FB
SB with Field Drop Structure
Posaura Village
Turklahchura Village
Garha Village
Vikrampura Sani Village
Jaunia Village
Kutaura Village
Vikrampura Sani Village
Chhiraura Bujurg Village
Maukachhiav Village
Legend
Proposed Structures/Interventions
CB/SB/MB/PB/FB
Earthen GP/CD
Earthen GP/CD with Pucca Drop Structure
Earthen WHB
WHB with Pucca Drop Structure
Silvi-pastoral system

PROPOSED PLAN

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Lathwara
Microwatershed Code : 2C2B1q1c

0 0.2 0.4 0.8 km



Legend

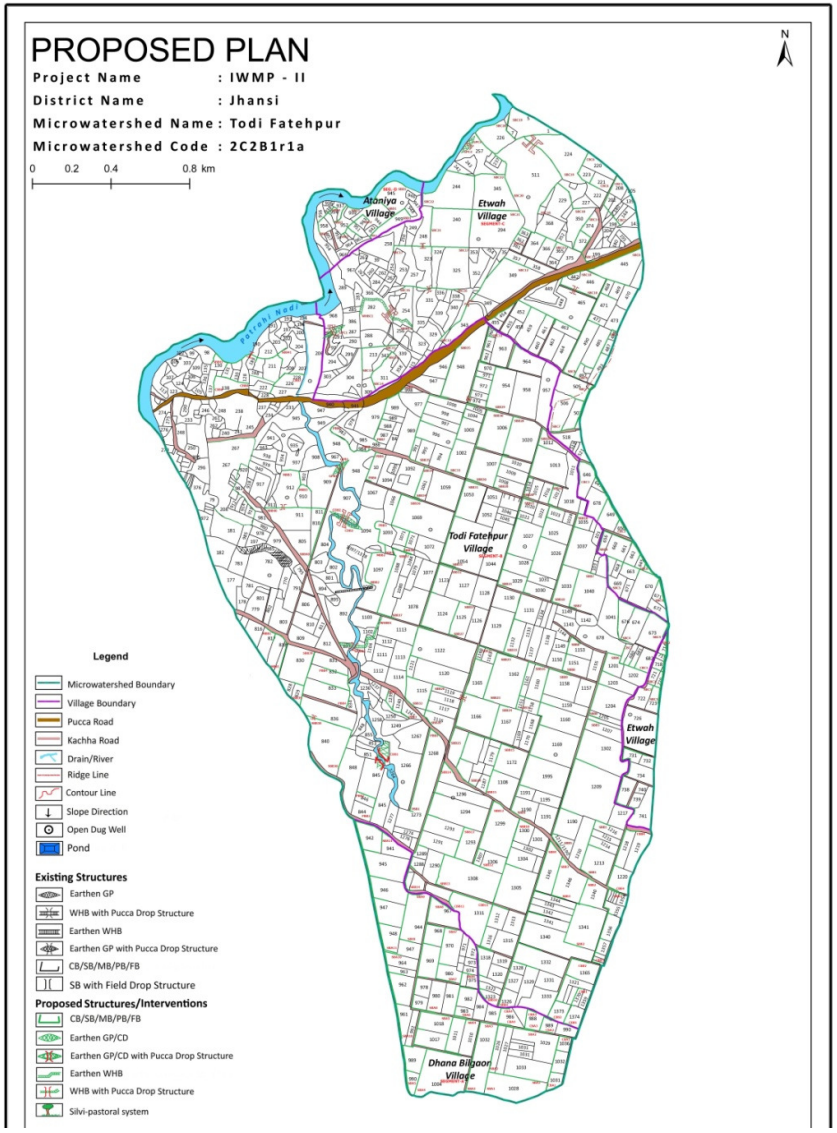
- Microwatershed Boundary
- Village Boundary
- Pucca Road
- Kachha Road
- Drain/River
- Ridge Line
- Contour Line
- Slope Direction
- Open Dug Well
- Pond

Existing Structures

- Earthen GP
- WHB with Pucca Drop Structure
- Earthen WHB
- Earthen GP with Pucca Drop Structure
- CB/SB/MB/PB/FB
- SB with Field Drop Structure

Proposed Structures/Interventions

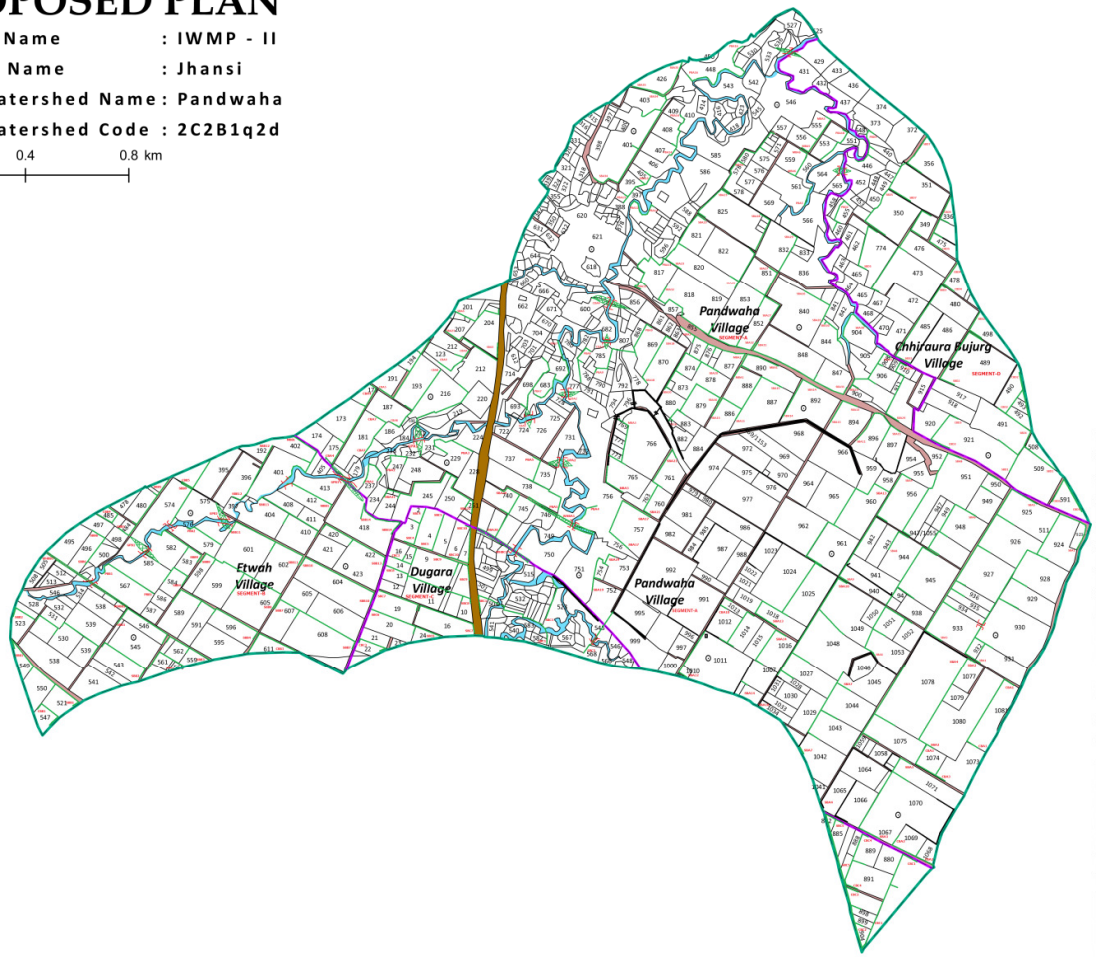
- CB/SB/MB/PB/FB
- Earthen GP/CD
- Earthen GP/CD with Pucca Drop Structure
- Earthen WHB
- WHB with Pucca Drop Structure
- Silvi-pastoral system


PROPOSED PLAN
Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Todi Fatehpur
Microwatershed Code : 2C2B1r1a
0 0.2 0.4 0.8 km
N
Atoniya Village
Etwah Village
Todi Fatehpur Village
Etwah Village
Dhana Bilgaon Village
Legend
Microwatershed Boundary
Village Boundary
Pucca Road
Kachha Road
Drain/River
Ridge Line
Contour Line
Slope Direction
Open Dug Well
Pond
Existing Structures
Earthen GP
WHB with Pucca Drop Structure
Earthen WHB
Earthen GP with Pucca Drop Structure
CB/SB/MB/PB/FB
SB with Field Drop Structure
Proposed Structures/Interventions
CB/SB/MB/PB/FB
Earthen GP/CD
Earthen GP/CD with Pucca Drop Structure
Earthen WHB
WHB with Pucca Drop Structure
Silvi-pastoral system

PROPOSED PLAN

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Pandwaha
Microwatershed Code : 2C2B1q2d

0 0.2 0.4 0.8 km



N

Legend

- Microwatershed Boundary
- Village Boundary
- Pucca Road
- Kachha Road
- Drain/River
- Ridge Line
- Contour Line
- Slope Direction
- Open Dug Well
- Pond

Existing Structures

- Earthen GP
- WHB with Pucca Drop Structure
- Earthen WHB
- Earthen GP with Pucca Drop Structure
- CB/SB/MB/PB/FB
- SB with Field Drop Structure

Proposed Structures/Interventions

- CB/SB/MB/PB/FB
- Earthen GP/CD
- Earthen GP/CD with Pucca Drop Structure
- Earthen WHB
- WHB with Pucca Drop Structure
- Silvi-pastoral system

PROPOSED PLAN

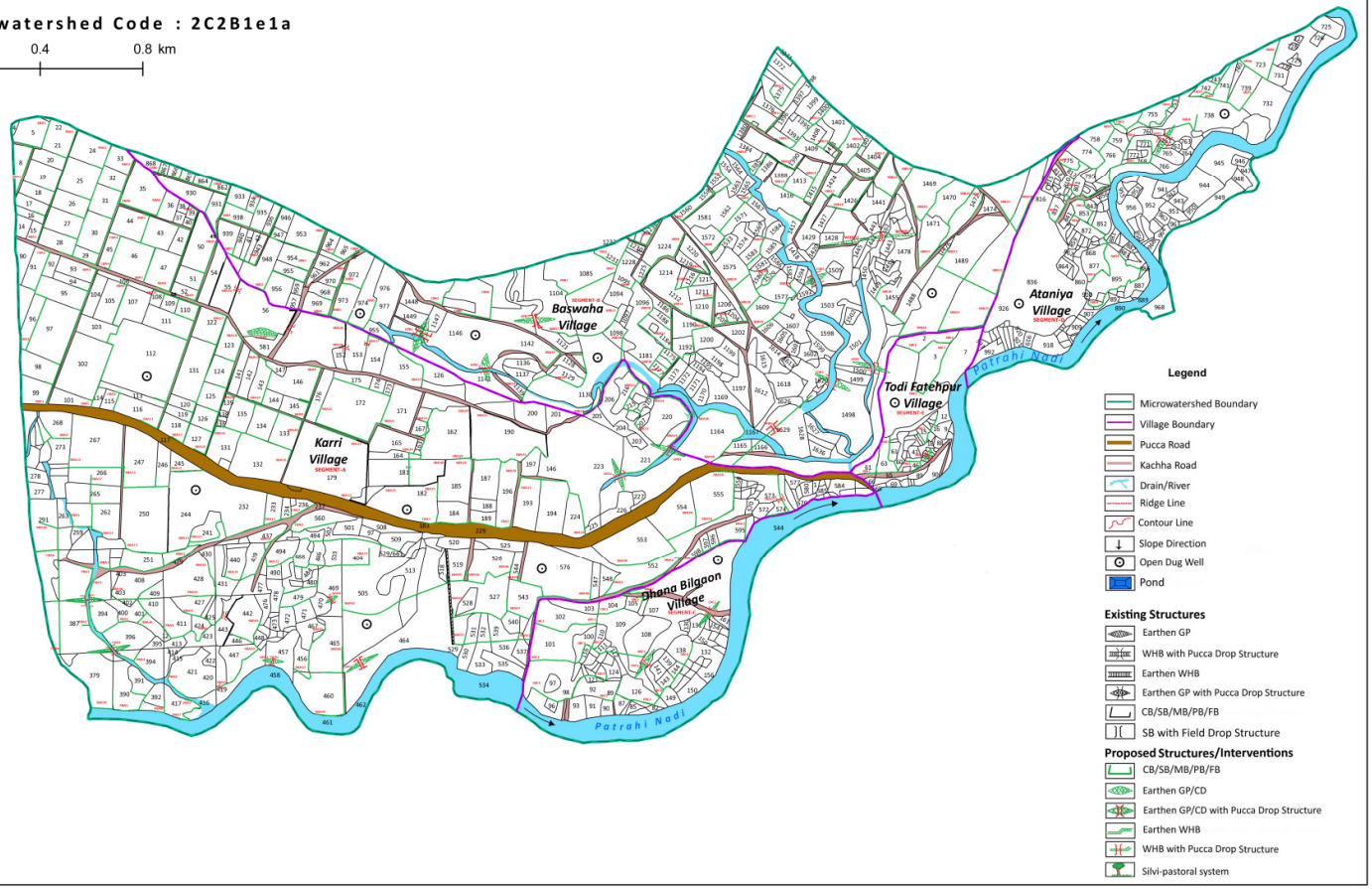
Project Name : IWMP - II

District Name : Jhansi

Microwatershed Name : Karri

Microwatershed Code : 2C2B1e1a

0 0.2 0.4 0.8 km



PROPOSED PLAN

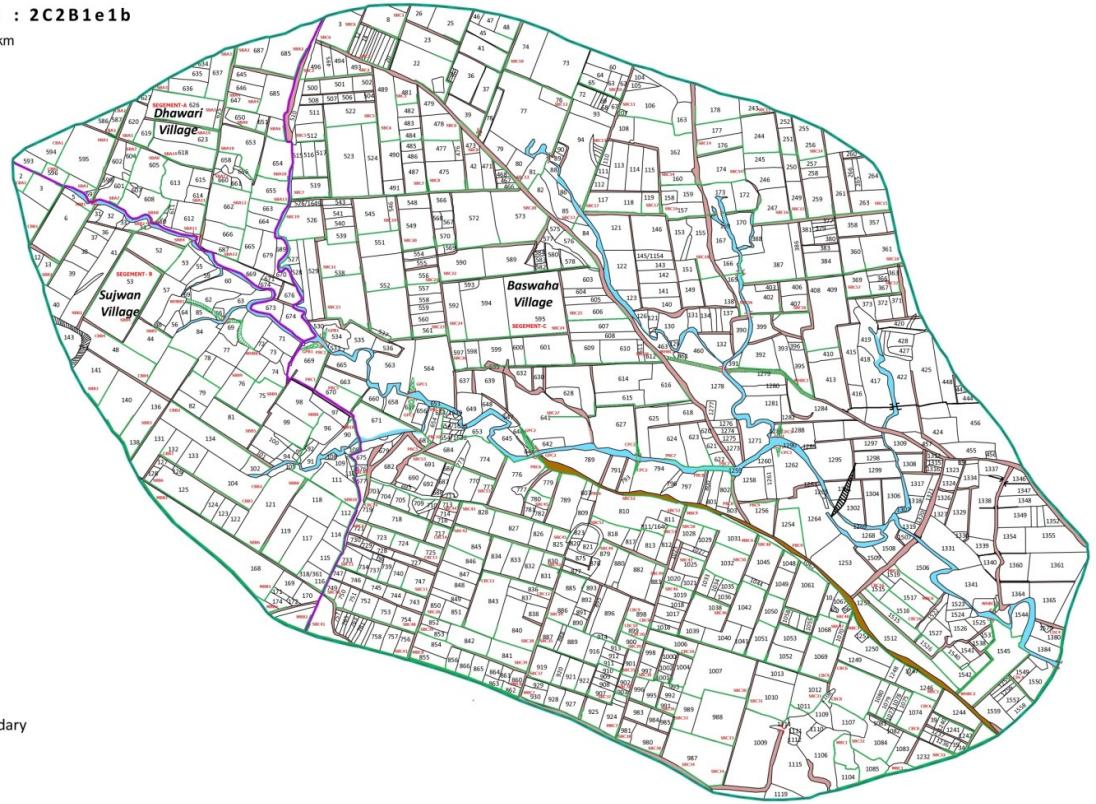
Project Name : IWMP - II

District Name : Jhansi

Microwatershed Name : Baswaha

Microwatershed Code : 2C2B1e1b

0 0.2 0.4 0.8 km



Legend

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

PROPOSED PLAN

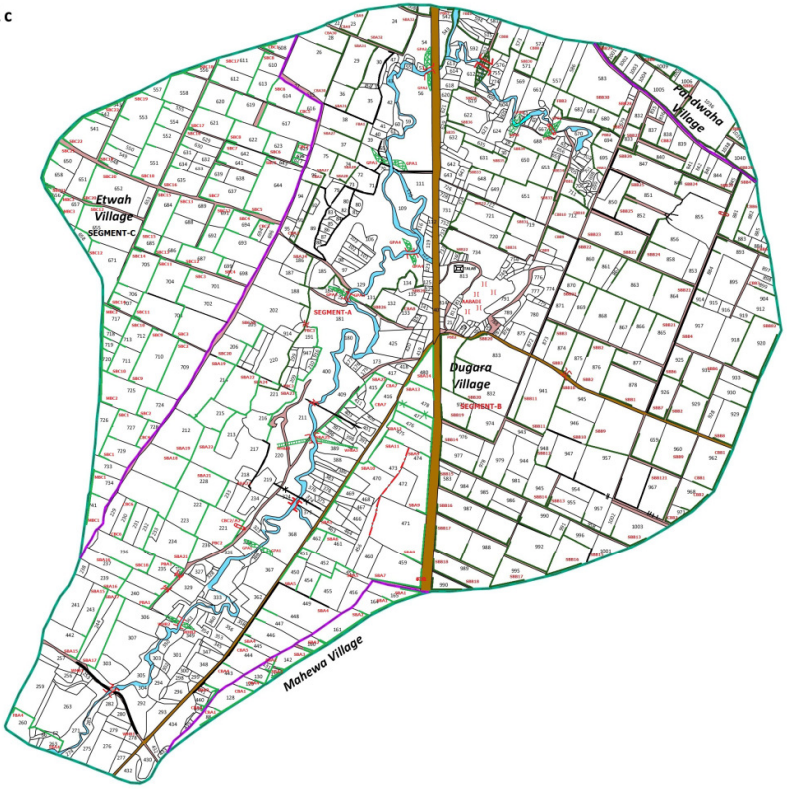
Project Name : IWMP - II

District Name : Jhansi

Microwatershed Name : Dugara

Microwatershed Code : 2C2B1q2c

0 0.2 0.4 0.8 km



Legend

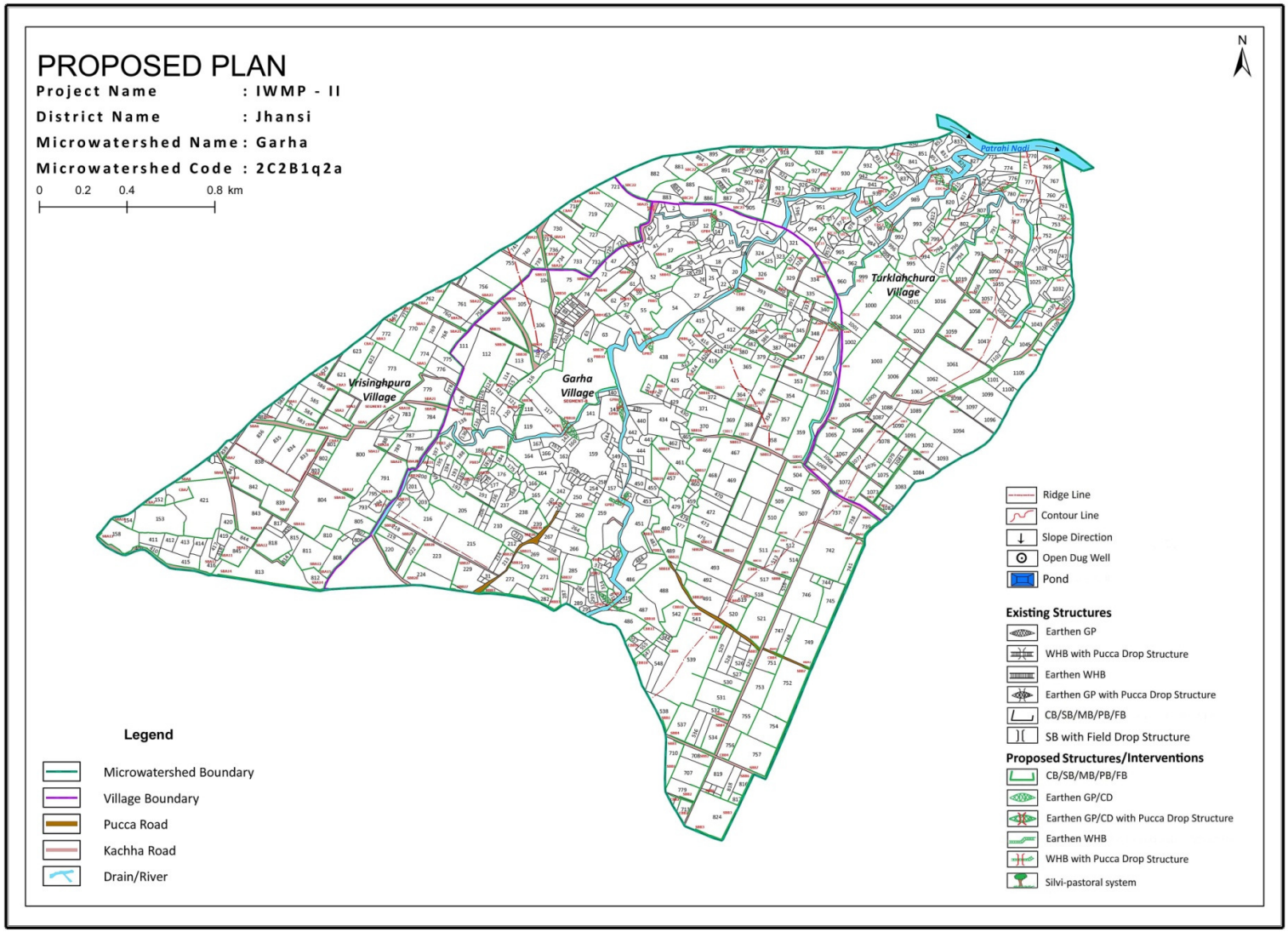
- Microwatershed Boundary
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- Pucca Road
- Kachha Road
- Drain/River
- Ridge Line
- Contour Line
- Slope Direction
- Open Dug Well
- Pond

Existing Structures

- Earthen GP
- WHB with Pucca Drop Structure
- Earthen WHB
- Earthen GP with Pucca Drop Structure
- CB/SB/MB/PB/FB
- SB with Field Drop Structure

Proposed Structures/Interventions

- CB/SB/MB/PB/FB
- Earthen GP/CD
- Earthen GP/CD with Pucca Drop Structure
- Earthen WHB
- WHB with Pucca Drop Structure
- Silvi-pastoral system

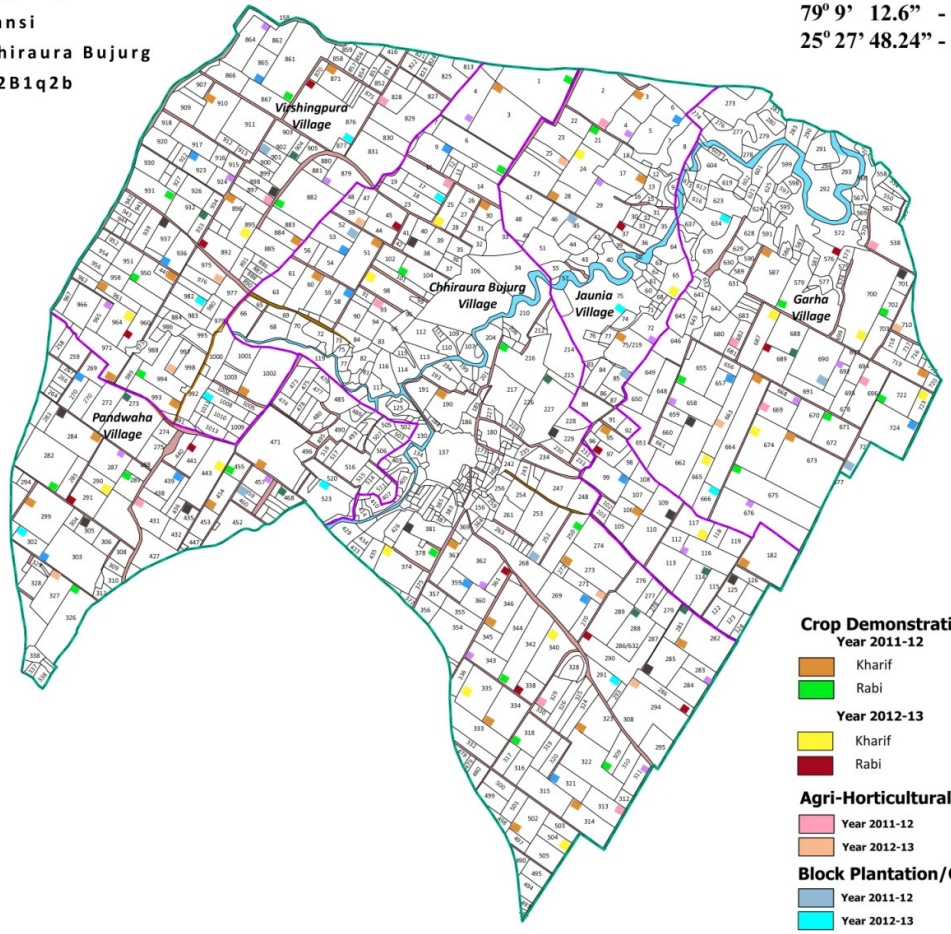

PROPOSED PLAN
Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Garha
Microwatershed Code : 2C2B1q2a
0 0.2 0.4 0.8 km
N
Patrahi Nadi
Turklahchura Village
Garha Village
Vrisinghpura Village
Legend
Microwatershed Boundary
Village Boundary
Pucca Road
Kachha Road
Drain/River
Ridge Line
Contour Line
Slope Direction
Open Dug Well
Pond
Existing Structures
Earthen GP
WHB with Pucca Drop Structure
Earthen WHB
Earthen GP with Pucca Drop Structure
CB/SB/MB/PB/FB
SB with Field Drop Structure
Proposed Structures/Interventions
CB/SB/MB/PB/FB
Earthen GP/CD
Earthen GP/CD with Pucca Drop Structure
Earthen WHB
WHB with Pucca Drop Structure
Silvi-pastoral system

PROPOSED PLAN OF PARTICIPATORY CROP DEMONSTRATION

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Chhiraura Bujurg
Microwatershed Code : 2C2B1q2b

0 0.2 0.4 0.8 km

79° 9' 12.6" - 79° 11' 27.84"
25° 27' 48.24" - 25° 29' 44.52"



Legend

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

Crop Demonstration
Year 2011-12: Kharif, Rabi
Year 2012-13: Kharif, Rabi

Seed Production
Year 2011-12: Kharif, Rabi
Year 2012-13: Kharif, Rabi

Agri-Horticultural System
Year 2011-12
Year 2012-13

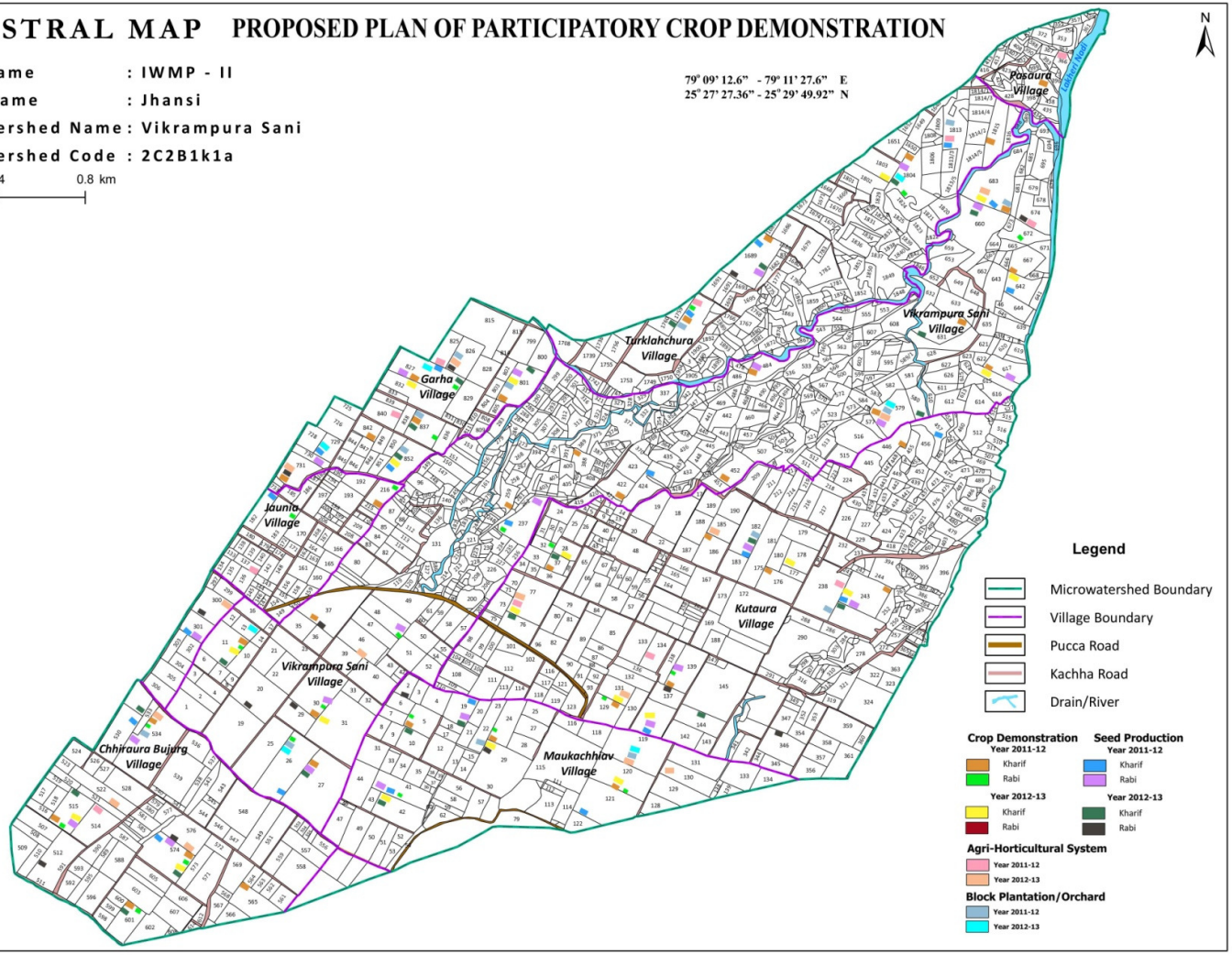
Block Plantation/Orchard
Year 2011-12
Year 2012-13

CADASTRAL MAP PROPOSED PLAN OF PARTICIPATORY CROP DEMONSTRATION

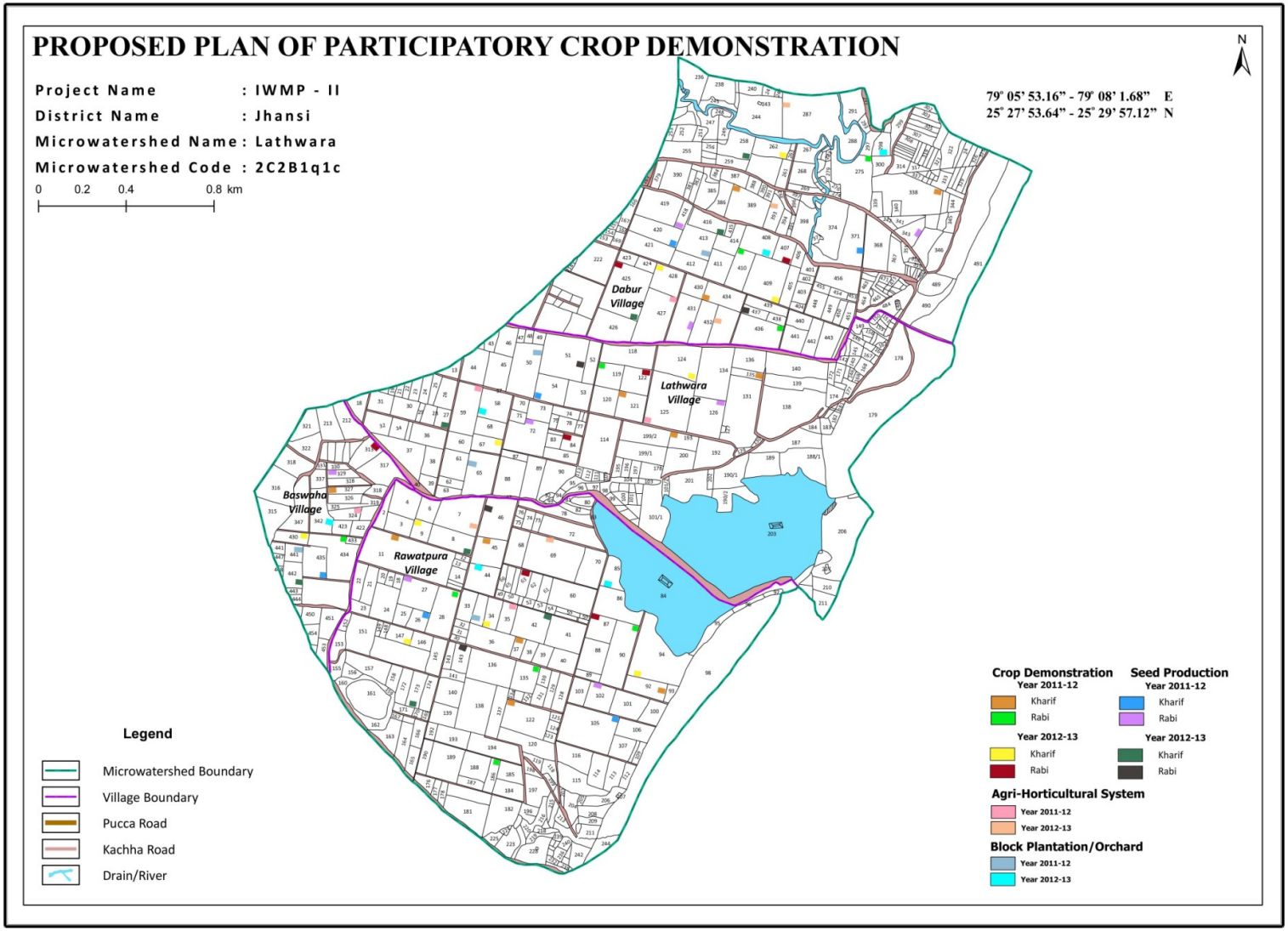
Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Vikrampura Sani
Microwatershed Code : 2C2B1k1a

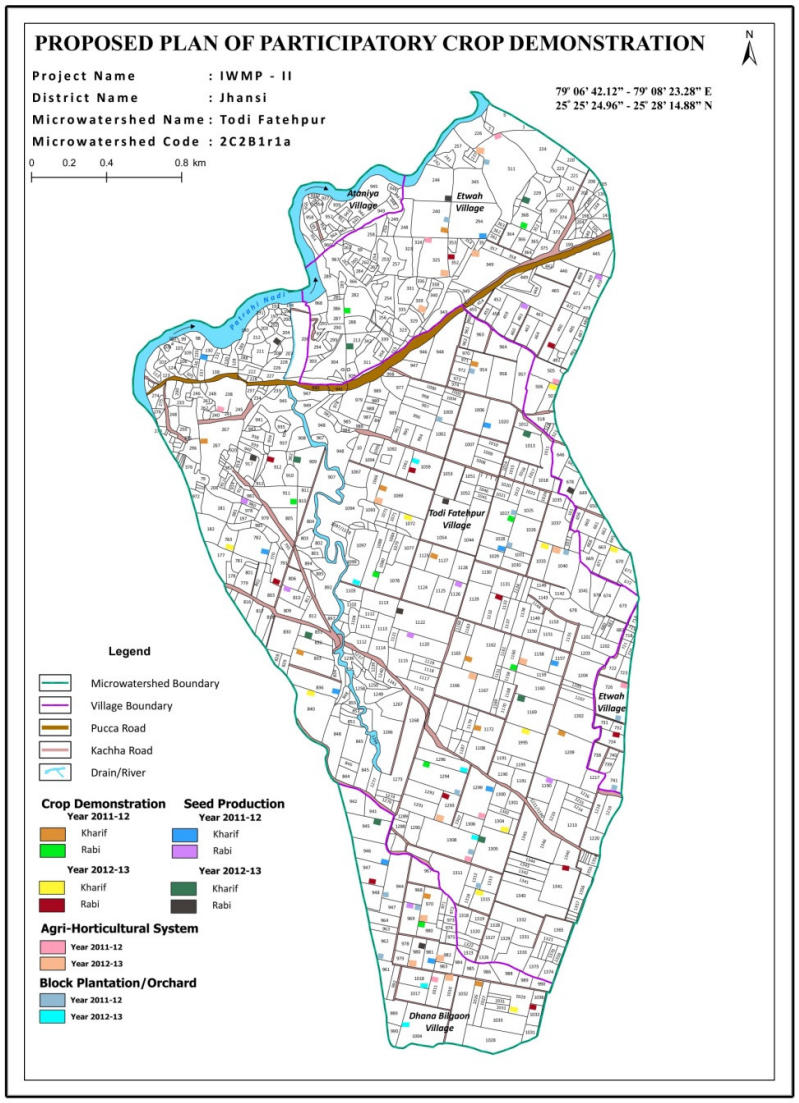
0 0.2 0.4 0.8 km

79° 09' 12.6" - 79° 11' 27.6" E
25° 27' 27.36" - 25° 29' 49.92" N

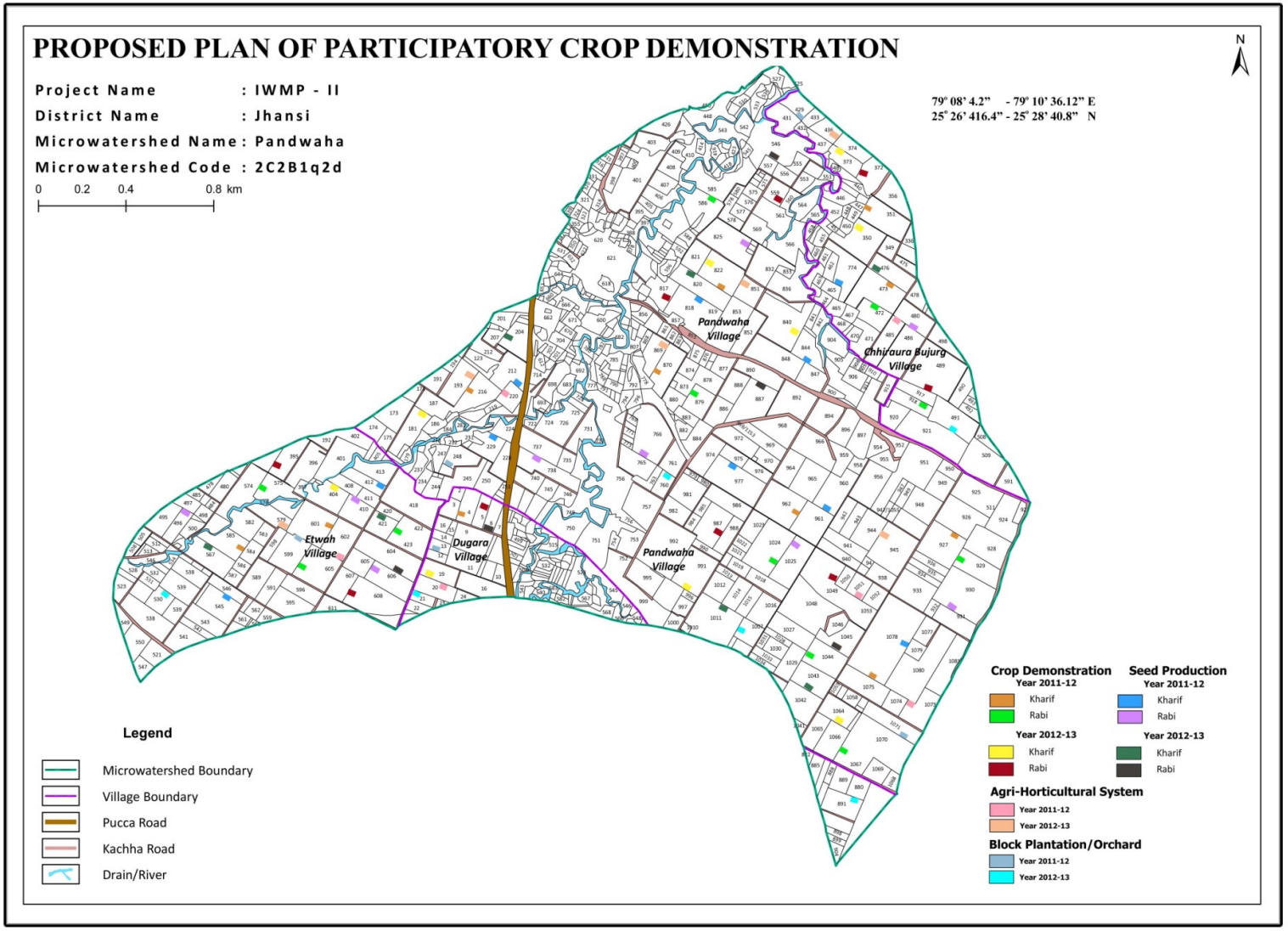


PROPOSED PLAN OF PARTICIPATORY CROP DEMONSTRATION




PROPOSED PLAN OF PARTICIPATORY CROP DEMONSTRATION
N
Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Todi Fatehpur
Microwatershed Code : 2C2B1r1a
79° 06' 42.12" - 79° 08' 23.28" E
25° 25' 24.96" - 25° 28' 14.88" N
0 0.2 0.4 0.8 km
Atoniya Village
Etwah Village
Todi Fatehpur Village
Etwah Village
Dhana Bilgaon Village
Legend
Microwatershed Boundary
Village Boundary
Pucca Road
Kachha Road
Drain/River
Crop Demonstration
Year 2011-12
Kharif
Rabi
Year 2012-13
Kharif
Rabi
Seed Production
Year 2011-12
Kharif
Rabi
Year 2012-13
Kharif
Rabi
Agri-Horticultural System
Year 2011-12
Year 2012-13
Block Plantation/Orchard
Year 2011-12
Year 2012-13

PROPOSED PLAN OF PARTICIPATORY CROP DEMONSTRATION

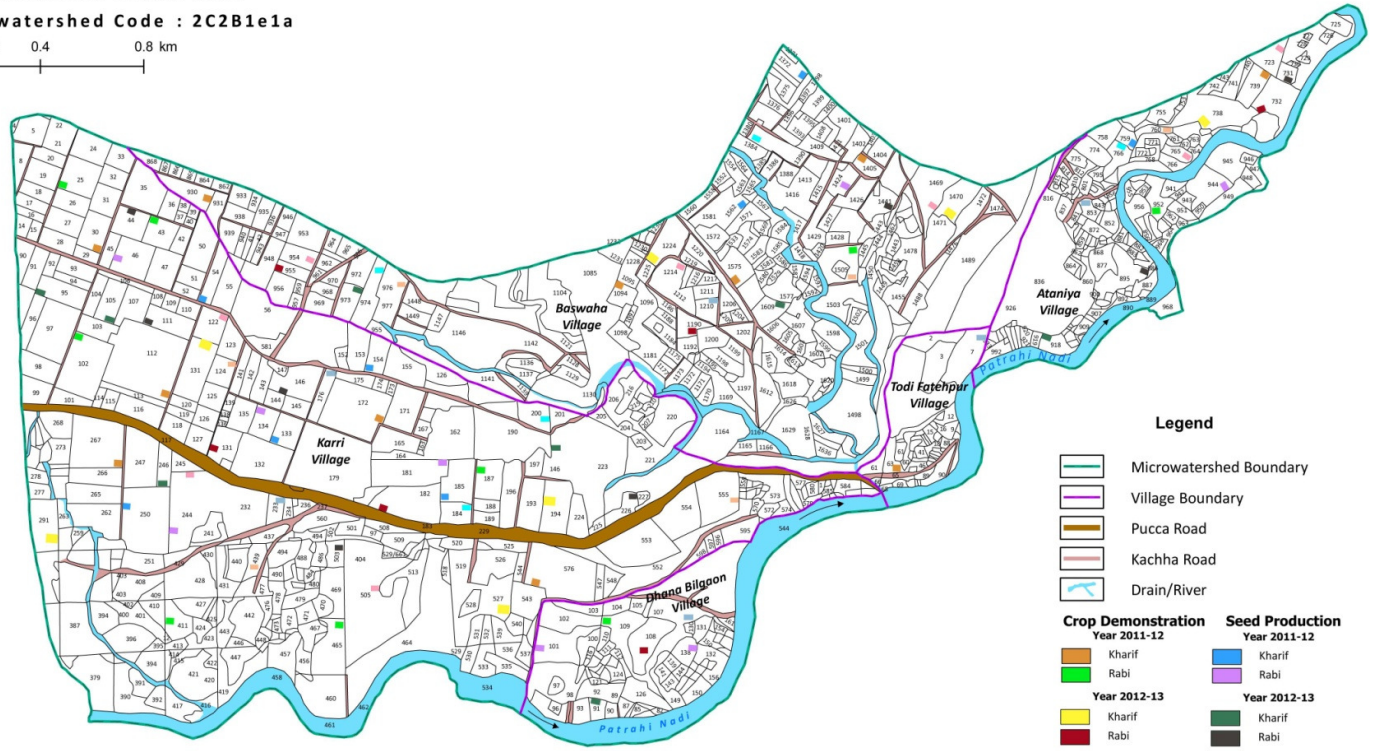


PROPOSED PLAN OF PARTICIPATORY CROP DEMONSTRATION

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Karri
Microwatershed Code : 2C2B1e1a

0 0.2 0.4 0.8 km

79° 4' 29.28" - 79° 7' 40.08" E
25° 26' 43.08" - 25° 28' 20.28" N



PROPOSED PLAN OF PARTICIPATORY CROP DEMONSTRATION

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Baswaha
Microwatershed Code : 2C2B1e1b

0 0.2 0.4 0.8 km

25° 27' 41.4" - 25° 29' 22.2" N
79° 3' 46.8" - 79° 6' 18.7" E

N



Legend

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

Crop Demonstration

Year 2011-12
- Kharif
- Rabi

Year 2012-13
- Kharif
- Rabi

Seed Production

Year 2011-12
- Kharif
- Rabi

Year 2012-13
- Kharif
- Rabi

Agri-Horticultural System
- Year 2011-12
- Year 2012-13

Block Plantation/Orchard
- Year 2011-12
- Year 2012-13

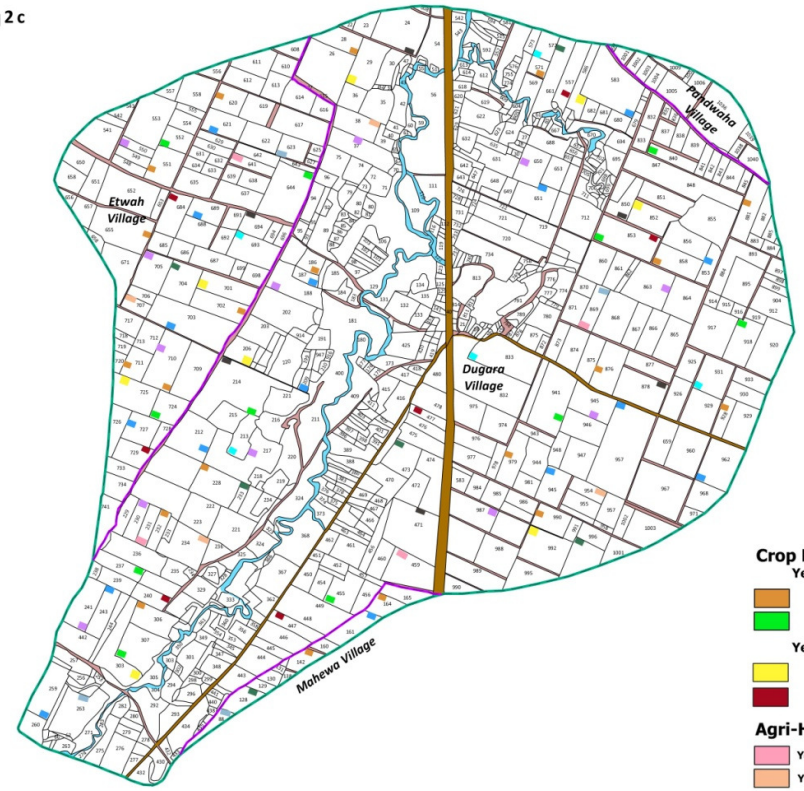
PROPOSED PLAN OF PARTICIPATORY CROP DEMONSTRATION

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Dugara
Microwatershed Code : 2C2B1q2c

0 0.2 0.4 0.8 km

79° 06' 18.7" - 79° 08' 10.68" E
25° 25' 42.96" - 25° 27' 23.4" N

N



Legend

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

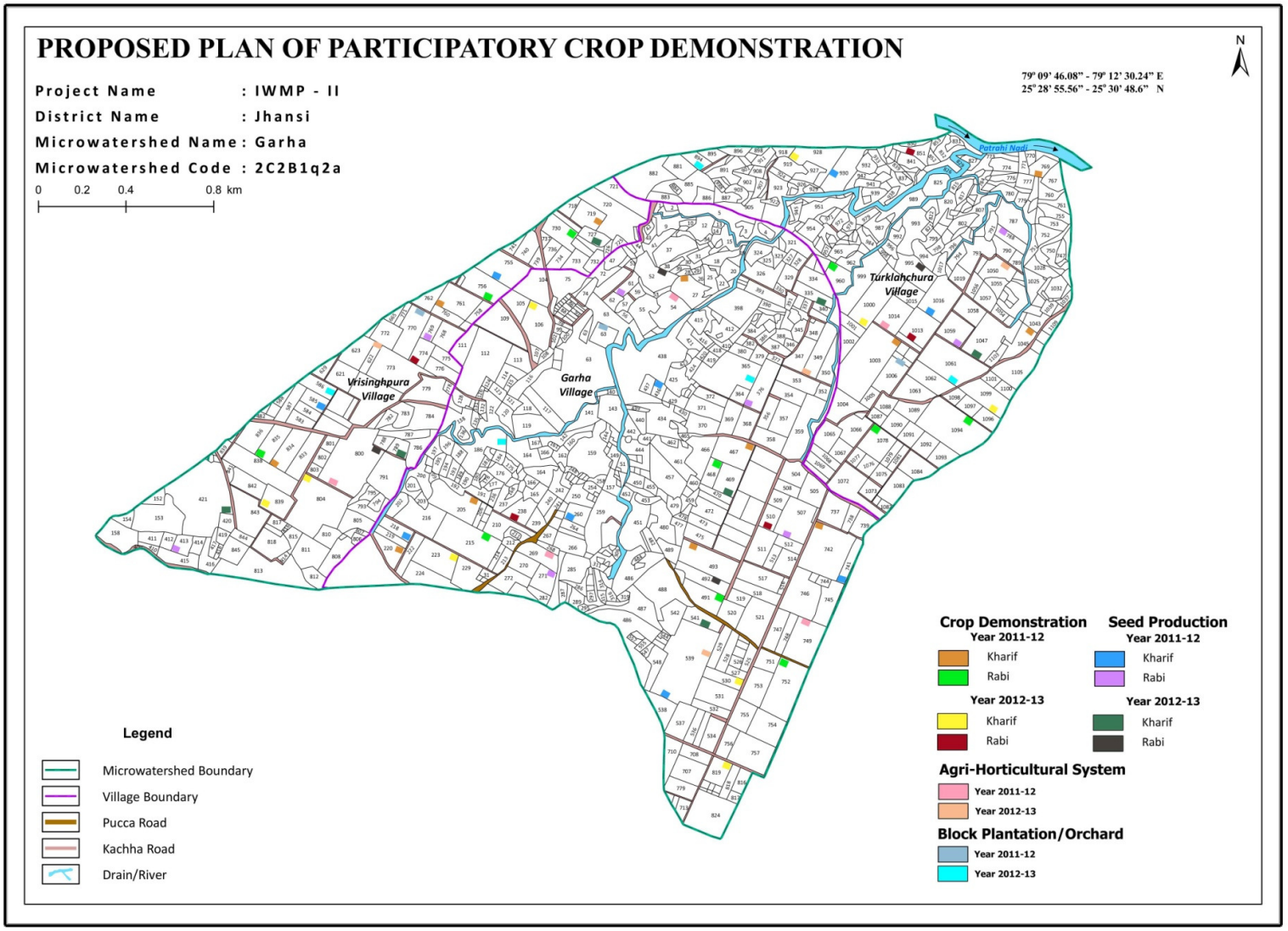
Crop Demonstration
Year 2011-12: Kharif, Rabi
Year 2012-13: Kharif, Rabi

Seed Production
Year 2011-12: Kharif, Rabi
Year 2012-13: Kharif, Rabi

Agri-Horticultural System
Year 2011-12
Year 2012-13

Block Plantation/Orchard
Year 2011-12
Year 2012-13

PROPOSED PLAN OF PARTICIPATORY CROP DEMONSTRATION



LANDUSE MAP

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Chhiraura Bujurg
Microwatershed Code : 2C2B1q2b

0 0.2 0.4 0.8 km



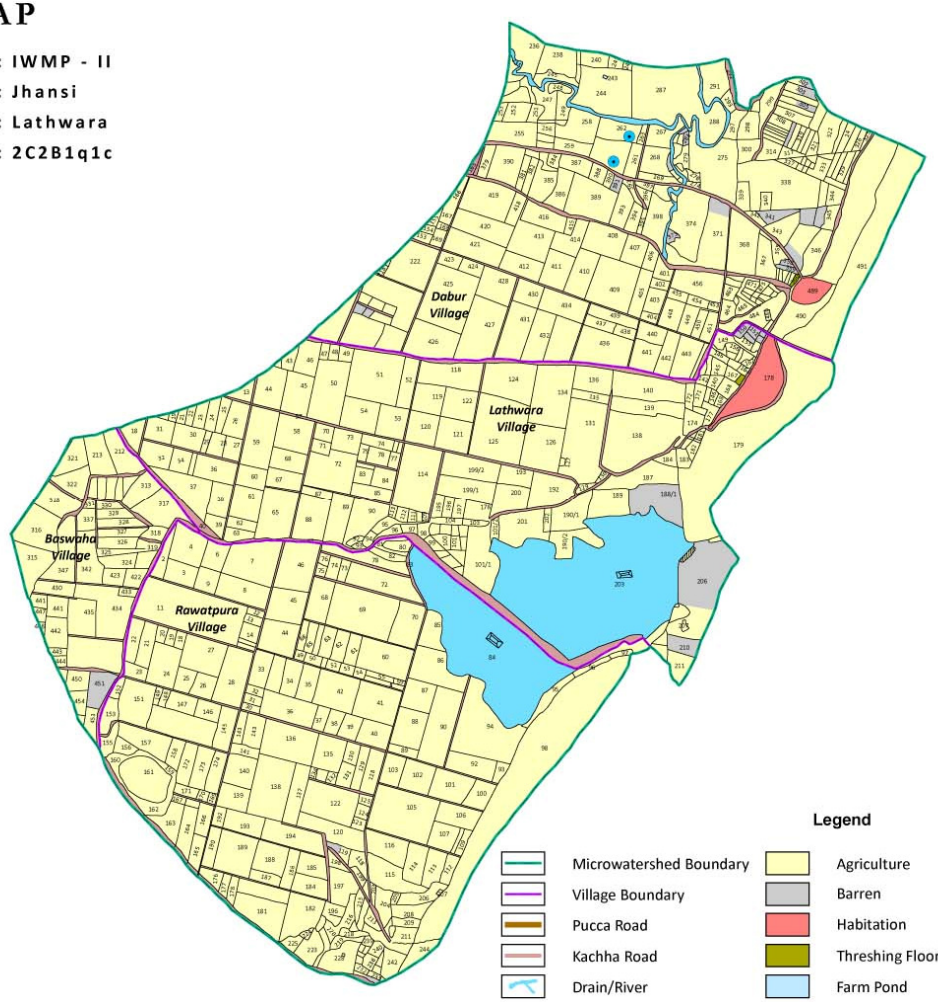
Legend

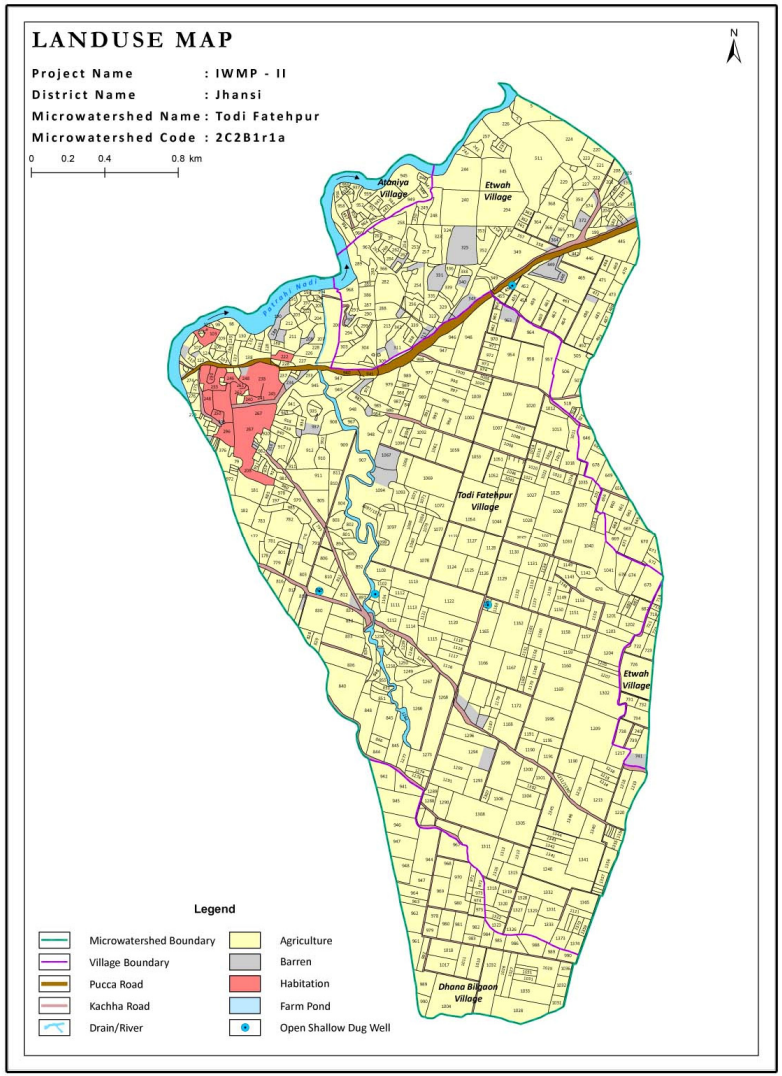
- Microwatershed Boundary
- Village Boundary
- Pucca Road
- Kachha Road
- Drain/River
- Agriculture
- Barren
- Habitation
- Threshing Floor
- Open Shallow Dug Well

LANDUSE MAP

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Lathwara
Microwatershed Code : 2C2B1q1c

0 0.2 0.4 0.8 km



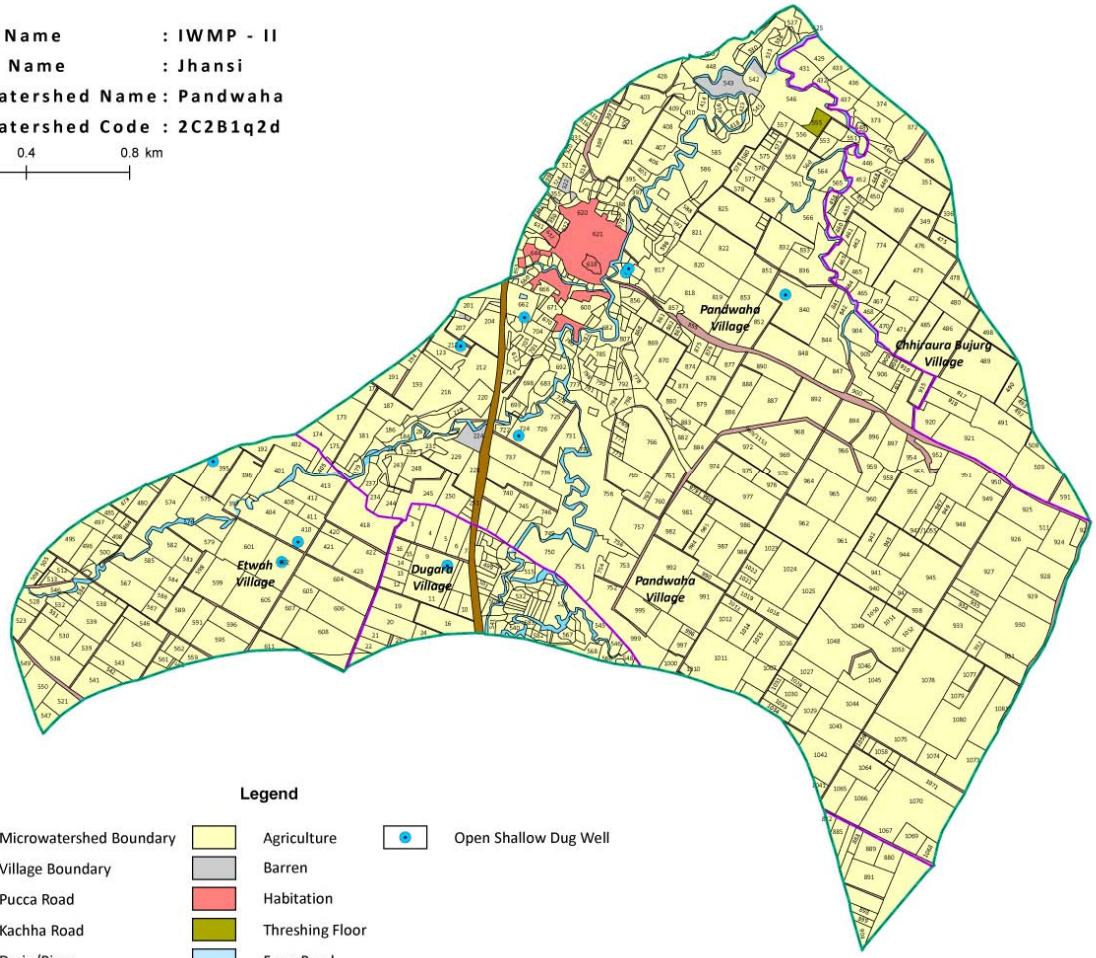

LANDUSE MAP
Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Todi Fatehpur
Microwatershed Code : 2C2B1r1a
0 0.2 0.4 0.8 km
N
Ajnaiya Village
Etwah Village
Todi Fatehpur Village
Etwah Village
Dhana Bilgaon Village
Legend
Microwatershed Boundary
Village Boundary
Pucca Road
Kachha Road
Drain/River
Agriculture
Barren
Habitation
Farm Pond
Open Shallow Dug Well

LANDUSE MAP

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Pandwaha
Microwatershed Code : 2C2B1q2d

0 0.2 0.4 0.8 km

N



Legend

- Microwatershed Boundary
- Village Boundary
- Pucca Road
- Kachha Road
- Drain/River
- Agriculture
- Barren
- Habitation
- Threshing Floor
- Farm Pond
- Open Shallow Dug Well

LANDUSE MAP

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Karri
Microwatershed Code : 2C2B1e1a

0 0.2 0.4 0.8 km



LANDUSE MAP

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Baswaha
Microwatershed Code : 2C2B1e1b

0 0.2 0.4 0.8 km



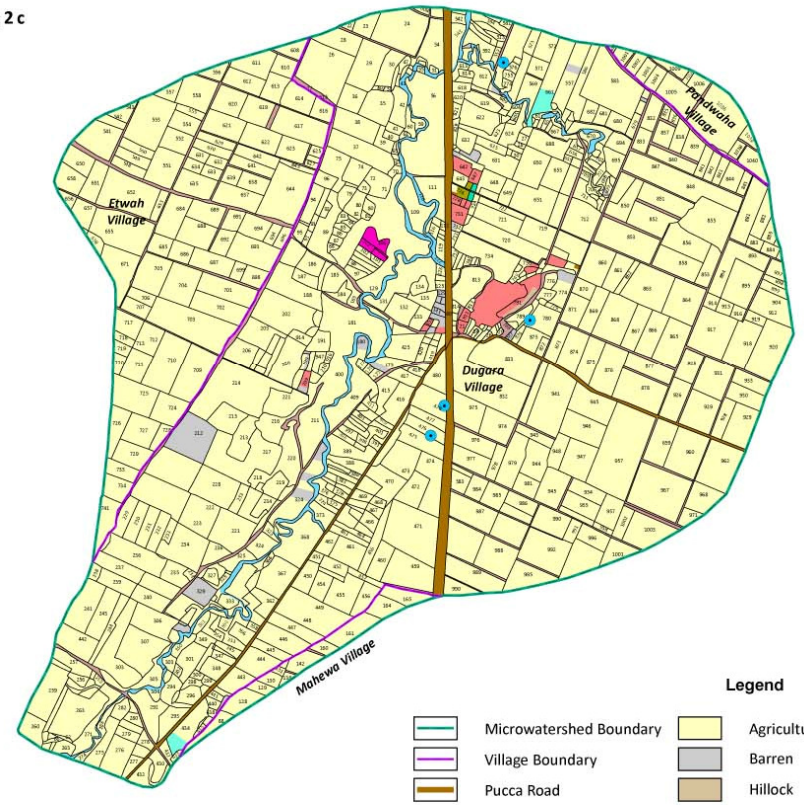
Legend

- Microwatershed Boundary
- Village Boundary
- Pucca Road
- Kachha Road
- Drain/River
- 8 - Agriculture
- 1 - Barren
- 11 - Hillock
- Open Shallow Dug Well

LANDUSE MAP

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Dugara
Microwatershed Code : 2C2B1q2c

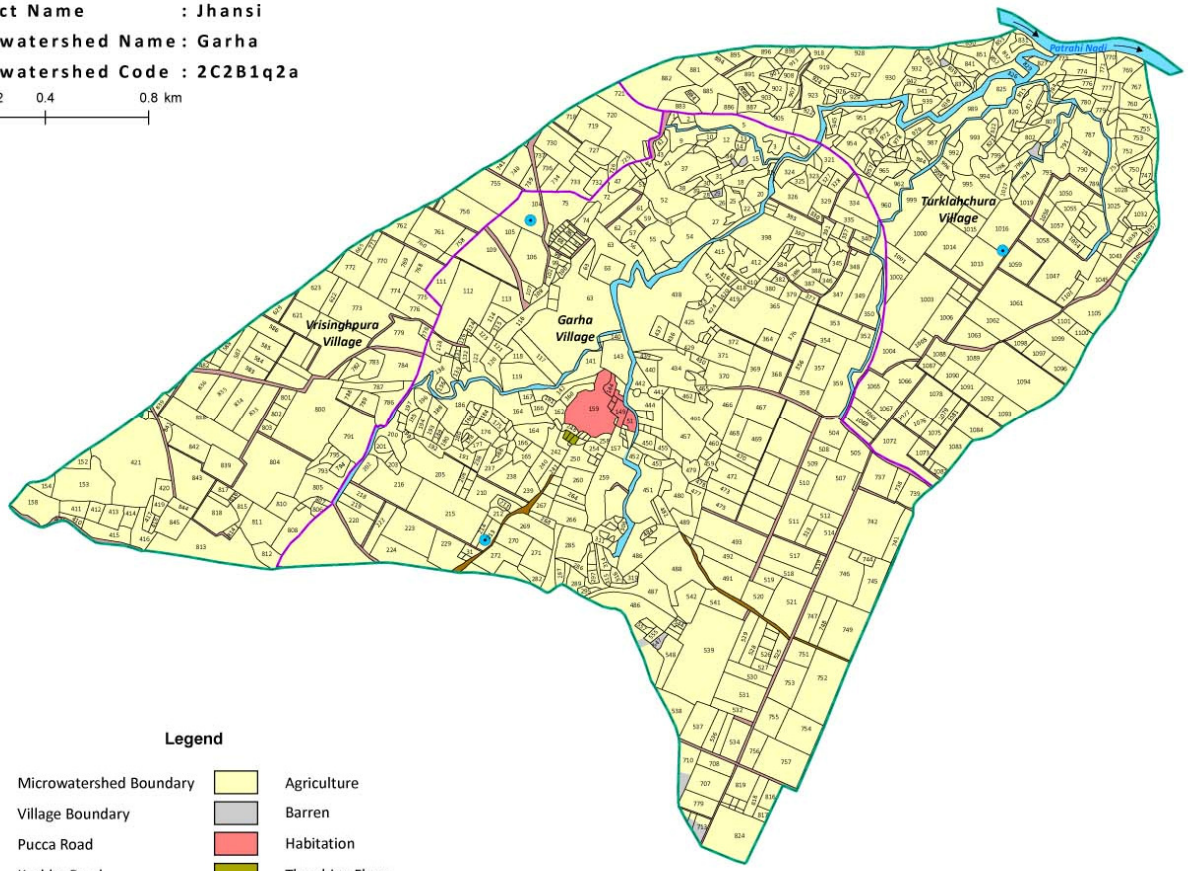
0 0.2 0.4 0.8 km



LANDUSE MAP

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Garha
Microwatershed Code : 2C2B1q2a

0 0.2 0.4 0.8 km



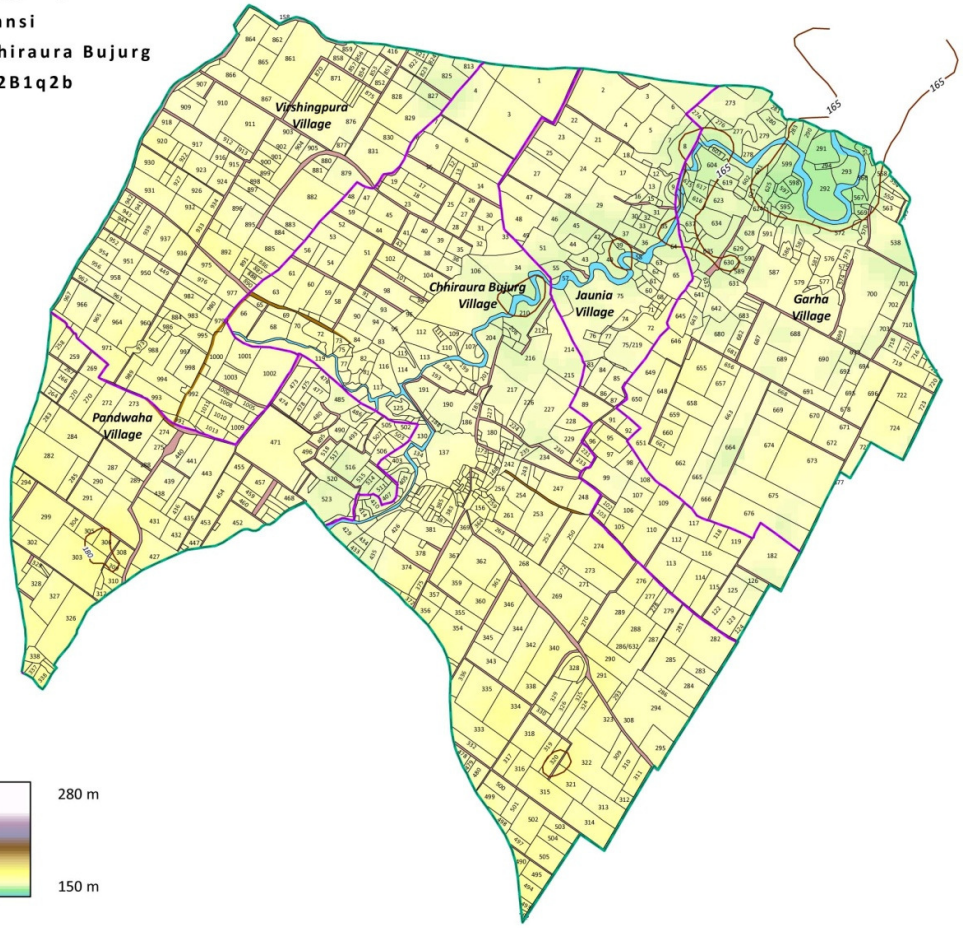
Legend

- Microwatershed Boundary
- Village Boundary
- Pucca Road
- Kachha Road
- Drain/River
- Agriculture
- Barren
- Habitation
- Threshing Floor
- Open Shallow Dug Well

DIGITAL ELEVATION MODEL

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Chhiraura Bujurg
Microwatershed Code : 2C2B1q2b

0 0.2 0.4 0.8 km



Legend

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

280 m

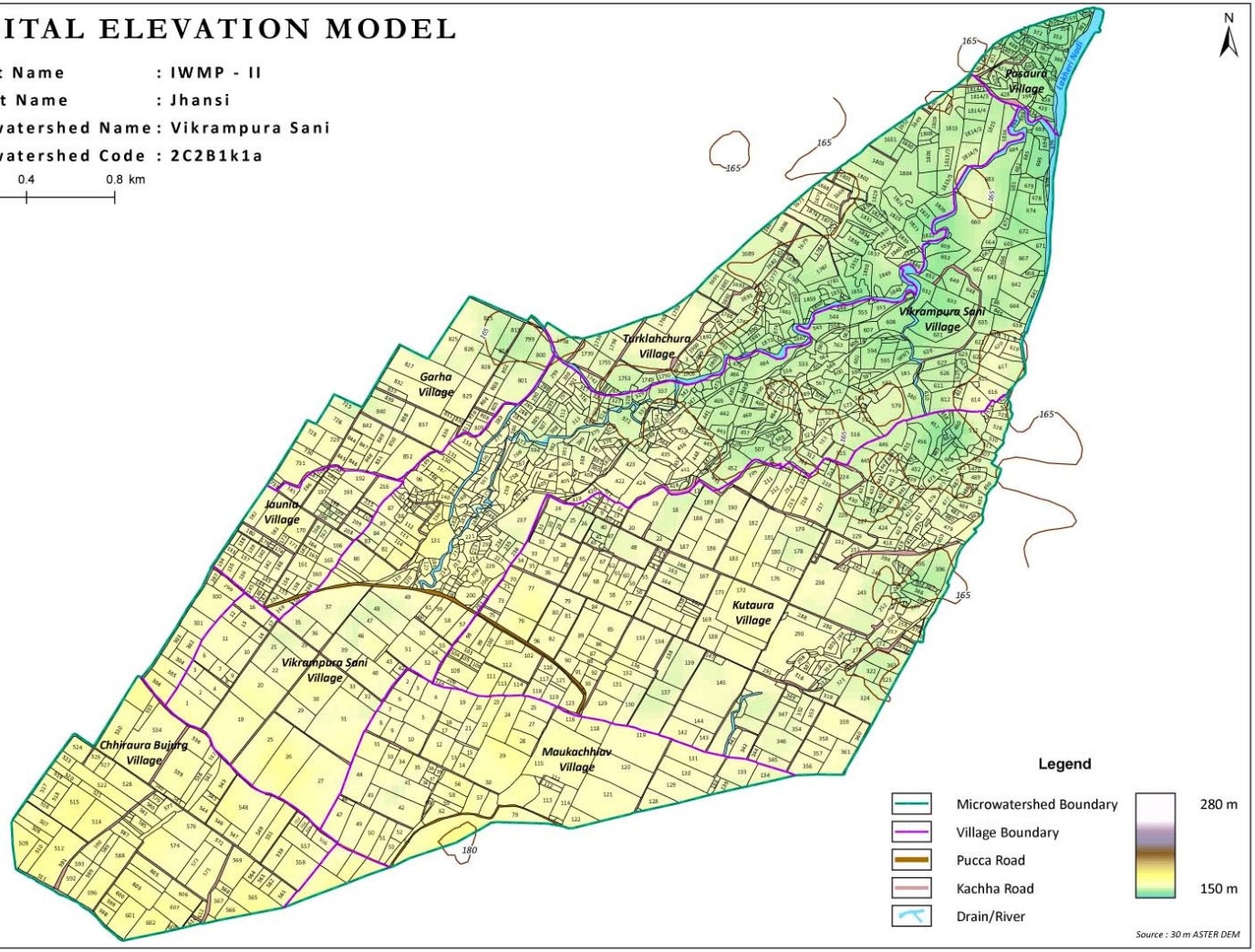
150 m

Source : 30 m ASTER DEM

DIGITAL ELEVATION MODEL

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Vikrampura Sani
Microwatershed Code : 2C2B1k1a

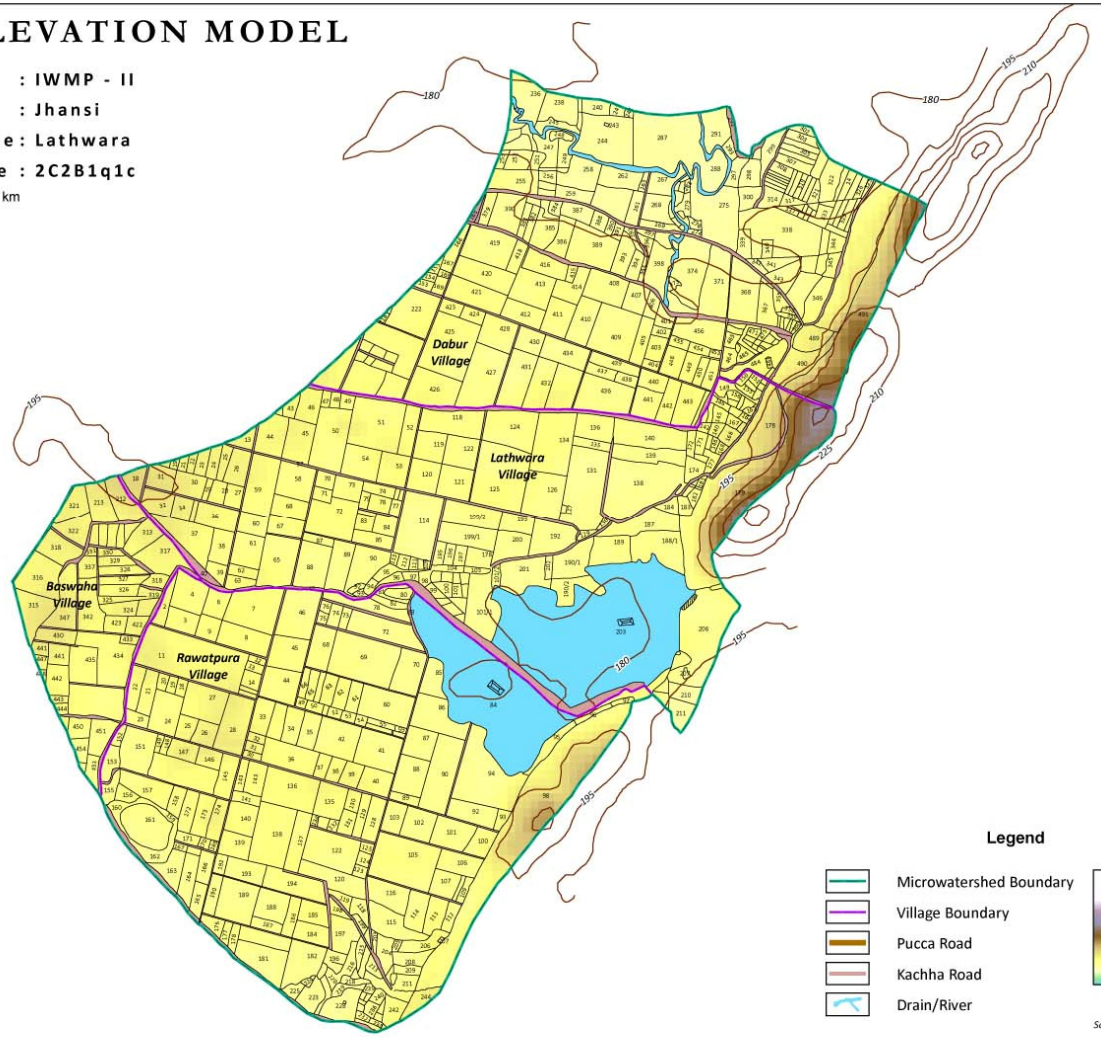
0 0.2 0.4 0.8 km

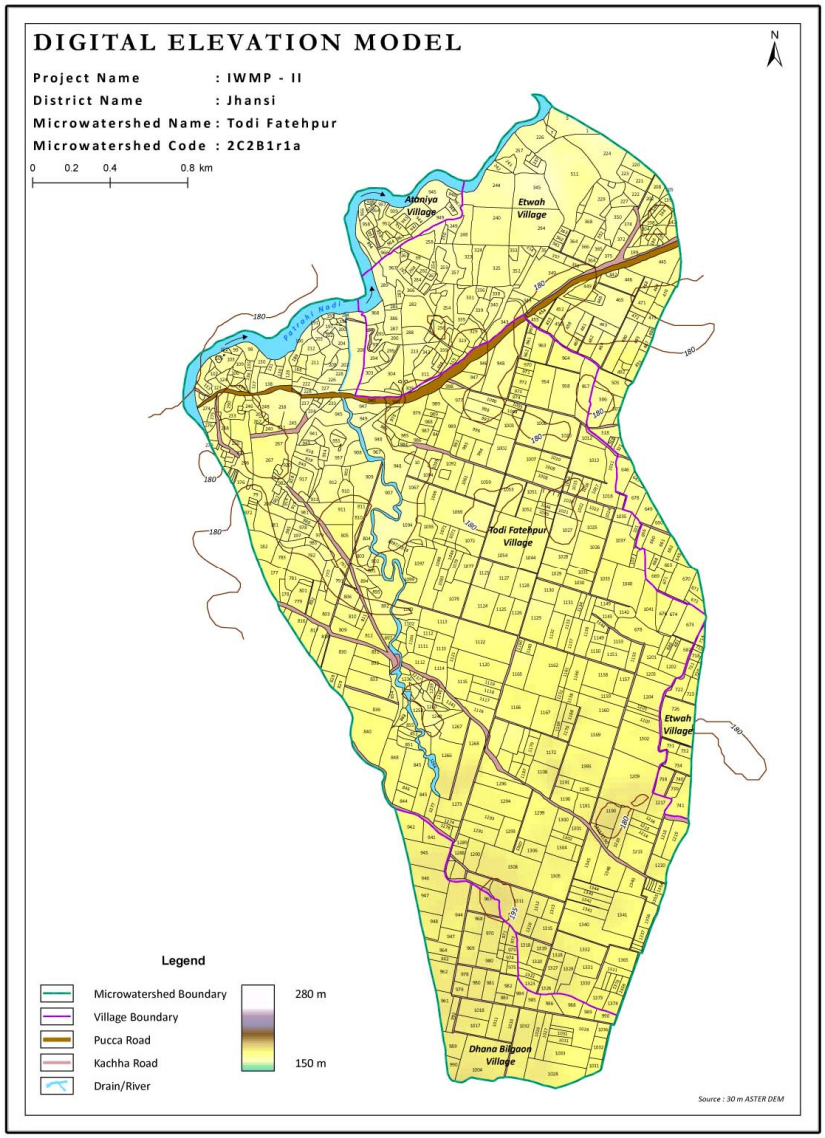


DIGITAL ELEVATION MODEL

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Lathwara
Microwatershed Code : 2C2B1q1c

0 0.2 0.4 0.8 km

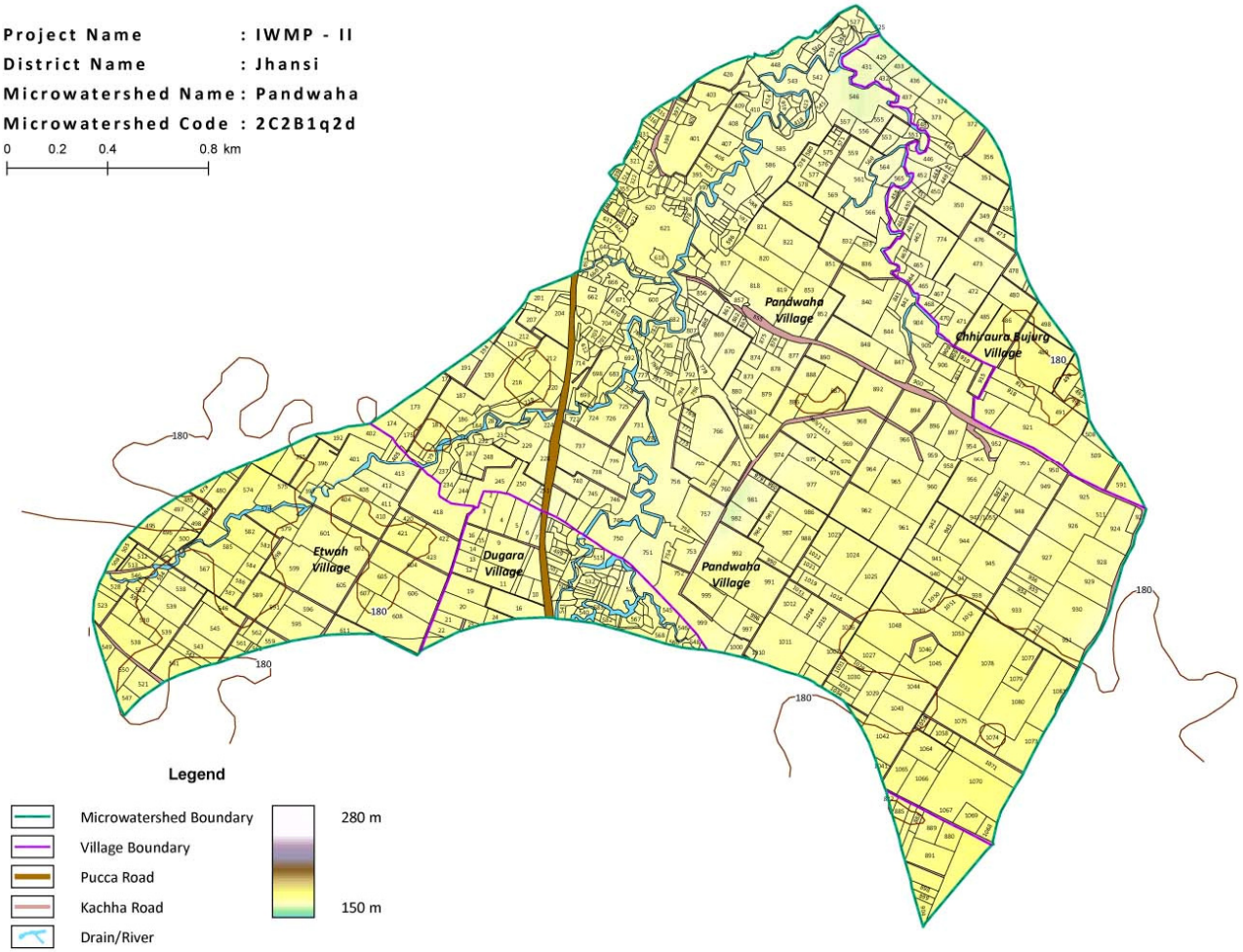



DIGITAL ELEVATION MODEL
N
Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Todi Fatehpur
Microwatershed Code : 2C2B1r1a
0 0.2 0.4 0.8 km
Atoniya Village
Etwah Village
Todi Fatehpur Village
Etwah Village
Dhana Bilgaon Village
Legend
Microwatershed Boundary
Village Boundary
Pucca Road
Kachha Road
Drain/River
280 m
150 m
Source : 30 m ASTER DEM

DIGITAL ELEVATION MODEL

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Pandwaha
Microwatershed Code : 2C2B1q2d

0 0.2 0.4 0.8 km



Legend

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

280 m

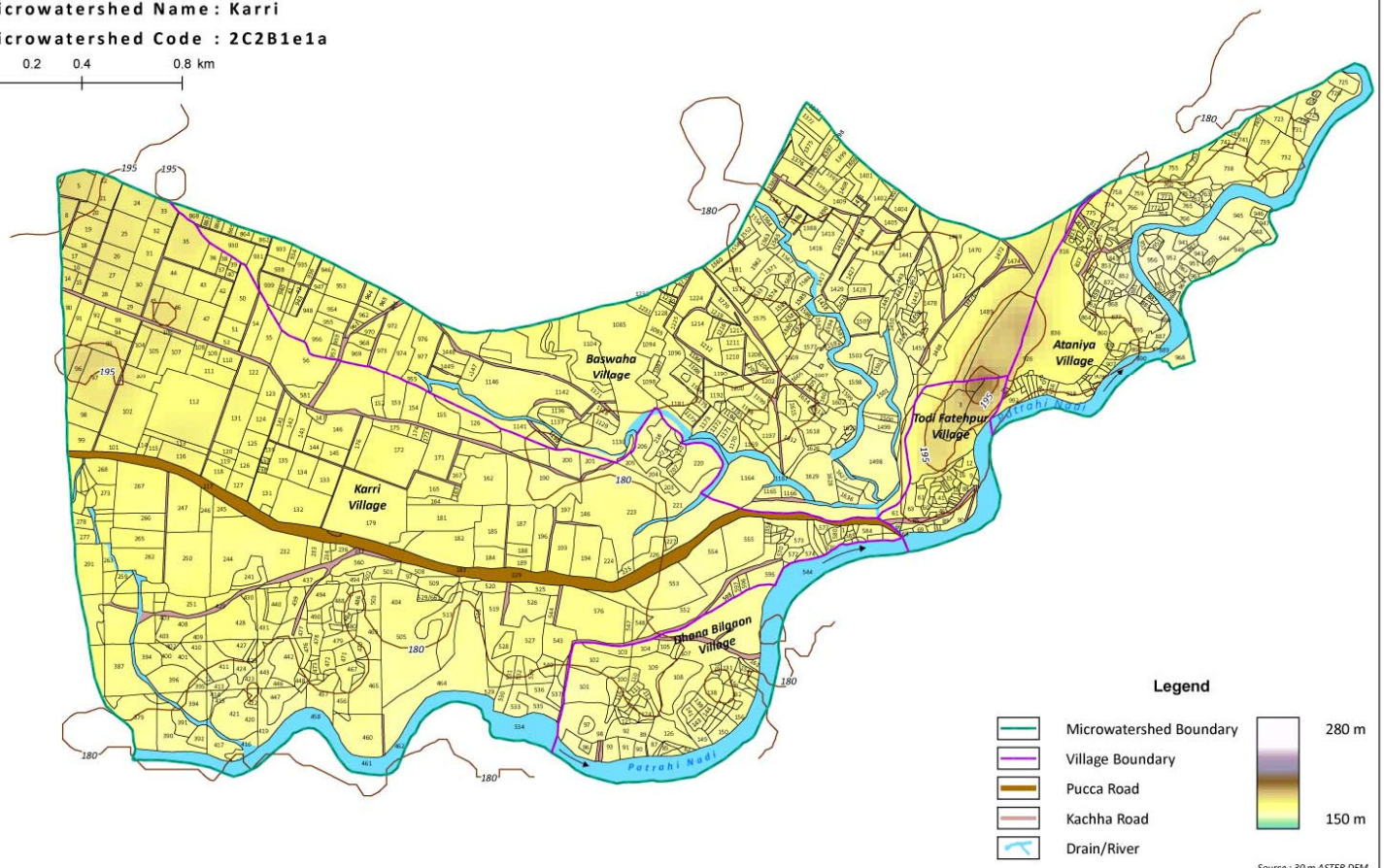
150 m

Source : 30 m ASTER DEM

DIGITAL ELEVATION MODEL

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Karri
Microwatershed Code : 2C2B1e1a

0 0.2 0.4 0.8 km



DIGITAL ELEVATION MODEL

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Baswaha
Microwatershed Code : 2C2B1e1b

0 0.2 0.4 0.8 km



Legend

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

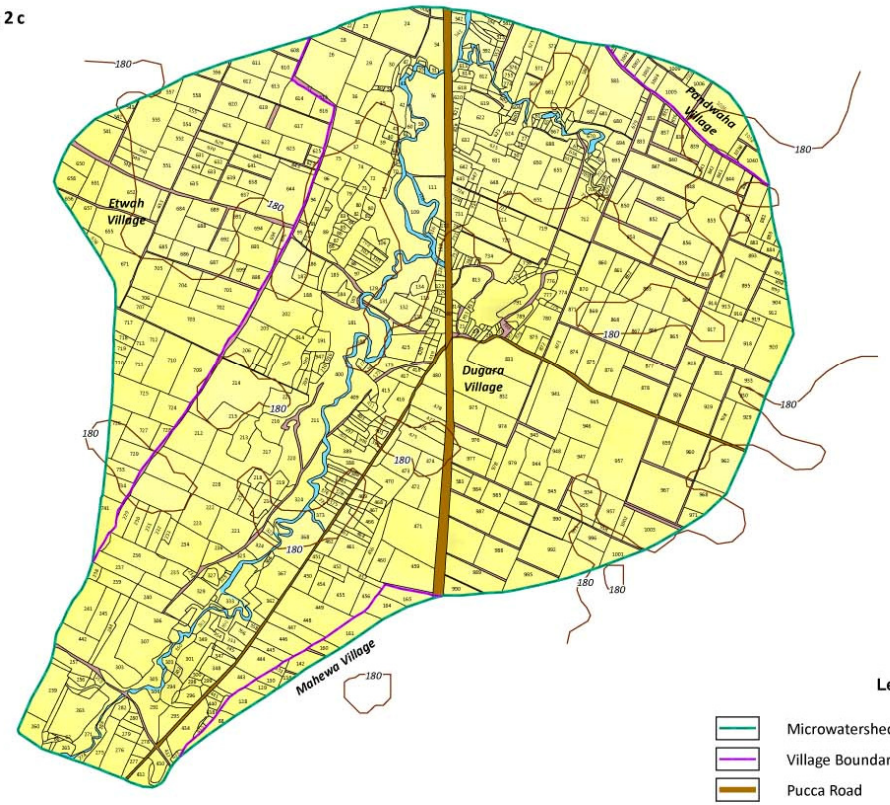
280 m
150 m

Source : 30 m ASTER DEM

DIGITAL ELEVATION MODEL

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Dugara
Microwatershed Code : 2C2B1q2c

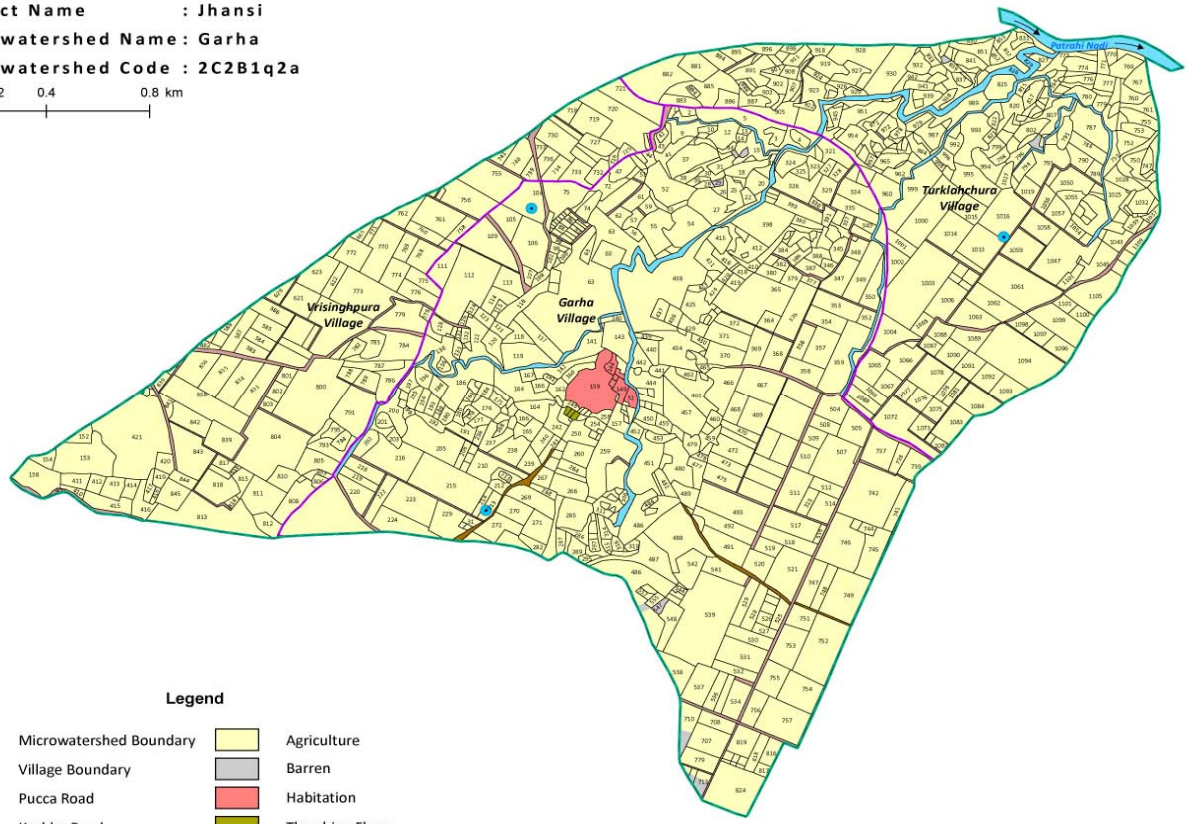
0 0.2 0.4 0.8 km



LANDUSE MAP

Project Name : IWMP - II
District Name : Jhansi
Microwatershed Name : Garha
Microwatershed Code : 2C2B1q2a

0 0.2 0.4 0.8 km



Legend

Microwatershed Boundary	Agriculture
Village Boundary	Barren
Pucca Road	Habitation
Kachha Road	Threshing Floor
Drain/River	Open Shallow Dug Well