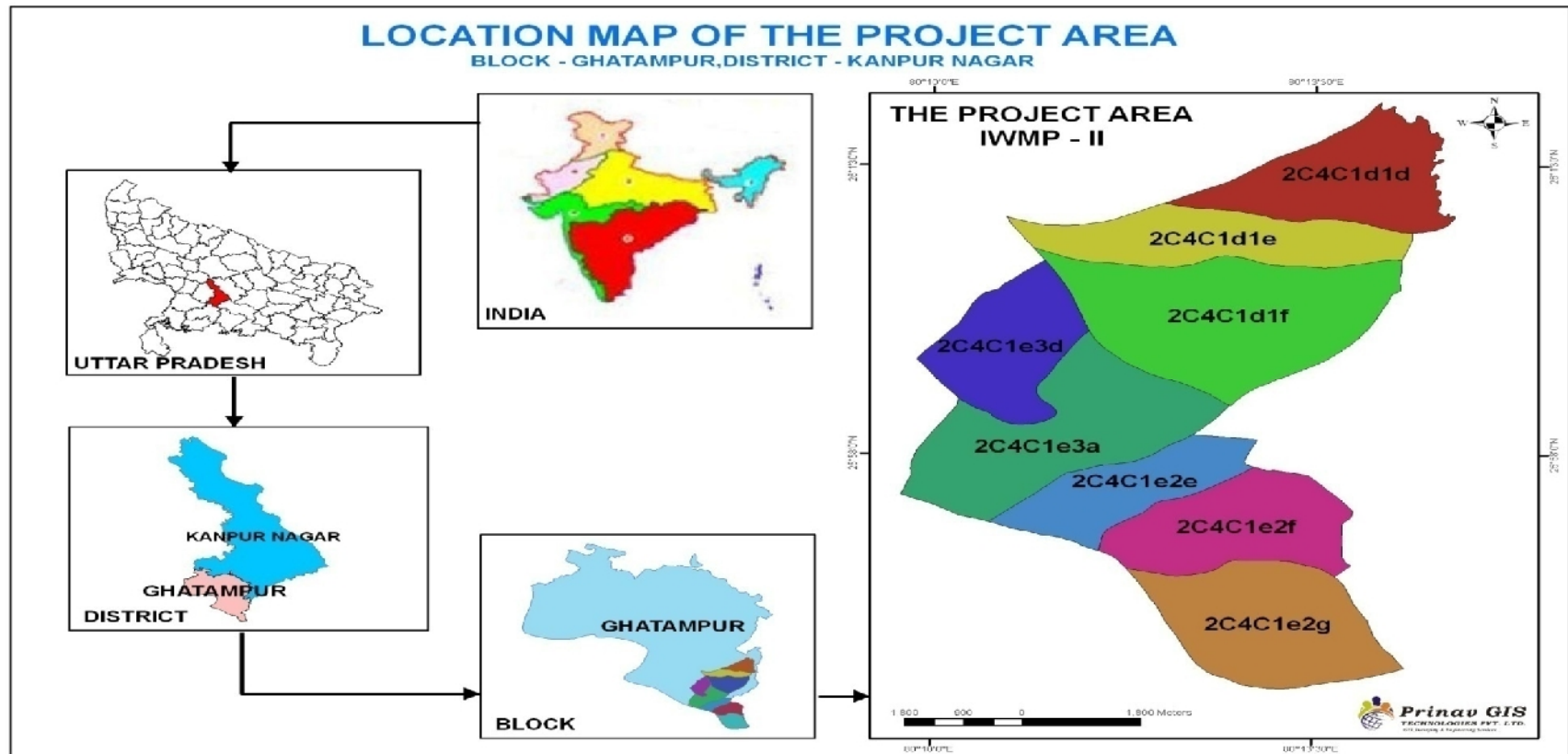


# DETAILED PROJECT REPORT (D.P.R.)

(I.W.M.P. II<sup>nd</sup> – KANPUR NAGAR)

INTEGRATED WATERSHED MANAGEMENT PROGRAMME, BLOCK- GHATAMPUR  
DISTRICT – KANPUR NAGAR (UTTAR PRADESH)



Submitted to: -

Department of Land Development &  
Water Resources, Lucknow (U.P.)



Prepared By:-

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

## **CERTIFICATE**

This is to be certified that the proposed Project (IWMP-IIInd) comprising 8 micro-watersheds of district Kanpur nagar, 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-IIInd, 2010-11** is Submitted for its approval And Implementation.

**Bsa LDWR**  
Kanpur nagar

**Deputy Director**  
**Division** Kanpur nagar

**Chief Development Officer**  
**Dis.** Kanpur nagar

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**PROJECT AT A GLANCE**  
**Summary of Activities Proposed (Financial)**

Project- IWMP- II PIA- LDWR, Kanpur nagar

(Financial in lac Rs.)

S. No	Activity	Need based requirement (Financial)	Funds available from IWMP	Need of Convergence/ Proposal	Scheme from which convergence proposal	Convergence finalized			Remark
						Scheme	Fund Available	Level at which Decision taken	
1	Administration	46.416	46.416	-	-	-	-	-	-
2	Monitoring	4.6416	4.6416	-	-	-	-	-	-
3	Evaluation	4.6416	4.6416	-	-	-	-	-	-
4	Entry point activities	18.5664	18.5664	-	-	-	-	-	-
5	Institutional & Capacity Building	23.203	23.203	-	-	-	-	-	-
6	DPR Preparation	4.6416	4.6416	-	-	-	-	-	-
7	Watershed Development Works	399.435	259.93	139.505	MNREGA	MNREGA	139.505	DRDA	
8	Production system	46.416	46.416	-	-	-	-	-	-
9	Livelihood activities through SHG's	41.7744	41.7744	-	-	-	-	-	-
10	Consolidation & withdrawal Phase	13.9248	13.9248	-	-	-	-	-	-
	Convergence	139.505	--						
	Fund available from scheme	464.160	--						
	<b>Total Project Cost</b>	<b>603.665</b>	--						

Project	:IWMP-IIInd
Total Geographical Area of Project ( Hectares)	:5833.00
Treatable Area	:3868.00
Wasteland (Lakh Hectares)	:1145.00
Rainfed Agricultural Land ( Hectares)	:3388.00
Total Cropped Area (Hectares)	:5704.00
Net Sown Area ( Hectares)	:3786.00
Total no. of Water Storage Structures	:35
Total no. of Water Extracting Units	: 26
Total storage capacity of water storage structures (cubic meters)	:157500
No. of Household	:3912
SC/ST House hold	:746
Total Population in the project Area	:27416
No. of Household of Landless people	:78
Total no. of BPL Household	:1949
No. of Small Farmer's Household	:1075
No. of Marginal Farmer's Household	:2356
Depth of Ground Water (meters) below Ground Level	
Pre-monsoon	: 18m to 20m
Post-monsoon	: 15m to 18m
No. of person- Migrating	:716
days of Seasonal Migration	:90 to 180

## **Executive Summary**

**I. Brief about area: -** The watershed Project is located in Ghatampur Block, Distt. Kanpur nagar of U.P. state. This watershed has been identified by the state Department under I.W.M.P. scheme for integrated development of watershed management is located in South East of Distt. Kanpur nagar . it is lies between 80°14'40 to 80°11'29" east longitude 26°55'8" to 26°1'4" N north latitude the total Geographical area of watershed is 5833 ha along with the Non River Watershed.

The soil of Project Area is mainly Sandy loam , and somewhere is clayee. Agriculture is the main occupation of the project area the main crops area Wheat , Mustard , Gram , Paddy , Maize, Lentle , Bajara & Millet .

Natural vegetation is very poor but Mango, Neem, Imlee, Shisham, Babool tree are found in the watershed. There is no irrigation facility in watershed area. Some where personal Boring pumps has been established by farmers, there is no grass land in watershed. Grass patches are seen only on the Bunds Road sides and other such places The main grass is Dube , Munj and Kass.

Total area of the watershed is 5833 ha. Elevation ranges is 124 m. above mean sea level. 17 villages namely 1. Maduri 2. Baripal 3. Padri Gangadeen 4. Kandhouli 5. Maidhari 6. Dharchuwa 7. Sirsa 8. Bandh 9. Bagriya 10. Kasimpur Lahurimau 11. Aswarmau 12. Samuhi 13. Sidhoul 14. Biriya 15. Gauri Ghatampur 16. Dhirpur 17. Rampur are located in the watershed.

### **IV. Treatment Area & Details:-**

1. Total Rainfed area 3388ha .
2. Proposed area for treatment 3868 ha.
3. Wasteland
  - a. Cultivable 480 ha.
  - b. Uncultivable 665 ha.

### **V. Factsheet about benchmark indicators:- Criteria for selection of watershed**

1. Poverty index (% of poor to population)
2. % of SC/ ST population
3. Actual wages
4. % of small and marginal farmers
5. Ground water status
6. Moisture index/
7. DPAP/ IWDP Block
8. Area under rain-fed agriculture

9. Drinking water
10. Degraded land
11. Productivity potential of the land
12. Contiguity to another watershed that has already been developed/ treated
13. Cluster approach in the plains (more than one contiguous micro-watershed in the project)
14. Cluster approach (more than one contiguous micro-watershed in the project)

**A -Preparatory Phasse:** Three Activities have been taken in this programme i.e. maintenance of existing KHaranja, Renovation of drain and Renovation of Ponds .During PRA EXERCISE it is observed that there is no drainage channel for the safe disposal of waste water & rain water in some villages & some drainage channel has been abolished so Renovaton of drainage channel has been taken in the entry point activities . Some village pond has been silted and it requires desiltation has been also taken in the e.p.a. programme.Total financial outlay of EPA is Rs 18.5664 lacs .

**B:- Institutional and capacity Building:**Capacity building and training are the most important component of watershed management programme both for the field level staff/officer and functionary of people institution i.e. watershed community. Apart from enhancing technical skill of the project staff this route also provide opportunity to community members to develop their capacity as the future custodians of the projects withdrawal. Training Programme of Users group, Self Help group , Watershed committee, WDT & PIA level for their awareness & capacity building and Exposer visit & short courses also has been proposed for capacity building with financial outlay of R23.203lacs.

### **C:- Watershed Works**

**(a) Soil & Moisture conservation** --For soil and moisture conservation, water resource development, horticulture, besides agro forestry vegetation / plantation work, engineering structure have also been proposed under the project. Engineering structure are important components of soil and water Conservation that can play a vital role in erosion control on arable land. Engineering measure usually involves in creating mechanical barriers across the direction of flow of water and thus retards or retains runoff on the following principles:

- Increase the time of concentration.
- Break a long slope into short ones.
- Protection of drainage channel against damage.
- Prevent excessive soil and water losses

**Ridge Area Treatment Plans:---**It is very important to treat the ridge as this is where the major water resources originate. For the ridge areatreatment of IWMP - ii watershed following structure have been Proposed after interaction between the watershed committee, and other village community.



**I-Contour Bunding** ----Contour bunding is an effective measure in erosion control and moisture conservation in dry areas having less than 2 % slop to reduce the length of slope. Contour bund constructed against the slope .Total treatable area is 860 hect. With financial outlay of Rs. 69.674 lacs

**II- Graded Bund (Marginal and Peripheral Bund):**--- Marginal bunds are the engineering structure to reduce the volume and speed of runoff. Those locations where change in slope and soil texture founded there is peripheral bund will be constructed along with nala bank. Total proposed treatable area is 1280 ha with financial outlay of Rs. 107.501 lac.

**III-Sub margent bund**—Total treatable area is proposed 870 ha with financial outlay of Rs. 70.551 lac.

**(I) Check Dam:**---Earthen check dam with Pucca structure have been proposed constructed in gullies / ravines carrying relatively high run off and sediment load. Construction of 200 erthen check dam with structure has been proposed with total estimated cost of Rs 60.517 lacs

**E:- Horticulture:**---Plantation of Fruit Tree like Mango, Guava, Lemon, and Amla in Watershed according to land use has been proposed 74.265 ha with total estimated cost of Rs. 13.92 lakh.

**F:- Afforestation:**---About 29.01 ha lands will be taken from the waste land falling in the class-VII category in the watershed. These lands will be planted with subabool, Shisam, sagaun etc,to meet out the shortage of fuel wood ,timberwood & fodder in the watershed and better environment with total estimated cost of Rs. 4.642 lacs.

**G:- Livelihood Programme Community base:**-- Income generating activities through SHG for landless & Marginal farmers has been given in the watershed development programme with financial outlay of Rs 41.7744 lacs.

**H:- Production System & micro Enterprises:-**

**PROPOSED EXTENSION STRATEGIES**---Improvement of productivity and income of farmers in the existing enterprises and farming system budgetoutlayhas been proposed of rs 46.416 lacs.'

The following feasible extension strategies have been proposed based on the analysis of data collected through PRA & related issues/problems in IWMPInd Ghatampur distt. Kanpur nagar

**Strategies:**'

- A. Improvement of productivity and income of farmers in the existing enterprises and farming system.
- B. Diversification and intensification of existing farming system.
- C. Sustainability in productivity/income.
- D. Integrated nutrient management.
- E. Integrated pest management.
- F. Seed multiplication and replacement.
- G. *Horticulture planting material.*
- H. *Success story.*
- I. *Natural resources management.*
- J. *Issue for Policy consideration.*
- K. *Farm mechanization.*

- L. Marketing & Media strategies.
- M. Human Resource Development.
- N. Farmers Organization.
- O. Agriculture Productin.

**A. Improvement of Productivity and income of farmers in the existing enterprises and farming system**

<b>Crop</b>	<b>Critical Gap</b>	<b>Strategic issue</b>	<b>Strategies</b>
1. Wheat 2. Paddy	Yield stagnation	Use of recommended seed rate, Weed management, Popularizing Seed production programme, Popularizing Organic farming	Demonstration, Exposure visits, Training
	Use of untreated seeds	Encouraging sowing with treated seeds	Demonstration, Exposure visits, Training
	Un judicious use of Irrigation water	Irrigation management	Demonstration, Exposure visits, Training
	Imbalance use of Fertilizer	To promote INM	Demonstration, Soil testing, Exposure visits, - Training
	Un Availability of Quality Seed	Increase seed replacement ratio Promote seed production Programme	Demonstration, Exposure visits, Training
	1. Improper nursery raising	Raised seed beds	Demonstration, Exposure visits, Training
	2. Inadequate Pest and disease management	Popularization of Integrated pest and disease management	- Demonstration - Exposure visits - Training
	3. Weed management	Popularization of chemical Pesticide	Demonstration, Exposure visits, Training
3..Maize	1. Non adoption of seed treatment	Application of seed treatment	Demonstration, Exposure visits, Training

	2. Excess application of fertilizers	Use of recommended dose of fertilizer	Demonstration, Exposure visits, Training
	3. Use of Micro nutrients	Use of recommended quantity of micro nutrients	Demonstration, Exposure visits, Training
	4. Non adoption of hand pollination practices	Following hand pollination	Demonstration, Exposure visits, Training
4. Mustard	1. Higher plant population	Popularization of plant population technique per	Demonstration, Exposure visits, Training

**B:-**

	2. Low production	Suitable agronomical practices will be popularized	Demonstration, Exposure visits, Training
	3. Imbalance use of fertilizer	Use of balanced fertilizer promote, sulphur	Demonstration, Exposure visits, Training
	4. Pest & disease management	Adoption of proper pest and disease management practice	Demonstration, Exposure visits, Training
	5. Post harvest technology	Popularization of improved storage method	Demonstration, Exposure visits, Training

To achieve better crop production in the watershed by scientific method Demonstration of Wheat, Paddy, Maize , tilahan and Bajara has been given in the watershed.

# CHAPTER - 1

## Introduction & Background

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

**Table no-1 .1: Status of watershed programme**

Details	No.	Area (ha.)
Total Micro watersheds in the district	372	3,15,500.00
Workable Micro Watersheds	280	237572.00
Micro Watersheds already treated by LDWR & other Agencies Uttar Pradesh	184	1,64,234.00
Micro Watersheds (MWS) available for treatment At the time of start of IWMP in the(district)	96	1,55,860.00

**Table 1. 2 : Approved plan (PPRs) by Steering Committee (SC)/Govt. of India**

Year	Project	MWS	Area (Treatable) (ha)	Project Cost (Rs. Lakh)	Name of PIA	Date of Sanction by S.C. Got. Of India
2010-11	IWMP-IIInd	8	3868	464.160	BSA LDWR Ghatampur Kanpur Nagar	25.3.2010

**Table 1.3: Status of previous DPRs**

**District- Kanpur Nagar**

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 )	PIA
1	IWMP-I	Prepared / under revision	6696	8374	803.52	2009-10 to 2014-15	BSA LDWR Ghatampur Kanpur Nagar

### 1. Project Background:---

The watershed Project is located in Ghatampur Block, Distt. Kanpur Nagar of U.P. state. This watershed has been identified by the state Department under I.W.M.P. scheme for integrated development of watershed management is located in North West of Distt. Kanpur it is lies between **80°14'40" to 80°11'29" east** longitude **26°55'8" to 26°1'4" N** north latitude.

The soil of Project Area is mainly Sandy loam, loam and somewhere is clayey. Agriculture is the main occupation of the project area the main crops are Wheat, Mustard, Gram, Paddy, Maize, Bajara & Millet.

Total Geographical area of the watershed is **5833.00** ha. Elevation ranges is **124** m above mean sea level.

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

Watershed project	Micro Watersheds (MWS) detail	Micro watersheds code	Geographical Area	Treatable Area (ha)	Name of Watershed in which MWS is falling (River / Nala name)
IWMP II	Maduri	2C4C1d1d	640.370	540.00	Non River
	Padri Gangadeen	2C4C1d1e	580.942	500.00	Non River
	Sirsa	2C4C1d1f	1191.555	940.00	Non River
	Aswarmau	2C4C1e2e	446.107	338.00	Non River
	Samuhi – Ist	2C4C1e2f	627.890	460.00	Non River
	Samuhi – IInd	2C4C1e2g	775.588	500.00	Non River
	Lahurimau Kasimpur	2C4C1e3a	1016.233	370.00	Non River
	Bandh	2C4C1e3d	554.401	220.00	Non River
	<b>Total</b>		<b>5833.086</b>	<b>3868.00</b>	---

**2. Need & Scope of the watershed Development:---** Watershed Development Programme is prioritized on the basis of thirteen parameters namely Poverty index, Percentage of SC/ST, Actual wages, percentage of small and marginal farmers, Ground water status, Moisture index, Area under rain fed agriculture, Drinking water situation in the area, percentage of the degraded land, productivity potential of the land, Continuity of another watershed that has already development/treated, cluster approach for plain or for hilly terrain. Based on these thirteen parameters a composite ranking was given below to watershed project. Since the rainfall received is erratic and irregular, the moisture index is low and the area is classified under IWDP block. Drinking water is available but in poor quality in the village. Majority of land is degraded due to soil erosion. The soil is sandy & sandy loam and production of the land can be significantly enriched with the availability of timely irrigation & proper use of fertilizers. Watershed falls continuity with other watersheds.

### Long Term Objectives:

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

**3. Problem Identification and Prioritization:-** Food sufficiency, economic growth and environmental security have been identified as the major issues to be addressed in the watershed area. The area has moderate slope to soil erosion. Efficiency soil depth is unlimited and spatially useful for good crop growth. Problems identified and prioritized the transect walk and PRA exercise in all 17 villages have pooled and list of problems representing the whole watershed was prepared. Problems have ranked as per their total Weightage in the watershed.

### 4. Weightage for selection of watershed:-

**Table- 1.5 : Prioritized list of projects proposed for sanction during the financial year 2010-11**

1	2	3	4	5	6	7	8													
							Weightage under the criteria#													
							i	ii	iii	iv	v	vi	vii	viii	ix	x	xi	xii	xiii	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Kanpur Nagar	IWMP -II	8	3868	Others	464.16	5	5	5	3	5	0	10	10	10	10	10	15	0	88

### Criteria and weightage for selection of watershed

S. N o.	Criteria	Maximum score	Ranges & scores			
1	Poverty index (% of poor to population)	10	Above 80 % (10)	80 to 50 % (7.5)	50 to 20 % (5)	Below 20 % (2.5)
2	% of SC/ ST population	10	More than 40 % (10)	20 to 40 % (5)	Less than 20 % (3)	
3	Actual wages	5	Actual wages are significantly lower than minimum wages (5)	Actual wages are equal to or higher than minimum wages (0)		
4	% of small and marginal farmers	10	More than 80 % (10)	50 to 80 % (5)	Less than 50 % (3)	
5	Ground water status	5	Over exploited (5)	Critical (3)	Sub critical (2)	Safe (0)
6	Moisture index/ DPAP/ DDP Block	15	-66.7 & below (15) DDP Block	-33.3 to -66.6 (10) DPAP Block	0 to -33.2 (0) Non DPAP/ DDP Block	
7	Area under rain-fed agriculture	15	More than 90 % (15)	80 to 90 % (10)	70 to 80% (5)	Above 70 % (Reject)
8	Drinking water	10	No source (10)	Problematic village (7.5)	Partially covered (5)	Fully covered (0)
9	Degraded land	15	High – above 20 % (15)	Medium – 10 to 20 % (10)	Low- less than 10 % of TGA (5)	
10	Productivity potential of the land	15	Lands with low production & where productivity can be significantly enhanced with reasonable efforts (15)	Lands with moderate production & where productivity can be enhanced with reasonable efforts (10)	Lands with high production & where productivity can be marginally enhanced with reasonable efforts (5)	
11	Contiguity to another watershed that has already been developed/ treated	10	Contiguous to previously treated watershed & contiguity within the	Contiguity within the micro watersheds in the project but non contiguous to previously treated water	Neither contiguous to previously treated watershed nor contiguity within the	

			micro watershed in the project (10)	shed (5)	micro watersheds in the project (0)	
12	Cluster approach in the plains (more than one contiguous micro-watersheds in the project)	15	Above 6 micro-watersheds in cluster (15)	4 to 6 micro watersheds in cluster (10)	2 to 4 micro watersheds in cluster (5)	
13	Cluster approach in the hills (more than one contiguous micro-watersheds in the project)	15	Above 5 micro-watersheds in cluster (15)	3 to 5 micro watersheds in cluster (10)	2 to 3 micro watersheds in cluster (5)	
<b>Total</b>		<b>150</b>	<b>150</b>	<b>90</b>	<b>41</b>	<b>2.5</b>

**5. STATUS OF PREVIOUS WATERSHED PROGRAMMES & OTHER DEVELOPMENT PROJECTS:--**These villages being very backward had been on top priority for a number of developmental projects. These programmes are Swarnajayanti Gram Swarajgar Yojana (SGSY) and Indira Awas Yojana (IAY) . Presently, no watershed development programme is going on in the micro-watershed

**6. Proposed Land Use:---**Watershed management plan for Non River watershed is proposed with specific objectives of food efficiency and income and employment generation with environmental security. In plan preparation due importance is given to topology, land suitability, irrigation potentiality, prevailing farming systems, micro-farming situation, farmers preferences and priorities along with economic and environmental securities, crop and tree selection and area distribution is done as per farmers priorities revealed through PRA exercise. Technological options are blended with the indigenous knowledge based on the latest available research/experimental findings for this region. Due attention is given to resource of the farmers and adjustments has made in capital intensive/high resource demanding technological outputs while making them adoptable to the resource poor farmers. Emphasis is given on maximum use of Farmyard Manure (FYM) and green manuring. The proposed land use plan of watershed is given as below



**Table 1.6: Present & Proposed land use plan of the selected watershed**

<b>S.No.</b>	<b>Land use</b>	<b>Current Status (ha)</b>	<b>Expected post project status(ha)</b>
1	Agriculture		
a	Kharif		
	(i) Rice/Bajara/Jwar/Maje	2450	3032
	Rabi wheat/gram/musterd/pea	2653	3791
b	Zaid	--	125
2	Wasteland		
	(a) Afforestation	5.00	45.614
	(b) Horticulture	2.00	99.702

## CHAPTER - 2

### General description of project area

#### 1: Location-

The micro-watersheds of IWMP-II are located in Ghatampur Block, Distt. Kanpur of U.P. state. It is about 40 km. from Kanpur on Kanpur to Hamirpur Road. Location (lat/long), Gram Panchayat, villages and its geographical area for each micro-watershed are depicted in **Table 2.1, 2.2**. This watershed has been identified by the state Department under I.W.M.P. scheme for integrated development of watershed management. It is located in South East of Distt. Kanpur Nagar. It lies between  $80^{\circ}14'40''$  to  $80^{\circ}11'29''$  east longitude  $26^{\circ}55'8''$  to  $26^{\circ}1'4''$  N north latitude. The total area of watershed is **5833.086 ha**. Including 17 villages. Along with Non River.

**Table No2.1: Microwatershed /GP/Village wise details of area:-**

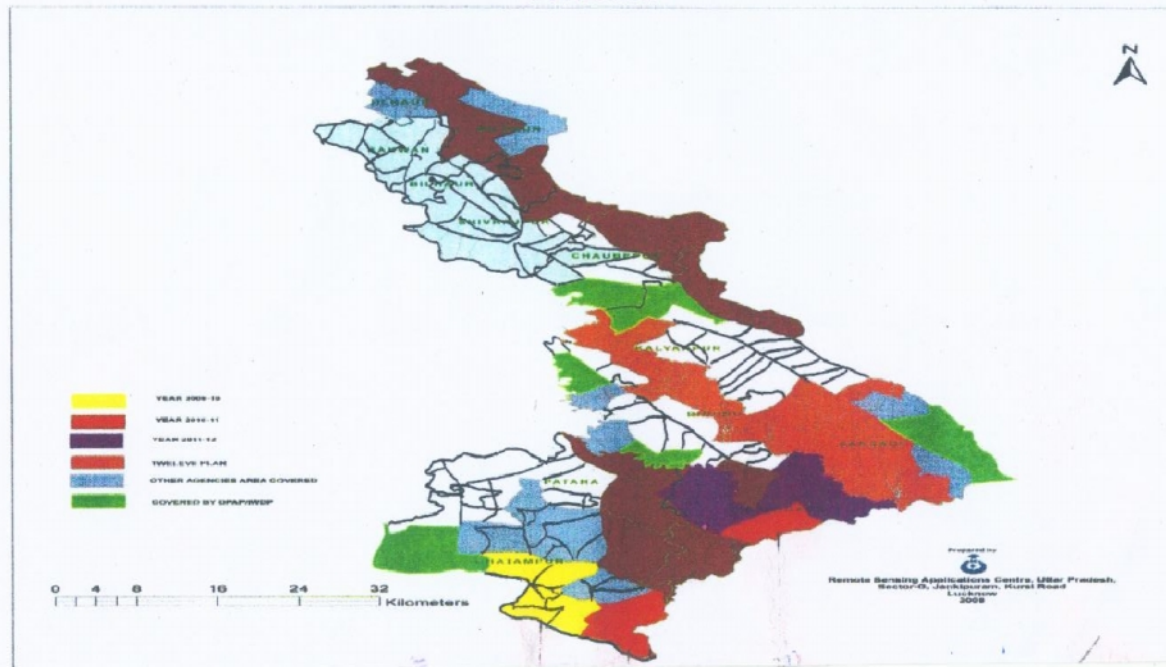
S.No.	Name of micro watershed with Code	Name of GP	Names of villages.	Name of Block	Area of village included in MWS	Details of important /approach road with distance km
1	2	4	5	6		7
1	2C4C1d1d	Biriya	Biriya	Ghatampur	0.029 0.029	20 km from Block HQ Ghatampur
2	2C4C1d1d	Maduri	Gauri Ghatampur Maduri	Ghatampur	2.095 372.134 374.134	19 KM from Block HQ Ghatampur
3	2C4C1d1e 2C4C1d1f 2C4C1d1d	Baripal	Baripal	Ghatampur	181.620 58.086 266.207 505.913	17 KM from Block HQ Ghatampur
4	2C4C1d1e	Dheerpur	Dheerpur	Ghatampur	5.021 5.021	18 KM from Block HQ Ghatampur
5	2C4C1d1d 2C4C1d1f	Padri Gangadeen	PadriGanga deen	Ghatampur	299.417 123.642 423.059	18 KM from Block HQ Ghatampur
6	2C4C1d1e 2C4C1d1f 2C4C1e3d	Bandh	Bandh	Ghatampur	50.973 43.411 194.126 288.510	23 KM from Block HQ Ghatampur
7	2C4C1d1e 2C4C1d1f 2C4C1e3a	Sirsa	Sirsa	Ghatampur	538.301 70.788 653.00	24 KM from Block HQ Ghatampur

8	2C4C1d1f	Maidhari	Kandhouli	Ghatampur	24.234	25 KM from Block HQ Ghatampur
					24.234	
9	2C4C1d1f 2C4C1e3a	Dharchhuwa	Dharchhuwa	Ghatampur	290.335	27 KM from Block HQ Ghatampur
					30.665	
					321.00	
10	2C4C1e2e 2C4C1e2f	Aswarmau	Aswarmau	Ghatampur	216.149	26 KM from Block HQ Ghatampur
					68.851	
					285.00	
11	2C4C1e2e 2C4C1e2f 2C4C1e2g	Samuhi	Samuhi	Ghatampur	8.469	28 KM from Block HQ Ghatampur
					559.039	
					775.588	
					1343.096	
12	2C4C1e3a 2C4C1e3d	Rampur	Rampur	Ghatampur	44.195	22 KM from Block HQ Ghatampur
					132.895	
					177.090	
13	2C4C1e3a 2C4C1e3d	Lahurimau Kasimpur	Bagriya Lahurimau Kasimpur	Ghatampur	177.378	25 KM from Block HQ Ghatampur
					57.622	
					221.489	
					252.511	
14	2C4C1d1f 2C4C1e3a 2C4C1e3d	Sidhoul	Sidhoul	Ghatampur	113.546	25 KM from Block HQ Ghatampur
					140.696	
					169.758	
					424.00	
				<b>Total</b>	5833.086	

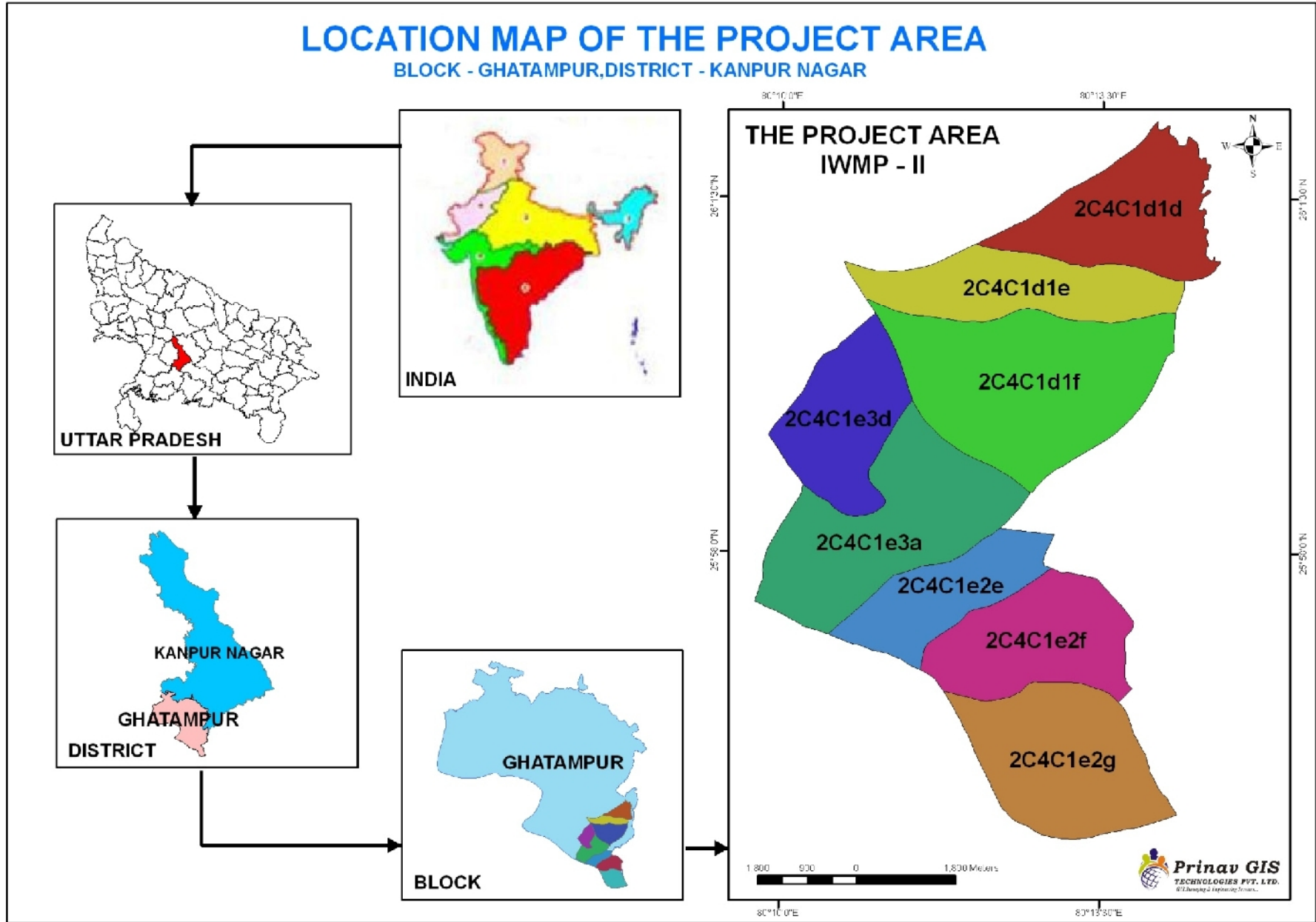
**Table 2.2: Micro-watershed wise details of location, Gram Panchayat, villages and geographical area of IWMP- IInd**

SI N	Name of micro watershed with Code	North/East	Name of GP	Names of villages	Name of Block	Area of village included in MWS (Geographical)	Details of important /approach road with distance km
1	2C4C1d1d Maduri	26°0'42.363"N,26°2'16.126"N 80°21'7.241"E, 80°14'46.834"E	Maduri	Maduri, Gauri Ghatampur Biriya Baripal	<b>Ghatampur</b>	640.370	Kanpur Nagar to Hamirpur Road at Ghatampur Through Link Road
2	2C4C1d1e Padari Gangadeen	26°0'15.812."N,26°1'1.902"N 80°10'40.006"E, 80°14'22.949"E	Padari Gangadeen Baripal Dhirpur Bandh Sirsa	Padari Gangadeen Baripal Dhirpur Bandh Sirsa		580.942	
3	2C4C1d1f Sirsa	25°58'35.204"N,26°0'30.447"N 80°10'30.801"E, 80°12'58.9	Sirsa Baripal Padri Gangadeen Bandh Sidhoul Dharchuwa Maidhri	Sirsa Baripal Padri Gangadeen Bandh Sidhoul Dharchuwa Kandhouli		1191.555	
4	2C4C1e2e Aswarmau	25°56'50.354"N,25°58'13.922"N 80°11'30.845"E, 80°13'51.866"E	Aswarmau Lahurimau Kasimpur Samuhi	Aswarmau Lahurimau Kasimpur Samuhi		446.107	
5	2C4C1e2f Samuhi Ist	25°56'31.031"N,25°57'50.392"N 80°11'48.275"E, 80°14'21.615"E	Samuhi Aswarmau	Samuhi Aswarmau		627.890	
6	2C4C1e2g Samuhi IInd	25°55'9.78"N,25°56'43.147"N 80°11'48.275"E, 80°14'21.615"E	Samuhi	Samuhi		775.588	
7	2C4C1e3a Lahurimau Kasimpur	25°57'11.164"N,25°59'29.508"N 80°9'42.17"E, 80°12'45.131"E	Lahurimau Kasimpur Sirsa Rampur Sidhoul Dharchuwa <b>Lahurimau</b>	Lahurimau Kasimpur Sirsa Rampur Sidhoul Dharchuwa Bagriya		1016.233	
8	2C4C1e3d Bandh	25°58'21.484"N,26°0'21.985"N 80°9'51.231"E, 80°11'26.86"E	Bandh Rampur Sidhoul Lahurimau	Bandh Rampur Sidhoul Bagriya		554.401	
					<b>Total</b>	5833.086	

**MICRO WATERSHED MAP OF KANPUR NAGAR DISTRICT, UTTAR PRADESH  
PLAN MAP**



is



**Table 2.3: Details of land resources in IWMP-II of Kanpur Nagar district (ha)**

S. N.	Name of Gram Panchayat	Code of Micro watershed	Cultivated and wasteland area of the village (ha)				Area details (ha) (falling within the projects)									
			Cultivated rainfed area	Cultivated irrigated area	Uncultivated wasteland/ fallow		Pvt. Agri. Land					Forest Land	Communi land	Others (Pl. specify)	Total area (ha)	
					Temp.	Perman ent	Gen	SC	ST	OBC	Total					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Maduri	2C4C1d1d	297	27	33	8	88	58	-	178	324	-	9	-	374	
2	Baripal	2C4C1d1e 2C4C1d1f 2C4C1d1d	369	51	31	39	141	43	-	236	420	-	16	-	506	
3	PadriGanga deen	2C4C1d1d 2C4C1d1f	331	46	9	30	105	47	-	225	377	-	7	-	423	
4	Bandh	2C4C1d1e 2C4C1d1f 2C4C1e3d	191	37	9	8	48	38	-	142	228	-	10	34	289	
5	Sirsa	2C4C1d1e 2C4C1d1f 2C4C1e3a	446	73	64	32	189	68	-	262	519	-	10	28	653	
6	Maidhari	2C4C1d1f	17	3	3	1	6	3	-	11	20	-	-	-	24	
7	Dharchhuwa	2C4C1d1f 2C4C1e3a	205	28	45	15	64	27	-	142	233	-	5	23	321	
8	Aswarmau	2C4C1e2e 2C4C1e2f	190	19	40	12	60	27	-	122	209	-	9	15	285	
9	Samuhi	2C4C1e2e 2C4C1e2f 2C4C1e2g	873	35	45	367	199	42	-	667	908	-	23	-	1343	
10	Lahurimau Kasimpur	2C4C1e3a 2C4C1e3d	234	45	186	127	59	15	-	205	279	-	37	-	1009	
11	Sidhoul	2C4C1d1f 2C4C1e3a 2C4C1e3d	235	34	15	16	62	12	-	195	269	-	19	380	424	
12	Rampur	2C4C1e3a 2C4C1e3d	-	-	-	10	-	-	-	-	-	5	15	105	177	
13	Dheerpur	2C4C1d1e	-	5	-	-	-	-	-	5	5	-	-	147	5	
		<b>Total</b>	<b>3388</b>	<b>403</b>	<b>480</b>	<b>665</b>	<b>1021</b>	<b>380</b>	<b>-</b>	<b>2390</b>	<b>3791</b>	<b>5</b>	<b>160</b>	<b>732</b>	<b>5833</b>	



**Table2.4 Area Taken By Thermal Power Project**

S.No.	Name of village	Area
1	Bagaria	72.1930
2	Sirasa	27.1650
3	Rampur	146.6690
4	Sidhaul	104.5130
5	Bandh	34.0150
6	Lauharimau kasimpur	308.6050
7	Aswarmau	15.2220
8	Dharachhhua	23.0580
	<b>Total</b>	<b>731.440</b>

**2: Area:---** Total Geographical area of the watershed is 5833.00 ha. In Which 3868.00 ha. Area has been proposed for treatment. Area and Landuse Village wise detailed information and type of land is depicted above in Table 2.2. The cultivable rainfed, temporary wasteland and cultivated irrigated are about 3388ha, 480ha and 403 ha, respectively, of cultivable land of the project.

**3: Physiography:-** - The watershed project is having moderate slopes and drains into Non river. About 1811 ha area of the watershed has slopes up to 1 %, 1437ha area has slopes range 1-3% and 804 ha area has slopes upto 3 -5%. Total 29 numbers of streams of different order are found in watershed, with total length 4560 meter.

**Table2.5 Micro-watershed wise elevation range and relief**

Name of MWS Code	Name of MWS	Minimum	Maximum	Relief
2C4C1d1d	Maduri	109	120	11
2C4C1d1e	Pandri Ganngadin	115	124	9
2C4C1d1f	Sirsa	113	124	11
2C4C1e2e	Aswarmau	90	123	33
2C4C1e2f	Samuhi Ist	111	122	11
2C4C1e2g	Samuhi IInd	101	118	7
2C4C1e3a	kasimpur	90	122	32
2C4C1e3d	Bandh	114	122	8

**4. 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, and 3-5% per cent. Percent areal extent of different slope classes in IWMP-II is shown in Table 2.5. The dominant slope category in the micro-watershed were 0.5-1 per cent (44%) followed by 1-3 per cent (37%).

**Table 2.6 Slope range wise area--**

S. No.	Name of GP	Slope range wise area (ha)						Others Specify
		0-0.5%	0.5-1.0%	1-3%	3-5%	>5%		
						Undulating	Terraced	
1	2	3	4	5	6	7	8	9
1	Maduri	10	148	122	50	-	-	-
2	Baripal	15	180	148	57	-	-	-
3	PadriGanga deen	12	153	126	49	-	-	-
4	Bandh	8	90	74	28	-	-	-
5	Sirsa	15	230	189	76	-	-	-
6	Maidhari	-	18	12	-	-	-	-
7	Dharchhuwa	9	113	93	35	-	-	-
8	Aswarmau	8	68	85	69	28	-	-
9	Samuhi	10	285	340	275	65	-	-
10	Lahurimau Kasimpur	8	313	155	126	28	-	-
11	Sidhoul	5	113	93	39	-	-	-
	Total	100	1711	1437	804	121	-	-

**5. Order of Watershed:---**All the 8 watersheds of the project area have identical rectangular shape. The largest watershed is the Sirsa and the Bandh watershed is the smallest one in the project area as per their size. The direction of the slope in the project area is South-east to south-west.

## Major Stream

**TABLE2.7 STREAM CHARACTERISTICS OF SELECTED WATERSHED**

Stream Order	Stream number	Mean Stream Length(K.M.)
1st order	22	7.440
2nd order	6	7.512
3rd order	1	4560

**6. Climate:---**The watershed lies in the east plane region having tropical climate. The average annual precipitation is 852.21mm. Most of the annual rain fall (about 90%) is received during the rainy season (July to September) accompanied with high intensity storm. The temperature in the area rarely goes up to43.5°C during summer and reaches 5.6°C in winterThe annual rainfall and the temperature of the Kanpur district are given in Table 2.8

**Table2.8: Average monthly rainfall and temperature of the last 07 years at IWMP-II in district Kanpur**

Month	Annual Rainfall (mm)							Temperature 0C		
	2004	2005	2006	2007	2008	2009	2010	Average	Max.	Min.
January	18	0	12.00	18.60	0	0	0	6.94	22.50	5.60
February	0	0	0	45.60	17.50	0	0	9.01	28.00	10.00
March	0	0	28.00	36.80	0	0	0	9.26	33.00	14.00
April	0	0	36.50	0	0	0	0	5.21	38.00	16.00
May	0	0	0	0	56.80	56.80	0	16.23	42.00	18.00
June	275.60	188.00	115.60	86.90	389.50	46.60	36.60	157.46	43.00	18.00
July	265.50	524.00	456.80	110.30	496.60	189.60	286.60	306.11	43.50	19.00
August	129.00	165.00	186.60	325.60	88.90	210.60	120.60	172.24	41.00	18.50
September	175.30	356.00	105.60	126.60	56.00	126.80	156.00	135.19	39.50	18.00
October	65.00	46.50	45.60	22.60	0.00	38.50	48.60	31.17	36.00	16.00
November	0	0	0	0	0	14.80	0	2.11	28.00	15.00
December	0	0	0	0	0	8.90	0	1.27	22.00	8.50
<b>Total rainfall</b>	<b>928.4</b>	<b>1279.5</b>	<b>986.7</b>	<b>773</b>	<b>1105.3</b>	<b>692.6</b>	<b>648.4</b>	<b>852.21</b>	--	--

**Table 2.9 Flood and drought condition:**

S.No.	Watershed Area of Non river	Area	Particulars	No. of villages	Periodicity		Not affected
					Annual	Any other (please specify)	
1	2C4C1d1e,2C4C1d1e,2C4C1d1f 2C4C1e2e,2C4C1e2f,2C4C1e2g	-----	Flood	Name(s) of villages	-----	-----	Not affected
				No. of villages			
	2C4C1e3a,2C4C1e3d	---	Drought	Name(s) of villages	-----	-----	Not affected
				No. of villages			

**Table 2.10 Soil Erosion:**

S.N.	Type of erosion	Area affected (ha)	Run off (mm/year)	Average soil loss (Tonnes / ha / year)
1	Sheet erosion	2998	393	17 Tonnes / ha / year
2	Rill erosion	1250		
3	Gully erosion	1403		

**Table 2.11- Details of soil erosion in the project area IWMP IIInd Block – Ghatampur, District – Kanpur nagar**

S.No.	Name of Gram Panchyat	Cause	Type of erosion	Area affected (ha)	Run off (mm/ year)	Average soil loss (Tonnes/ ha/ year)
01	Maduri	Water erosion				
		a	Sheet	230	393	17
		b	Rill	83		
		c	Gully	61		
		Total			374	
02	Baripal	Water erosion				
		a	Sheet	318	393	17
		b	Rill	109		
		c	Gully	79		
		Total			506	
03	Padri Gangadeen	Water erosion				
		a	Sheet	262	393	17
		b	Rill	93		
		c	Gully	68		
		Total			423	
04	Bandh	Water erosion				
		a	Sheet	182	393	17
		b	Rill	65		
		c	Gully	42		
		Total			289	
05	Sirsa	Water erosion				
		a	Sheet	409	393	17
		b	Rill	148		
		c	Gully	96		

		Total		653		
06	Maidhri	Water erosion			393	17
		a	Sheet	17		
		b	Rill	7		
		c	Gully	-		
		Total		24		
07	Dharchhuwa	Water erosion			393	17
		a	Sheet	199		
		b	Rill	70		
		c	Gully	52		
		Total		321		
08	Aswarmau	Water erosion			393	17
		a	Sheet	135		
		b	Rill	65		
		c	Gully	85		
		Total		285		
09	Samuhi	Water erosion			393	17
		a	Sheet	511		
		b	Rill	295		
		c	Gully	537		
		Total		1343		
10	Lahurimau Kasimpur	Water erosion			393	17
		a	Sheet	472		
		b	Rill	222		
		c	Gully	315		
		Total		1009		
11	Sidhoul	Water erosion			393	17
		a	Sheet	263		
		b	Rill	93		

		c	Gully	68		
		Total		424		
	G.total	sheet		2998	393	17
		Rill		1250		
		Gully		1403		

**Table 2.12: Soil Condition:-**

S. No.	Names of the mws	Namof mws code	Area in ha.	Major soil types		Topography	Name of the Agro Climate Zone covers project Area
				Type	Area in ha		
1	Maduri	2C4C1d1d	640.370	Sandy loam	583.37	Moderate & Undulating	Subtropical
				Loam	57.00		
2	Padri Gangadeen	2C4C1d1e	580.942	Sandy loam	529.942	Moderate & Undulating	do
				Loam	51.00		
3	Sirsa	2C4C1d1f	1191.555	Sandy loam	1085.555	Moderate & Undulating	do
				loam	106.00		
4	Aswarmau	2C4C1e2e	446.107	Sandy loam	406.107	Moderate & Undulating	do
				Loam	40.00		
5	Samuhi – Ist	2C4C1e2f	627.890	Sandy loam	572.890	Moderate & Undulating	do
				Loam	55.00		
6	Samuhi – IInd	2C4C1e2g	775.588	Sandy loam	706.588	Moderate & Undulating	do
				Loam	69.00		
7	Lahurimau Kasimpur	2C4C1e3a	1016.233	Sandy loam	921.233	Moderate & Undulating	do
				Loam	95.00		
8	Bandh	2C4C1e3d	554.401	Sandy loam	505.401	Moderate & Undulating	do
				Loam	49.00		
		<b>Total</b>	<b>5833.086</b>	----	<b>5833.086</b>	---	----

## CHAPTER - 3

### BASELINE SURVEY AND PARTICIPATORY RURAL APPRAISAL

**1: Social-Economic Analysis:** ---- IWMP-IInd watershed project has a total of 3912 household with a population of 27416 (as per base-line survey) out of which 14645 are male and 12771 female. There are 1949 BPL families with average family size 7 person. The sex ratio is 1 female to 1.15 male. The literacy rate is 51.65%, Male literacy is 61.80% percent & the female literacy is 40% percent. There are 5225(19%) population of S.C. & general population 22191 (81%) out of total population. The detail of population in each G.P./ micro watershed is given below:-

**Table 3.1: Demographic Features in Project Area:-**

S.No	Name of GP	MWS Code	Name of village	Total Population			Population of SC/ST		
				Total	Male	Female	Total	Male	Female
1	2	3	4	5	6	7	8	9	10
1	Biriya	2C4C1d1d	Biriya	566	307	259	49	26	23
2	Maduri	2C4C1d1d	Gauri Ghatampur	396	208	188	160	86	74
			Maduri	820	430	390	135	72	63
3	Baripal	2C4C1d1e 2C4C1d1f 2C4C1d1d	Baripal	5465	2868	2597	842	438	404
4	Dheerpur	2C4C1d1e	Dheerpur	1175	620	555	482	255	227
5	PadriGanga deen	2C4C1d1d 2C4C1d1f	PadriGanga deen	1879	992	887	755	402	353
6	Bandh	2C4C1d1e 2C4C1d1f	Bandh	1719	931	788	688	374	314



		2C4C1e3d							
7	Sirsa	2C4C1d1e 2C4C1d1f 2C4C1e3a	Sirsa	2390	1307	1083	492	270	222
8	Maidhari	2C4C1d1f	Kandhouli	661	375	286	150	87	63
9	Dharchhuwa	2C4C1d1f 2C4C1e3a	Dharchhuwa	1222	654	568	327	170	157
10	Aswarmau	2C4C1e2e 2C4C1e2f	Aswarmau	1038	536	502	37	21	16
11	Samuhi	2C4C1e2e 2C4C1e2f 2C4C1e2g	Samuhi	3115	1684	1431	302	174	128
12	Rampur	2C4C1e3a 2C4C1e3d	Rampur	2900	1593	1307	327	172	155
13	Lahurimau Kasimpur	2C4C1e3a 2C4C1e3d	Bagriya	327	181	146	-	-	-
			Lahurimau Kasimpur	1948	1017	931	145	77	68
14	Sidhoul	2C4C1d1f 2C4C1e3a 2C4C1e3d	Sidhoul	1795	942	853	334	189	145
			<b>Total</b>	<b>27416</b>	<b>14645</b>	<b>12771</b>	<b>5225</b>	<b>2813</b>	<b>2412</b>

**Table 3.2: Literacy rate:-**

S.No.	Total Population of watershed	Literacy					
		Total	%	Male	%	Female	%
	27416	14677	51.65	9386	61.80	5291	40

**Table No.3.3: Soil Texture Project- IWMP IInd**

S. No.	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	TOTAL
1	-	3346	522	-	3868

**2: Land Holding Pattern:---**The average land holding is about 1.08 ha with lack of irrigation source, so it forces the majority of the farmers to migrate to ensure their livelihood. This affects the demographic profile of the watershed directly. These small land holdings are scattered in different places which marks cultivation very difficult.

**Table-3.4:- Details of land holding pattern in the project areas - IWMP IInd**

1	2	3	4	5	6	7								
						S. No.	Names of GP	Name of Village	Type of Farmer	No. of households	No. of BPL households	Land holding (ha)		
												Irrigated	Rainfed	Total
1	Maduri	Maduri Gauri Ghatampur	1 Large farmer	4	-	-	-	-						
			2 Medium farmer	11	-	-	-	-						
			3 Small farmer	58	-	-	-	-						
			4 Marginal farmer	120	159	-	-	-						
			5 Landless person	4	4	-	-	-						
			<b>Sub-Total</b>	<b>197</b>	<b>163</b>	<b>27</b>	<b>330</b>	<b>357</b>						
2	Baripal	Baripal	1 Large farmer	18	-	-	-	-						
			2 Medium farmer	54	-	-	-	-						
			3 Small farmer	270	-	-	-	-						
			4 Marginal farmer	542	111	-	-	-						
			5 Landless person	18	18	-	-	-						
			<b>Sub-Total</b>	<b>902</b>	<b>129</b>	<b>51.00</b>	<b>400.00</b>	<b>451.00</b>						
3			1 Large farmer	07	-	-	-	-						
			2 Medium farmer	21	-	-	-	-						

	Padri Gangadeen	Padri Gangadeen	3 Small farmer	107	-	-	-	-
			4 Marginal farmer	216	255	-	-	-
			5 Landless person	06	06	-	-	-
			<b>Sub-Total</b>	<b>357</b>	<b>261</b>	<b>46.00</b>	<b>340.00</b>	<b>386.00</b>
4	Bandh	Bandh	1 Large farmer	05	-	-	-	-
			2 Medium farmer	16	-	-	-	-
			3 Small farmer	83	-	-	-	-
			4 Marginal farmer	169	150	-	-	-
			5 Landless person	05	05	-	-	-
			<b>Sub-Total</b>	<b>278</b>	<b>155</b>	<b>37.00</b>	<b>200.00</b>	<b>237.00</b>
5	Sirsa	Sirsa	1 Large farmer	08	-			
			2 Medium farmer	25	-			
			3 Small farmer	129	-			
			4 Marginal farmer	261	189			
			5 Landless person	09	09			
			<b>Sub-Total</b>	<b>432</b>	<b>198</b>	<b>73.00</b>	<b>510.00</b>	<b>583.00</b>
6	Sidhoul	Sidhoul	1 Large farmer	06	-			
			2 Medium farmer	18	-			
			3 Small farmer	97	-			
			4 Marginal farmer	193	267			
			5 Landless person	06	06			
			<b>Sub-Total</b>	<b>320</b>	<b>273</b>	<b>34.00</b>	<b>250.00</b>	<b>284.00</b>
7	Maidhri	Kandhouli	1 Large farmer	03	-			
			2 Medium farmer	06	-			
			3 Small farmer	34	-			
			4 Marginal farmer	69	07			
			5 Landless person	04	04			
			<b>Sub-Total</b>	<b>116</b>	<b>11</b>	<b>3</b>	<b>20</b>	<b>23.00</b>
8	Dharchhuwa	Dharchhuwa	1 Large farmer	4	-			
			2 Medium farmer	12	-			

			3 Small farmer	61	-			
			4 Marginal farmer	122	171			
			5 Landless person	04	04			
			<b>Sub-Total</b>	<b>203</b>	<b>175</b>	<b>28.00</b>	<b>250.00</b>	<b>278.00</b>
9	Aswarmau	Aswarmau	1 Large farmer	04	-			
			2 Medium farmer	11	-			
			3 Small farmer	54	-			
			4 Marginal farmer	109	37			
			5 Landless person	04	04			
			<b>Sub-Total</b>	<b>182</b>	<b>41</b>	<b>19.00</b>	<b>230.00</b>	<b>249.00</b>
10	Samuhi	Samuhi	1 Large farmer	11	-			
			2 Medium farmer	31	-			
			3 Small farmer	159	-			
			4 Marginal farmer	321	378			
			5 Landless person	10	10			
			<b>Sub-Total</b>	<b>532</b>	<b>388</b>	<b>35.00</b>	<b>918.00</b>	<b>953.00</b>
11	Lahurimau Kasimpur	Lahurimau Kasimpur	1 Large farmer	7	-			
			2 Medium farmer	24	-			
			3 Small farmer	120	-			
			4 Marginal farmer	234	147			
			5 Landless person	8	08			
			<b>Sub-Total</b>	<b>393</b>	<b>155</b>	<b>45.00</b>	<b>420.00</b>	<b>465.00</b>
				<b>3912</b>	<b>1949</b>	<b>398</b>	<b>3868</b>	<b>4236</b>

Source of data- D.S.T.O. Kanpur

**Table No. 3.5 :- Details of seasonal migration from Project area: Pre-project IWMP II**

S. No.	Names of GP	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	2	3	4	5	6		7	8
1	Maduri	Gauri Ghatampur Maduri	45.00	90 To 180	Wages	400 To 800	Wagises	0.15 To 0.30
2	Baripal	Baripal	67.00	90 To 180	Wages	400 To 800	Wagises	0.15 To 0.30
3	PadriGanga deen	PadriGanga deen	54.00	90 To 180	Wages	400 To 800	Wagises	0.15 To 0.30
4	Bandh	Bandh	48.00	90 To 180	Wages	400 To 800	Wagises	0.15 To 0.30
5	Sirsa	Sirsa	75.00	90 To 180	Wages	400 To 800	Wagises	0.15 To 0.30
6	Sidhoul	Sidhoul	55.00	90 To 180	Wages	400 To 800	Wagises	0.15 To 0.30
7	Maidhari	Kandhouli	57.00	90 To 180	Wages	400 To 800	Wagises	0.15 To 0.30
8	Dharchhuwa	Dharchhuwa	65.00	90 To 180	Wages	400 To 800	Wagises	0.15 To 0.30
9	Aswarmau	Aswarmau	85.00	90 To 180	Wages	400 To 800	Wagises	0.15 To 0.30
10	Samuhi	Samuhi	75.00	90 To 180	Wages	400 To 800	Wagises	0.15 To 0.30
11	Lahurimau Kasimpur	Bagriya Lahurimau Kasimpur	90.00	90 To 180	Wages	400 To 800	Wagises	0.15 To 0.30
		<b>Total</b>	716	-----	----	-----	---	----

**3 .Live stocks Population-----** Total live stock population is 11730 nos. out of them the population of buffalo, Cow & Goat is respectively 3890 ,2672 & 5130 nos. Due to the milking element yield is very low it require insamination for high yielding variety animals. Home sited poultry rearing is common in among farmers.

**Table No.3.6 : Livestock Population Project- IWMP II**

S. No.	Name of Gram Panchayat	MWS Code	Name of Village	Cow		Buffalow		Ox/ Bull	Goat	Sheep	Piggeries	Poultry			Other specify
				Desi	Crossed	Desi	Murrah					Broiler	Layers	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Maduri	2C4C1d1d 2C4C1d1d	Gauri Ghatampur Maduri	155	45	210	25	04	250	-	15	-	25	25	-
2	Baripal	2C4C1d1e 2C4C1d1f 2C4C1d1d	Baripal	170	25	245	30	03	500	-	25	-	45	45	-
3	PadriGanga deen	2C4C1d1d 2C4C1d1f	PadriGanga deen	206	50	275	20	02	325	-	10	-	10	10	-
4	Bandh	2C4C1d1e 2C4C1d1f 2C4C1e3d	Bandh	185	30	325	30	02	420	-	20	-	50	50	-
5	Sirsa	2C4C1d1e 2C4C1d1f 2C4C1e3a	Sidhoul	220	40	380	35	01	500	-	30	-	60	60	-
6	Sidhoul	2C4C1d1f 2C4C1e3a 2C4C1e3d	Sirsa	256	20	260	30	03	250	-	25	-	30	30	-
7	Maidhari	2C4C1d1f	Kandhouli	175	15	275	40	04	300	-	20	-	15	15	-
8	Dharchhuwa	2C4C1d1f 2C4C1e3a	Dharchhuwa	210	20	310	60	02	350	-	15	-	20	20	-
9	Aswarmau	2C4C1e2e 2C4C1e2f	Aswarmau	200	15	280	40	01	360	-	20	-	30	30	-

10	Samuhi	2C4C1e2e 2C4C1e2f 2C4C1e2g	Samuhi	290	32	250	45	02	645	-	35	-	70	70	-
11	Rampur	2C4C1e3a 2C4C1e3d	Rampur	280	40	350	60	03	720	-	30	-	150	150	-
12	Lahurimau Kasimpur	2C4C1e3a 2C4C1e3d 2C4C1e3a	Bagriya Lahurimau Kasimpur	250	35	275	40	01	510	-	20	-	75	75	-
			<b>Total</b>	<b>2397</b>	<b>285</b>	<b>3435</b>	<b>455</b>	<b>28</b>	<b>5130</b>	<b>-</b>	<b>265</b>	<b>-</b>	<b>580</b>	<b>580</b>	<b>-</b>

All Figure in No.

**Table-3.7: Details of Livestock Productivity**

S. No	Name of Gram Panchayat	MWS Code	Name of Village	Milk Production (Liter Per day)/ Capita				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	2	3	4	5	6	7	8	9	10	11	12	
1	Maduri	2C4C1d1d 2C4C1d1d	Gauri Ghatampur Maduri	232	120	510	90	12-15	-	15-20	30-35	
2	Baripal	2C4C1d1e 2C4C1d1f 2C4C1d1d	Baripal	255	70	590	105	12-15	-	30-35	30-35	
3	PadriGanga deen	2C4C1d1d 2C4C1d1f	PadriGanga deen	310	130	660	70	12-15	-	7-8	30-35	
4	Bandh	2C4C1d1e 2C4C1d1f 2C4C1e3d	Bandh	280	80	780	105	12-15	-	35-40	30-35	
5	Sirsa	2C4C1d1e 2C4C1d1f 2C4C1e3a	Sidhoul	330	105	915	125	12-15	-	40-45	30-35	

6	Sidhoul	2C4C1d1f 2C4C1e3a 2C4C1e3d	Sirsa	390	55	624	105	12-15	-	15-20	30-35
7	Maidhari	2C4C1d1f	Kandhouli	265	40	660	140	12-15	-	10-12	30-35
8	Dharchhuwa	2C4C1d1f 2C4C1e3a	Dharchhuwa	315	55	745	210	12-15	-	10-12	30-35
9	Aswarmau	2C4C1e2e 2C4C1e2f	Aswarmau	300	40	675	140	12-15	-	20-25	30-35
10	Samuhi	2C4C1e2e 2C4C1e2f 2C4C1e2g	Samuhi	435	85	600	160	12-15	-	40-45	30-35
11	Rampur	2C4C1e3a 2C4C1e3d	Rampur	420	105	840	210	12-15	-	120-125	30-35
12	Lahurimau Kasimpur	2C4C1e3a 2C4C1e3d 2C4C1e3a	Bagriya Lahurimau Kasimpur	375	95	660	140	12-15	-	50-55	30-35
			<b>Total</b>	<b>3907</b>	<b>980</b>	<b>8259</b>	<b>1600</b>	-	-	-	-

**4. Infrastructure Facilities:---**The watershed has moderate communication facilities and all 17 villages are approachable through motorable road. Literacy rate in the watershed is low because non awareness of villagers for education. All villages are having education facilities up to primary School. There is 02 intermediate college in watershed at Ghatampur . All the villages are electrified and have telephonic connection. There are television facilities in village of watershed. Nearest market is Bheetargoan of Block headquarter of district Kanpur. People having small land holdings (average 1.08ha) with large family size (average 7person) and illiterate, unskilled persons more than 50%of the total population of watershed is living below poverty line. This indicates poor socio-economic status of the watershed community. However a strong community spirit among the village shows a positive indication for the success of any programme implemented in a participatory mode. Traditionally, the entire village community participates in the individual's work needing labour such as sowing, harvesting, house construction works etc.

**Means of Communication:** The related village of watersheds can be approached from main roads –

1-Kanpur Hami pur road

2- Ghatampur to every village related from watershed.



**Table-3.8 : Details of infrastructure in the project area:-**

<b>S N</b>	<b>Name of Gram Panchayat</b>	<b>Parameters</b>				<b>Status</b>			
<b>1</b>	<b>2</b>	<b>4</b>				<b>5</b>			
01	Maduri	(i)	Name of villages connected to the main road by an all-weather road			Yes			
		(ii)	Village's Name provided with electricity			Yes			
		(iii)	No. of households without access to drinking water			No			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)			(P) 02	(S) 02	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre			No			
		(vi)	Names of villages with access to Veterinary Dispensary			No			
		(vii)	Names of villages with access to Post Office			-			
		(viii)	Names of villages with access to Banks			-			
		(ix)	Names of villages with access to Markets/ mandis			-			
		(x)	Names of villages with access to Agro-industries			-			
		(xi)	Total quantity of surplus milk deficit			230Lt			
		(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			Yes			
		(xiv)	Any other facilities with names of villages (please specify)			N/ A			
02	Baripal	(i)	Name of villages connected to the main road by an all-weather road			Yes			
		(ii)	Village's Name provided with electricity			Yes			
		(iii)	No. of households without access to drinking water			No			
		(iv)	No. of educational institutions :			(P)	(S)	(HS)	(VI)

			Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	03	02	)	01	–
		(v)	Names of villages with access to Primary Health Centre	01				
		(vi)	Names of villages with access to Veterinary Dispensary	01				
		(vii)	Names of villages with access to Post Office	01				
		(viii)	Names of villages with access to Banks	01				
		(ix)	Names of villages with access to Markets/ mandis	01				
		(x)	Names of villages with access to Agro-industries	-				
		(xi)	Total quantity of surplus milk deficit	250Lt				
		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) 01	(S) 01	(PA) –	(O) 06	
		(xiii)	Name of villages with access to Anganwadi Centre	Yes				
		(xiv)	Any other facilities with names of villages (please specify)	Telephone Line/ Railway station				
03	Padri Gangadeen	(i)	Name of villages connected to the main road by an all-weather road	N/ A				
		(ii)	Village's Name provided with electricity	N/ A				
	(iii)	No. of households without access to drinking water	N/ A					
	(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 02	(S) 01	(HS) –	(VI) –		
	(v)	Names of villages with access to Primary Health Centre	–					
	(vi)	Names of villages with access to Veterinary Dispensary	–					
	(vii)	Names of villages with access to Post Office	–					
	(viii)	Names of villages with access to Banks	–					
	(ix)	Names of villages with access to Markets/ mandis	–					
	(x)	Names of villages with access to Agro-industries	–					
	(xi)	Total quantity of surplus milk deficit	220Lt					

		(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	N/ A			
		(xiv)	Any other facilities with names of villages (please specify)	N/ A			
04	Bandh	(i)	Name of villages connected to the main road by an all-weather road	Yes			
		(ii)	Village's Name provided with electricity	Yes			
		(iii)	No. of households without access to drinking water	No			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 02	(S) 01	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre	-			
		(vi)	Names of villages with access to Veterinary Dispensary	-			
		(vii)	Names of villages with access to Post Office	-			
		(viii)	Names of villages with access to Banks	-			
		(ix)	Names of villages with access to Markets/ mandis	-			
		(x)	Names of villages with access to Agro-industries	-			
		(xi)	Total quantity of surplus milk deficit	320Lt			
		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) -
		(xiii)	Name of villages with access to Anganwadi Centre	Yes			
		(xiv)	Any other facilities with names of villages (please specify)	No			
05	Sirsa	(i)	Name of villages connected to the main road by an all-weather road	Yes			
		(ii)	Village's Name provided with electricity	Yes			
		(iii)	No. of households without access to drinking water	No			
		(iv)	No. of educational institutions :	(P)	(S)	(HS)	(VI)

			Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	01	01	-	-
		(v)	Names of villages with access to Primary Health Centre	-			
		(vi)	Names of villages with access to Veterinary Dispensary	-			
		(vii)	Names of villages with access to Post Office	Yes			
		(viii)	Names of villages with access to Banks	-			
		(ix)	Names of villages with access to Markets/ mandis	-			
		(x)	Names of villages with access to Agro-industries	-			
		(xi)	Total quantity of surplus milk deficit	240Lt			
		(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	Yes			
		(xiv)	Any other facilities with names of villages (please specify)	No			
06	Sidhoul	(i)	Name of villages connected to the main road by an all-weather road	Yes			
		(ii)	Village's Name provided with electricity	Yes			
		(iii)	No. of households without access to drinking water	No			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 01	(S) 01	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre	No			
		(vi)	Names of villages with access to Veterinary Dispensary	No			
		(vii)	Names of villages with access to Post Office	No			
		(viii)	Names of villages with access to Banks	No			
		(ix)	Names of villages with access to Markets/ mandis	No			
		(x)	Names of villages with access to Agro-industries	No			
		(xi)	Total quantity of surplus milk deficit	230Lt			

		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(O) 03	(PA) -
		(xiii)	Name of villages with access to Anganwadi Centre	Yes			
		(xiv)	Any other facilities with names of villages (please specify)	No			
07	Maidhri	(i)	Name of villages connected to the main road by an all-weather road	Yes			
		(ii)	Village's Name provided with electricity	Yes			
		(iii)	No. of households without access to drinking water	No			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 01	(S) 01	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre	No			
		(vi)	Names of villages with access to Veterinary Dispensary	No			
		(vii)	Names of villages with access to Post Office	No			
		(viii)	Names of villages with access to Banks	No			
		(ix)	Names of villages with access to Markets/ mandis	No			
		(x)	Names of villages with access to Agro-industries	No			
		(xi)	Total quantity of surplus milk deficit	240Lt			
		(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	Yes			
		(xiv)	Any other facilities with names of villages (please specify)	No			
08	Dharchhuwa	(i)	Name of villages connected to the main road by an all-weather road	Yes			
		(ii)	Village's Name provided with electricity	Yes			
		(iii)	No. of households without access to drinking water	No			
		(iv)	No. of educational institutions :	(P)	(S)	(HS)	(VI)

			Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	02	01	-	-
		(v)	Names of villages with access to Primary Health Centre	No			
		(vi)	Names of villages with access to Veterinary Dispensary	No			
		(vii)	Names of villages with access to Post Office	No			
		(viii)	Names of villages with access to Banks	No			
		(ix)	Names of villages with access to Markets/ mandis	No			
		(x)	Names of villages with access to Agro-industries	No			
		(xi)	Total quantity of surplus milk deficit	240Lt.			
		(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	Yes			
		(xiv)	Any other facilities with names of villages (please specify)	No			

09	Samuhi	(i)	Name of villages connected to the main road by an all-weather road	Yes			
		(ii)	Village's Name provided with electricity	Yes			
		(iii)	No. of households without access to drinking water	No			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 01	(S) 01	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre	No			
		(vi)	Names of villages with access to Veterinary Dispensary	No			
		(vii)	Names of villages with access to Post Office	No			
		(viii)	Names of villages with access to Banks	No			
		(ix)	Names of villages with access to Markets/ mandis	No			
		(x)	Names of villages with access to Agro-industries	No			

		(xi)	Total quantity of surplus milk deficit	250Lt.			
		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U ) -	(S) 01	(PA) -	(O) 04
		(xiii)	Name of villages with access to Anganwadi Centre	Yes			
		(xiv)	Any other facilities with names of villages (please specify)	No			

10	Aswarmau	(i)	Name of villages connected to the main road by an all-weather road	No			
		(ii)	Village's Name provided with electricity	No			
	(iii)	No. of households without access to drinking water	No				
	(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 02	(S) 01	(HS) -	(VI) -	
	(v)	Names of villages with access to Primary Health Centre	No				
	(vi)	Names of villages with access to Veterinary Dispensary	No				
	(vii)	Names of villages with access to Post Office	No				
	(viii)	Names of villages with access to Banks	No				
	(ix)	Names of villages with access to Markets/ mandis	No				
	(x)	Names of villages with access to Agro-industries	No				
	(xi)	Total quantity of surplus milk deficit	260Lt.				
	(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U ) -	(S) 01	(PA) 01	(O) 04	
	(xiii)	Name of villages with access to Anganwadi Centre	No				
	(xiv)	Any other facilities with names of villages (please specify)	Co-operative Society				

11	Lahurimau Kasimpur	(i)	Name of villages connected to the main road by an all-weather road	Yes			
		(ii)	Village's Name provided with electricity	-			
		(iii)	No. of households without access to drinking water	-			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 01	(S) 01	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre	-			
		(vi)	Names of villages with access to Veterinary Dispensary	-			
		(vii)	Names of villages with access to Post Office	-			
		(viii)	Names of villages with access to Banks	-			
		(ix)	Names of villages with access to Markets/ mandis	-			
		(x)	Names of villages with access to Agro-industries	-			
		(xi)	Total quantity of surplus milk deficit	230Lt.			
		(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	Yes			
		(xiv)	Any other facilities with names of villages (please specify)	No			



Table No.3.9: DETAILS OF COMMON PROPERTY RESOURCES IN THE PROJECT AREA Project- IWMP IInd

1 S. No	2 Names of Gram Panchayat	3 Village	4 CPR Particulars	5 Total Area (ha) Area owned/ In possession of				6 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	Maduri	Gauri Ghatampur Maduri	Wasteland/ degraded land	41	-	-	-	33	-	-	-
			Pastures	-	2.00	-	-	-	-	-	-
			Orchards	-	-	-	-	-	-	-	-
			Village Woodlot	-	-	1.250	-	-	-	-	-
			Forest	-	-	-	-	-	-	-	-
			Village Ponds/ Tanks	-	-	1.025	-	-	-	-	-
			Community Buildings	-	-	0.450	-	-	-	-	-
			Weekly Markets	-	-	-	-	-	-	-	-
			Permanent markets	-	-	-	-	-	-	-	-
			Temples/ Places of worship	-	-	0.120	-	-	-	-	-
			Others (Pl. specify) Chauk Marg, Sector, Road Etc	-	-	5.155	-	-	-	-	-
<b>Total</b>			<b>41.00</b>	<b>2.00</b>	<b>8.00</b>	<b>-</b>	<b>33.00</b>	<b>-</b>	<b>-</b>	<b>-</b>	
2	Baripal	Baripal	Wasteland/ degraded land	70.00	-	23.00	-	31.00	-	-	-
			Pastures	-	-	-	-	-	-	-	-
			Orchards	-	-	-	-	-	-	-	-
			Village Woodlot	-	-	3.250	-	-	-	-	-
			Forest	-	-	-	-	-	-	-	-
			Village pond	-	-	2.150	-	-	-	-	-
			Community	-	-	1.650	-	-	-	-	-

			Buildings								
			Weekly Markets	-	-	1.570	-	-	-	-	-
			Permanent markets	-	-	0.580	-	-	-	-	-
			Temples/ Places of worship	-	-	0.340	-	-	-	-	-
			Others (Pl. specify) Chok mrag Sector, Road etc	-	-	6.4600	-	-	-	-	-
	<b>Total</b>			<b>70.00</b>		<b>39.00</b>		<b>31.00</b>			
3	Padri Ganadeen	Padri Ganadeen	Wasteland/ degraded land	39.00	-	21.00		9.00	-	-	-
			Pastures	-	2.00	-	-	-	-	-	-
			Orchards	-	-	-	-	-	-	-	-
			Village Woodlot	-	-	1.025	-	-	-	-	-
			Forest	-	-	-	-	-	-	-	-
			Village Ponds/ Tanks			0.750		-	-	-	-
			Community Buildings			0.445		-	-	-	-
			Weekly Markets			-		-	-	-	-
			Permanent markets			-		-	-	-	-
			Temples/ Places of worship			0.180		-	-	-	-
			Others (Pl. specify) Chok mrag Sector, Road etc			4.60		-	-	-	-
			Total	39.00	2.00	28.00		9.00	-	-	-
4	Bandh	Bandh	Pastures	17.00	-	-		9.00	-	-	-
			Orchards	-	-	-	-	-	-	-	-
			Village Woodlot	-	-	1.325	-	-	-	-	-
			Forest	-	-	-	-	-	-	-	-
			Village Ponds/ Tanks	-	-	0.650	-	-	-	-	-

			Community Buildings	-	-	0.375	-	-	-	-	-
			Weekly Markets	-	-	-	-	-	-	-	-
			Permanent markets	-	-	-	-	-	-	-	-
			Temples/ Places of worship	-	-	0.125	-	-	-	-	-
			Others (Pl. specify) Chok mrag Sector, Road etc	-	-	5.525	-	-	-	-	-
	<b>Total</b>			<b>17.00</b>		<b>8.00</b>	—	<b>9.00</b>	-	-	-
5	Sirsa	Sirsa	Wasteland/ degraded land	96.00		22.00		64.00			
			Pastures			-	-	-	-	-	-
			Orchards	-	-	-	-	-	-	-	-
			Village Woodlot	-	-	1.250	-	-	-	-	-
			Forest	-	-	-	-	-	-	-	-
			Village Ponds/ Tanks	-	-	1.250	-	-	-	-	-
			Community Buildings	-	-	0.475	-	-	-	-	-
			Weekly Markets	-	-	-	-	-	-	-	-
			Permanent markets	-	-	-	-	-	-	-	-
			Temples/ Places of worship	-	-	0.130	-	-	-	-	-
			Others (Pl. specify) Chok mrag Sector, Road etc	-	-	6.895	-	-	-	-	-
	<b>Total</b>			<b>96.00</b>		<b>32.00</b>	-	<b>64.00</b>	-	-	-
6	Maidhri	Maidhri	Wasteland/ degraded land	4.00	-	-	-	3.00	-	-	-
			Pastures	-	-	-	-	-	-	-	-
			Orchards	-	-	-	-	-	-	-	-
			Village Woodlot	-	-	0.200	-	-	-	-	-
			Forest	-	-	-	-	-	-	-	-

			Village Ponds/ Tanks	-	-	0.125	-	-	-	-	-
			Community Buildings	-	-	0.160	-	-	-	-	-
			Weekly Markets	-	-	-	-	-	-	-	-
			Permanent markets	-	-	-	-	-	-	-	-
			Temples/ Places of worship	-	-	-	-	-	-	-	-
			Others (Pl. specify) Chok mrag Sector, Road etc	-	-	0.515	-	-	-	-	-
	<b>Total</b>			<b>4.00</b>	-	<b>1.00</b>		<b>3.00</b>			
<b>7</b>	<b>Dharchhuwa</b>	<b>Dharchhuwa</b>	Wasteland/ degraded land	60	-	9.00	-	45.00			
			Pastures	-	1.00	-	-	-	-	-	-
			Orchards	-	-	-	-	-	-	-	-
			Village Woodlot	-	-	1.250	-	-	-	-	-
			Forest	-	--	-	-	-	-	-	-
			Village Ponds/ Tanks	-	-	0.450	-	-	-	-	-
			Community Buildings	-	-	0.260	-	-	-	-	-
			Weekly Markets	-	-	-	-	-	-	-	-
			Permanent markets	-	-	-	-	-	-	-	-
			Temples/ Places of worship	-	-	0.125	-	-	-	-	-
			Others (Pl. specify) Chok mrag Sector, Road etc	--	-	2.915			-	-	-
	<b>Total</b>			<b>60.00</b>	<b>1.00</b>	<b>14.00</b>	-	<b>45.00</b>	-	-	-
<b>8</b>	<b>Aswarmau</b>	<b>Aswarmau</b>	Wasteland/ degraded land	52.00	1.00	2.00	-	40.00	-	-	-
			Pastures	-	-	-	-		-	-	-
			Orchards	-	-	-	-		-	-	-

			Village Woodlot	-	-	1.350	-		-	-	-
			Forest	-	-	-	-		-	-	-
			Village Ponds/ Tanks	-	-	0.780	-		-	-	-
			Community Buildings	-	-	0.430	-				
			Weekly Markets	-	-	-	-				
			Permanent markets	-	-	-	-		-	-	-
			Temples/ Places of worship	-	-	0.180	-		-	-	-
			Others (Pl. specify) Chok mrag Sector, Road etc	-	-	6.260	-		-	-	-
	<b>Total</b>			<b>52.00</b>	<b>1.00</b>	<b>11.00</b>		<b>40.00</b>		-	-
9	Samuhi	Samuhi	Wasteland/ degraded land	412	-	341.00		45.00	-	-	-
			Pastures	-	3.00	-	-		-	-	-
			Orchards	-	-	-	-		-	-	-
			Village Woodlot	-	-	3.750	-		-	-	-
			Forest	-	-	-	-		-	-	-
			Village Ponds/ Tanks	-	-	1.280	-	-	-	-	-
			Community Buildings	-	-	-	-		-	-	-
			Weekly Markets	-	-	-	-		-	-	-
				-	-	-	-		-	-	-
			Permanent markets	-	-	-	-		-	-	-
			Temples/ Places of worship	-	-	0.240	-		-	-	-
			Others (Pl. specify) Chok mrag Sector, Road etc	-	-	17.73	-		-	-	-
			Total	412.00	3.00	364	-	45.00			

10	Sidhoul	Sidhoul	Wasteland/ degraded land	31.00	-	4.250	-	15.00			
			Pastures	-	-	-	-	-	-	-	-
			Orchards	-	-	-	-	-	-	-	-
			Village Woodlot	-	-	2.150	-	-	-	-	-
			Forest	-	-	-	-	-	-	-	-
			Village Ponds/ Tanks	-	-	0.750	-	-	-	-	-
			Community Buildings	-	-	0.480	-	-	-	-	-
			Weekly Markets	-	-	-	-	-	-	-	-
			Permanent markets	-	-	-	-	-	-	-	-
			Temples/ Places of worship	-	-	0.160	-	-	-	-	-
			Others (Pl. specify) Chok mrag Sector, Road etc	-	-	8.21	-	-	-	-	-
			Total	31.00	-	16.00	-	15.00	-	-	-
11	Lahurimau Kasimpur		Wasteland/ degraded land	313	3.00	107.00		186.00	-	-	-
			Pastures			-			-	-	-
			Orchards			-			-	-	-
			Village Woodlot			2.750			-	-	-
			Forest			-					
			Village Ponds/ Tanks			1.240		-			
			Community Buildings			0.820			-	-	-
			Weekly Markets			-			-	-	-
			Permanent markets			-			-	-	-

			Temples/ Places of worship			0.450			-	-	-
			Others (Pl. specify) Chok mrag Sector, Road etc			11.74			-	-	-
			Total	313	3.00	124.00		186.00	-	-	-

**Table-3.10 Irrigation Status - Project- IWMP IInd**

S. No	Name of GP	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	2	3	4	5	6	7	8	9	10	11	12	13	14
01	Maduri	Gauri Ghatampur Maduri	190.00	263.00	-	453.00	324.00	-	27.00	-	27.00	27.00	297.00
02	Baripal	Baripal	250.00	338.00	-	588.00	420.00	--	51.00	-	51.00	51.00	369.00
03	PadriGanga deen	PadriGanga deen	225.00	302.00	-	527.00	377.00	-	46.00	-	46.00	46.00	331.00
04	Bandh	Bandh	135.00	185.00	-	320.00	228.00	-	37.00	-	37.00	37.00	191.00
05	Sirsa	Sirsa	310.00	416.00	-	726.00	519.00	-	73.00	-	73.00	73.00	446.00
06	Sidhoul	Sidhoul	160.00	215.00	-	375.00	269.00	-	34.00	-	34.00	34.00	235.00
07	Maidhari	Kandhouli	12.00	16.00	-	28.00	20.00	-	3.00	--	3.00	3.00	17.00
08	Dharchhuwa	Dharchhuwa	140.00	187.00	-	327.00	233.00	-	28.00	-	28.00	28.00	205.00
09	Aswarmau	Aswarmau	125.00	167.00	-	292.00	209.00	-	19.00	-	19.00	19.00	190.00
10	Samuhi	Samuhi	544.00	726.00	-	1270.00	908.00	-	35.00	-	35.00	35.00	873.00

11	Lahurimau Kasimpur	Bagriya Lahurimau Kasimpur	167.00	233.00	-	400.00	279.00	-	45.00	-	45.00	45.00	234.00
		<b>Total</b>	<b>2258.00</b>	<b>3048.00</b>		<b>5306.00</b>	<b>3786.00</b>		<b>398.00</b>	-	<b>398.00</b>	<b>402.00</b>	<b>3388</b>

**Table No. 3.11 : Source wise Area Irrigated:-**

**Area in ha**

S. No.	Name of Gram Panchayat	Name of Village	Canal Area	State Tube wells		Tanks		Open well		Bore wells		Lift irrigation		Others (Specify)		Total Irrigated Area	Remarks
				No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
01	Maduri	Gauri Ghatampur Maduri	--	1	10.00	-	-	-	-	02	17.00	-	-	-	-	27.00	-
02	Baripal	Baripal	-	3	21.00	-	-	-	-	04	30.00	-	-	-	-	51.00	-
03	PadriGanga deen	PadriGanga deen	--	2	12.00	-	-	-	-	05	34.00	-	-	-	-	46.00	-
04	Bandh	Bandh	--	1	10.00	-	-	-	-	03	27.00	-	-	-	-	37.00	-
05	Sirsa	Sirsa	-	3	50.00	-	-	-	-	02	23.00	-	-	-	-	73.00	-
06	Sidhoul	Sidhoul	--	3	26.00	-	-	-	-	01	08.00	-	-	-	-	34.00	-
07	Maidhari	Kandhouli	--	-	-	-	-	-	-	01	3.00	-	-	-	-	3.00	--
08	Dharchhuwa	Dharchhuwa	-	2	14.00	-	-	-	-	03	14.00	-	-	-	-	28.00	-
09	Aswarmau	Aswarmau	--	01	12.00	-	-	-	-	01	07.00	-	-	-	-	19.00	-
10	Samuhi	Samuhi	--	02	24.00	-	-	-	-	01	09.00	-	-	-	-	35.00	-



11	Lahurimau Kasimpur	Bagriya Lahurimau Kasimpur	-	-	-	-	-	-	-	03	45.00	-	-	-	-	45.00	-
		Total	--	18	179	-	-	-	-	26	217	-	-	-	-	398.00	-

**3.3 Major Crops, its Productivity and Productio----**Micro-watershed wise grown crops, their productivity and production under irrigated and rainfed condition is given in Table 3.12 As far as productivity of cereals is concerned, it is significantly lower than the state average.

**Table.3.12- Name of GP- 01 Maduri**

S.No	Crop.	Area in (Ha.)		Productivity Qtl./Ha		Production (Qtl.)				Remarks
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/ other Product.		
						Irrigated	Rainfed	Irrigated	Rainfed	
<b>A</b>	<b>Kharif</b>	-	-	-	-	-	-	-	-	-
1	Rice	-	-	-	-	-	-	-	-	-
2	Maze	-	-	-	-	-	-	-	-	-
3	Arhar/Jwar	-	7.60	-	5.40	-	41.04	-	61.56	-
4	Urd/Mung	-	5.70	-	4.25	-	24.23	-	-	-
5	Jwar	-	3.80	-	2.40	-	9.12	-	13.68	-
6	Till	-	1.90	-	5.20	-	9.88	-	14.82	-
	<b>Total</b>	-	<b>19.00</b>	-	-	-	<b>77.265</b>	-	<b>90.06</b>	-
<b>B</b>	<b>Rabi</b>	-	-	-	-	-	-	-	-	-
1	Wheat	27.00	105.20	18.50	12.50	499.50	1315.00	749.25	1972.50	-
2	Barley	-	13.15	-	10.60	-	139.39	-	209.08	-
3	Masoor	-	-	-	-	-	-	-	-	-
4	Gram	-	78.90	-	5.30	-	418.17	-	418.17	-
5	Pea	-	26.30	-	4.50	-	118.35	-	118.35	-
6	Mustard	-	39.45	-	7.75	-	305.73	-	305.73	-
7	Potato	-	-	-	-	-	<b>2296.64</b>	-	<b>3023.83</b>	-
8	vegetables (Cropwise)	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>27.00</b>	<b>263.00</b>	-	-	-	-	-	-	-
<b>C</b>	<b>Zaid</b>	-	-	-	-	-	-	-	-	-
1	vegetables (Cropwise)	-	-	-	-	-	-	-	-	-
2	Fodder	-	-	-	-	-	-	-	-	-

3	Urd/Mung	-	-	-	-	-	-	-	-	-
4	Sugarcane	-	-	-	-	-	-	-	-	-
..		-	-	-	-	-	-	-	-	-

Name of GP: 02 Baripal

Area in ha

S.No	Crop.	Area in (Ha.)		Productivity Qtl./Ha		Production (Qtl.)				Remarks
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/ other Product.		
						Irrigated	Rainfed	Irrigated	Rainfed	
<b>A</b>	<b>Kharif</b>	-	-	-	-	-	-	-	-	-
1	Rice	-	-	-	-	-	-	-	-	-
2	Maze	-	-	-	-	-	-	-	-	-
3	Arhar / Jwar	-	100.00	-	5.40	-	540.00	-	810.00	
4	Urd/Mung	-	75.00	-	4.25	-	318.75	-	-	
5	Til	-	50.00	-	2.40	-	120.00	-	180.00	
6	Jwar	-	25.00	-	5.20	-	130.00	-	195.00	
	<b>Total</b>	-	<b>250.00</b>	-	-	-	<b>1108.75</b>	-	<b>1185.00</b>	
<b>B</b>	<b>Rabi</b>	-	-	-	-	-	-	-	-	
1	Wheat	51.00	135.20	18.60	12.50	948.60	1690.00	1422.90	2535.00	
2	Barley	-	19.90	-	10.60	-	210.94	-	316.00	
3	Masoor	-	-	-	-	-	-	-	-	
4	Gram	-	101.40	-	5.30	-	537.42	-	537.42	
5	Pea	-	33.80	-	4.50	-	152.10	-	152.10	
6	Mustard	-	50.70	-	7.75	-	392.92	-	392.92	
7	Potato	-	-	-	-	-	-	-	-	
8	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
9	Fodder	-	-	-	-	-	-	-	-	
10	Linseed	-	-	-	-	-	-	-	-	
	<b>Total</b>	<b>51.00</b>	<b>338.00</b>	-	-	-	<b>2983.38</b>	-	<b>3933.44</b>	
<b>C</b>	<b>Zaid</b>	-	-	-	-	-	-	-	-	
1	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
2	Fodder	-	-	-	-	-	-	-	-	
3	Urd/Mung	-	-	-	-	-	-	-	-	
4	Sugarcane	-	-	-	-	-	-	-	-	

Name of GP - 03 Padri Gangadeen

Area in ha

S.No	Crop.	Area in (Ha.)		Productivity Qtl./Ha		Production (Qtl.)				Remarks
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/ other Product.		
						Irrigated	Rainfed	Irrigated	Rainfed	
<b>A</b>	<b>Kharif</b>	-	-	-	-	-	-	-	-	
1	Rice	-	-	-	-	-	-	-	-	
2	Maze	-	-	-	-	-	-	-	-	
3	Arhar Jwar	-	90.00	-	5.40	-	486.00	-	729.00	
4	Urd/Mung	-	67.50	-	4.25	-	286.87	-	-	
5	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
6	Fodder	-	-	-	-	-	-	-	-	
7	Til	-	45.00	-	2.40	-	108.00	-	162.00	
8	Jwar	-	22.50	-	5.20	-	117.00	-	175.50	
	<b>Total</b>	-	<b>225.00</b>	-	-	-	<b>997.87</b>	-	<b>1066.50</b>	
<b>B</b>	<b>Rabi</b>	-	-	-	-	-	-	-	-	
1	Wheat	46.00	120.80	18.55	12.55	853.30	1516.04	1279.95	2274.06	
2	Barley		15.10	-	10.60	-	160.06	-	240.09	
3	Masoor	-	-	-	-	--	-	-	-	
4	Gram	-	90.60	-	5.30	-	480.18	-	480.18	
5	Pea	-	30.20	-	4.50	-	135.90	-	135.90	
6	Mustard	-	45.30	-	7.75	-	351.07	-	351.07	
7	Potato	-	-	-	-	-	-	-	-	
8	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
9	Fodder	-	-	-	-	-	-	-	-	
10	Linseed	-	-	-	-	-	-	-	-	
	<b>Total</b>	46.00	<b>302.00</b>				<b>2643.25</b>		<b>3481.30</b>	
<b>C</b>	<b>Zaid</b>	-	-	-	-	-	-	-	-	
1	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
2	Fodder	-	-	-	-	-	-	-	-	
3	Urd/Mung	-	-	-	-	-	-	-	-	
4	Sugarcane	-	-	-	-	-	-	-	-	

Name of GP: -04 Bandh

Area in ha

S.No	Crop.	Area in (Ha.)		Productivity Qtl./Ha		Production (Qtl.)				Remarks
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/ other Product.		
						Irrigated	Rainfed	Irrigated	Rainfed	
<b>A</b>	<b>Kharif</b>	-	-	-	-	-	-	-	-	
1	Rice	-	-	-	-	-	-	-	-	
2	Maze	-	-	-	-	-	-	-	-	
3	Arhar Jwar	-	54.00	-	5.40	-	291.60	-	437.40	
4	Urd/Mung	-	40.50	-	4.25	-	172.12	-	-	
5	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
6	Fodder	-	-	-	-	-	-	-	-	
7	Til	-	27.00	-	2.40	-	64.80	-	97.20	
8	Jwar	-	13.50	-	5.20	-	70.20	-	105.30	
	<b>Total</b>	-	<b>135.00</b>	-	-	-	<b>598.72</b>	-	<b>639.90</b>	
<b>B</b>	<b>Rabi</b>	-	-	-	-	-	-	-	-	
1	Wheat	37.00	74.00	18.50	12.60	684.50	932.40	1026.75	1398.60	
2	Barley	-	9.25	-	10.60	-	98.05	-	-	
3	Masoor	-	-	-	-	-	-	-	-	
4	Gram1	-	55.50	-	5.30	-	294.15	-	294.15	
5	Pea	-	18.50	-	4.50	-	83.25	-	83.25	
6	Mustard	-	27.75	-	7.75	-	215.06	-	215.06	
7	Potato	-	-	-	-	-	-	-	-	
8	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
9	Fodder	-	-	-	-	-	-	-	-	
10	Linseed	-	-	-	-	-	-	-	-	
	<b>Total</b>	37.00	<b>185.00</b>	-	-	-	<b>1622.91</b>	-	<b>1991.06</b>	
<b>C</b>	<b>Zaid</b>	-	-	-	-	-	-	-	-	
1	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
2	Fodder	-	-	-	-	-	-	-	-	
3	Urd/Mung	-	-	-	-	-	-	-	-	
4	Sugarcane	-	-	-	-	-	-	-	-	
..		-	-	-	-	-	-	-	-	

Name of G P: - 05 Sirsa

Area in ha

S.No	Crop.	Area in (Ha.)		Productivity Qtl./Ha		Production (Qtl.)				Remarks
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/ other Product.		
						Irrigated	Rainfed	Irrigated	Rainfed	
<b>A</b>	<b>Kharif</b>	-	-	-	-	-	-	-	-	
1	Rice	-	-	-	-	-	-	-	-	
2	Maze	-	-	-	-	-	-	-	-	
3	Arhar Jwar	-	124.00	-	5.30	-	657.20	-	985.80	
4	Urd/Mung	-	93.00	-	4.50	-	418.50	-	-	
5	Vegetables (Cropwise)	-	-	-	-	-	-	-	-	
6	Fodder	-	-	-	-	-	-	-	-	
7	Til	-	62.00	-	2.50	-	155.50	-	232.50	
8	Jwar	-	31.00	-	5.25	-	162.75	-	244.12	
	<b>Total</b>	-	<b>310.00</b>	-	-	-	<b>1393.95</b>	-	<b>1462.42</b>	
<b>B</b>	<b>Rabi</b>	-	-	-	-	-	-	-	-	
1	Wheat	73.00	166.40	18.60	12.55	1357.80	2088.32	2036.70	3132.48	
2	Barley	-	20.80	-	10.65	-	221.52	-	332.28	
3	Masoor	-	-	-	-	-	-	-	-	
4	Gram	-	124.00	-	5.45	-	675.80	-	675.80	
5	Pea	-	41.60	-	4.60	-	191.30	-	191.30	
6	Mustard	-	62.40	-	7.80	-	486.72	-	486.72	
7	Potato	-	-	-	-	-	-	-	-	
8	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
9	Fodder	-	-	-	-	-	-	-	-	
10	Linseed	-	-	-	-	-	-	-	-	
	<b>Total</b>	<b>73.00</b>	<b>416.00</b>	-	-	-	<b>3663.66</b>	-	<b>4818.58</b>	
<b>C</b>	<b>Zaid</b>	-	-	-	-	-	-	-	-	
1	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
2	Fodder	-	-	-	-	-	-	-	-	
3	Urd/Mung	-	-	-	-	-	-	-	-	
4	Sugarcane	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	

Name of GP: -06 Sidhoul

S.No	Crop.	Area in (Ha.)		Productivity Qtl./Ha		Production (Qtl.)				Remarks
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/ other Product.		
						Irrigated	Rainfed	Irrigated	Rainfed	
<b>A</b>	<b>Kharif</b>	-	-	-	-	-	-	-	-	
1	Rice	-	-	-	-	-	-	-	-	
2	Maze	-	-	-	-	-	-	-	-	
3	Arhar + Jwar	-	64.00	-	5.40	-	345.60	-	518.40	
4	Urd/Mung	-	48.00	-	4.25	-	204.00	-	-	
5	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
6	Fodder	-	-	-	-	-	-	-	-	
7	Til	-	32.00	-	2.40	-	76.80	-	115.20	
8	Jwar	-	16.00	-	5.20	-	83.20	-	124.80	
	<b>Total</b>	-	<b>160.00</b>	-	-	-	<b>909.60</b>	-	<b>758.40</b>	
<b>B</b>	<b>Rabi</b>	-	-	-	-	-	-	-	-	
1	Wheat	34.00	86.00	18.65	12.60	634.10	1083.60	911.15	1625.40	
2	Barley	-	10.75	-	10.60	-	113.95	-	170.90	
3	Masoor	-	-	-	-	-	-	-	-	
4	Gram	-	64.50	-	5.30	-	341.85	-	341.85	
5	Pea	-	21.50	-	4.50	-	96.75	-	96.75	
6	Mustard	-	32.25	-	7.75	-	233.81	-	233.81	
7	Potato	-	-	-	-	-	-	-	-	
8	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
9	Fodder	-	-	-	-	-	-	-	-	
10	Linseed	-	-	-	-	-	-	-	-	
	<b>Total</b>	34.00	<b>215.00</b>	-	-	-	<b>1869.96</b>	-	<b>2468.73</b>	
<b>C</b>	<b>Zaid</b>	-	-	-	-	-	-	-	-	
1	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
2	Fodder	-	-	-	-	-	-	-	-	
3	Urd/Mung	-	-	-	-	-	-	-	-	
4	Sugarcane	-	-	-	-	-	-	-	-	

Name of GP: 07 Madhri

S.No	Crop.	Area in (Ha.)		Productivity Qtl./Ha		Production (Qtl.)				Remarks
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/ other Product.		
						Irrigated	Rainfed	Irrigated	Rainfed	
<b>A</b>	<b>Kharif</b>	-	-	-	-	-	-	-	-	
1	Rice	-	-	-	-	-	-	-	-	
2	Maze	-	-	-	-	-	-	-	-	
3	Arhar Jwar	-	4.80	-	5.40	-	25.92	-	38.88	
4	Urd/Mung	-	3.60	-	4.25		15.30		-	
5	vegetables (Cropwise)	-	-	-	-		-		-	
6	Jwar	-	2.40	-	2.50	-	6.00	--	9.00	
7	Til	-	1.20	-	5.30		6.36		9.54	
	<b>Total</b>	-	<b>12.00</b>	-			<b>53.58</b>		<b>57.42</b>	
<b>B</b>	<b>Rabi</b>	-		-	-	-	-	-	-	
1	Wheat	3.00	6.40	18.60	12.55	55.80	80.32	83.70	120.48	
2	Barley	-	0.80	-	10.50	-	8.40	-	12.60	
3	Masoor	-	-	-	-	-	-	-	-	
4	Gram	-	4.80	-	5.50	--	26.40	-	26.40	
5	Pea	-	1.60	-	4.40	-	7.04	-	7.04	
6	Mustard	-	2.40	-	7.70	-	18.48	-	18.48	
7	Potato	-	-	-	-	-	-	-	-	
8	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
9	Fodder	-	-	-	-	-	-	-	-	
10	Linseed	-	-	-	-	-	-	-	-	
	<b>Total</b>	3.00	<b>16.00</b>	-	-	-	<b>140.64</b>	--	<b>185.06</b>	
<b>C</b>	<b>Zaid</b>	-	-	-	-	-	-	-	-	
1	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
2	Fodder	-	-	-	-	-	-	-	-	
3	Urd/Mung	-	-	-	-	-	-	-	-	
4	Sugarcane	-	-	-	-	-	-	-	-	

Name of GP: 08 Dharchuwa

Area in ha

S.No	Crop.	Area in (Ha.)		Productivity Qtl./Ha		Production (Qtl.)				Remarks
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/ other Product.		
						Irrigated	Rainfed	Irrigated	Rainfed	
<b>A</b>	<b>Kharif</b>	-	-	-	-	-	-	-	-	
1	Rice	-	-	-	-	-	-	-	-	
2	Maze	-	-	-	-	-	-	-	-	
3	Arhar Jwar	-	56.00	-	5.45	-	305.20	-	457.80	
4	Urd/Mung	-	42.00	-	4.30	-	180.60	-	-	
5	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
6	Jwar	-	28.00	-	2.45	-	68.60	-	102.90	
7	Til	-	14.00	-	5.30	-	74.20	-	111.30	
	<b>Total</b>	-	<b>140.00</b>	-	-	-	<b>628.60</b>	-	<b>672.00</b>	
<b>B</b>	<b>Rabi</b>	-	-	-	-	-	-	-	-	
1	Wheat	28.00	74.00	18.65	12.65	522.20	936.10	783.30	1404.15	
2	Barley	-	9.35	-	10.75	-	100.51	-	150.76	
3	Masoor	-	-	-	-	-	-	-	-	
4	Gram	-	56.10	-	5.40	-	302.94	-	302.94	
5	Pea	-	18.70	-	4.40	-	82.28	-	82.28	
6	Mustard	-	28.05	-	7.80	-	218.79	-	218.79	
7	Potato	-	-	-	-	-	-	-	-	
8	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
9	Fodder	-	-	-	-	-	-	-	-	
10	Linseed	-	-	-	-	-	-	-	-	
	<b>Total</b>	28.00	<b>187.00</b>	-	-	-	<b>1640.55</b>	-	<b>2158.85</b>	
<b>C</b>	<b>Zaid</b>	-	-	-	-	-	-	-	-	
1	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
2	Fodder	-	-	-	-	-	-	-	-	
3	Urd/Mung	-	-	-	-	-	-	-	-	
4	Sugarcane	-	-	-	-	-	-	-	-	



Name of GP: 09 Aswarmau

Area in ha

S.No	Crop.	Area in (Ha.)		Productivity Qtl./Ha		Production (Qtl.)				Remarks
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/ other Product.		
						Irrigated	Rainfed	Irrigated	Rainfed	
<b>A</b>	<b>Kharif</b>	-	-	-	-	-	-	-	-	
1	Rice	-	-	-	-	-	-	-	-	
2	Maze	-	-	-	-	-	-	-	-	
3	Arhar Jwar		50.00		5.50		275.00		412.50	
4	Urd/Mung		37.00		4.40		165.00		-	
5	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
6	Jwar		25.00		2.50		62.50		93.75	
7	Til		12.50		5.30		66.25		99.37	
	<b>Total</b>		<b>125.00</b>				<b>568.75</b>		<b>605.62</b>	
<b>B</b>	<b>Rabi</b>	-	-	-	-	-	-	-	-	
1	Wheat	19.00	66.80	18.60	12.60	353.40	841.68	530.10	1262.52	
2	Barley		8.35		10.70		89.34		134.01	
3	Masoor	-	-	-	-	-	-	-	-	
4	Gram		50.10		5.40		270.54		270.54	
5	Pea		16.70		4.60		76.82		76.82	
6	Mustard		25.05		7.80		195.39		195.39	
7	Potato	-	-	-	-	-	-	-	-	
8	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
9	Fodder	-	-	-	-	-	-	-	-	
10	Linseed	-	-	-	-	-	-	-	-	
	<b>Total</b>	<b>19.00</b>	<b>167.00</b>				<b>1473.77</b>		<b>1939.28</b>	
<b>C</b>	<b>Zaid</b>	-	-	-	-	-	-	-	-	
1	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
2	Fodder	-	-	-	-	-	-	-	-	
3	Urd/Mung	-	-	-	-	-	-	-	-	
4	Sugarcane	-	-	-	-	-	-	-	-	

Name of GP: 10 Samuhi

S.No	Crop.	Area in (Ha.)		Productivity Qtl./Ha		Production (Qtl.)				Remarks
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/ other Product.		
						Irrigated	Rainfed	Irrigated	Rainfed	
<b>A</b>	<b>Kharif</b>	-	-	-	-	-	-	-	-	
1	Rice	-	-	-	-	-	-	-	-	
2	Maze	-	-	-	-	-	-	-	-	
3	Arhar Jwar		217.60		5.45		1185.92		1778.88	
4	Urd/Mung		163.20		4.30		701.76		-	
5	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
6	Jwar		108.80		2.45		266.56		399.84	
7	Til		54.40		5.30		288.32		432.48	
	<b>Total</b>		<b>544.00</b>				<b>2442.56</b>		<b>2611.20</b>	
<b>B</b>	<b>Rabi</b>	-	-	-	-	-	-	-	-	
1	Wheat	35.00	290.40	18.65	12.60	652.75	3659.04	979.12	5488.56	
2	Barley		36.30		10.65		386.59		579.88	
3	Masoor	-	-	-	-	-	-	-	-	
4	Gram		217.80		5.40		1176.12		1176.12	
5	Pea		72.60		4.55		330.33		330.33	
6	Mustard		108.90		7.80		849.42		849.42	
7	Potato	-	-	-	-	-	-	-	-	
8	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
9	Fodder	-	-	-	-	-	-	-	-	
10	Linseed	-	-	-	-	-	-	-	-	
	<b>Total</b>	<b>35.00</b>	<b>726.00</b>				<b>6401.50</b>		<b>8424.31</b>	
<b>C</b>	<b>Zaid</b>	-	-	-	-	-	-	-	-	
1	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
2	Fodder	-	-	-	-	-	-	-	-	
3	Urd/Mung	-	-	-	-	-	-	-	-	

Name of GP: 11 Lahurimau Kasimpur

Area in ha

S.No	Crop.	Area in (Ha.)		Productivity Qtl./Ha		Production (Qtl.)				Remarks
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product		Fodder/Fuel/ other Product.		
						Irrigated	Rainfed	Irrigated	Rainfed	
<b>A</b>	<b>Kharif</b>	-	-	-	-	-	-	-	-	
1	Rice	-	-	-	-	-	-	-	-	
2	Maze	-	-	-	-	-	-	-	-	
3	Arhar Jwar		66.80		5.35		357.38		536.07	
4	Urd/Mung		50.10		4.20		210.42		-	
5	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
6	Jwar		33.40		2.45		81.83		122.74	
7	Til		16.70		5.30		88.51		132.76	
	<b>Total</b>		<b>167.00</b>				<b>738.14</b>		<b>791.57</b>	
<b>B</b>	<b>Rabi</b>	-	-	-	-	-	-	-	-	
1	Wheat	45.00	93.20	18.55	12.45	834.75	1160.34	1252.12	1740.51	
2	Barley		11.65		10.55		122.90		184.35	
3	Masoor	-	-	-	-	-	-	-	-	
4	Gram		69.90		5.25		366.97		366.97	
5	Pea		23.30		4.10		95.53		95.53	
6	Mustard		34.95		7.70		269.11		269.11	
7	Potato	-	-	-	-	-	-	-	-	
8	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
9	Fodder	-	-	-	-	-	-	-	-	
10	Linseed	-	-	-	-	-	-	-	-	
	<b>Total</b>	<b>45.00</b>	<b>233.00</b>				<b>2014.85</b>		<b>2656.47</b>	
<b>C</b>	<b>Zaid</b>	-	-	-	-	-	-	-	-	
1	vegetables (Cropwise)	-	-	-	-	-	-	-	-	
2	Fodder	-	-	-	-	-	-	-	-	
3	Urd/Mung	-	-	-	-	-	-	-	-	
4	Sugarcane	-	-	-	-	-	-	-	-	

**Table .3.13 Summery of cropping pattern GP wise that mentioned as above**

<b>Name of Gram Panchayat</b>	<b>Maduri</b>	<b>Baripal</b>	<b>Padri Gangadeen</b>	<b>Bandh</b>	<b>Sirsa</b>	<b>Maidhri</b>	<b>Dharchhuwa</b>
<b>Name of Vill.</b>	<b>Maduri</b>	<b>Baripal</b>	<b>Padri Gangadeen</b>	<b>Bandh</b>	<b>Sirsa</b>	<b>Maidhri</b>	<b>Dharchhuwa</b>
<b>Food Production (Qtls.)</b>							
a. Cereals	2004.81	2978.60	2646.40	1785.15	3830.39	150.88	1633.01
b. Pulses -	560.74	1548.27	1259.84	841.12	1982.46	74.66	871.02
c. Oilseeds -	314.85	512.92	459.07	279.86	641.72	24.48	287.39
d. Potato -	-	-	-	-	-	-	-
e- others	-	-	-	-	-	-	-
<b>Total for the project</b>							
<b>Fodder Production (Qtls.)</b>							
a. Dry Foder	3863.14	6541.34	5827.75	3657.71	8317.70	326.12	3614.22
b. Green Fodder	-	-	-	-	-	-	-
<b>Fuel Production</b>							
Arhar+Mustard Plants	222.00	597.06	537.72	324.00	732.10	28.41	335.35
<b>Sugarcane</b>							
Crop Intensity of the watershed				-			
Net Area Shown	324.00	420.00	377.00	228.00	519.00	20.00	233.00
Gross Area Shown	480.00	639.00	573.00	357.00	799.00	31.00	355.00
<b>Crop intensity of the water shed</b>	<b>148%</b>	<b>152%</b>	<b>151%</b>	<b>156%</b>	<b>153%</b>	<b>155%</b>	<b>152%</b>

**Table .3.13 Summery of cropping pattern GP wise that mentioned as above**

Name of Gram Panchayat	Aswarmau	Samuhi	Lahuri Kasimpur	Sidhoul
Name of Vill.	Aswarmau	Samuhi	Lahuri Kasimpur	Sidhoul
<b>Food Production (Qtls.)</b>				
a. Cereals	1350.62	4986.76	2206.50	1914.85
b. Pulses -	787.36	3394.12	1030.30	988.20
c. Oilseeds -	257.89	1115.98	350.94	310.61
d. Potato -	-	-	-	-
e- others	-	-	-	-
<b>Total for the project</b>				
<b>Fodder Production (Qtls.)</b>				
a. Dry Foder	3075	12014.63	4700.16	4138.28
b. Green Fodder	-	-	-	-
<b>Fuel Production</b>				
Arhar+Mustard Plants	301.04	1302.61	400.95	370.82
<b>Sugarcane</b>				
Crop Intensity of the watershed				-
Net Area Shown	209.00	908.00	279.00	269.00
Gross Area Shown	311.00	1305.00	445.00	409.00
<b>Crop intensity of the water shed</b>	<b>148%</b>	<b>147%</b>	<b>159%</b>	<b>152%</b>

**Crop Calendar:** The present crop calendar in the watershed comprises of Jawar Makka, Wheat-musturd gram-fallow-mungh are the most prevailing crops. Fallow-wheat ,fallow-gram, fallow-lentil, Arhar + Jawar are the most prevailing crop rotation on the agricultural lands both in rainfed and irrigated condition in the watershed. Organized vegetable cultivation, fruit plantation and traditional agro-forestry system are lacking widely in the watershed. The limited vegetable cultivation in the watershed is confined either to kitchen gardens or to be irrigated conditions in a scattered manner on extremely small area with view to meet out the domestic demand for vegetables. The cultivation of each crop other than the Wheat-Paddy Makka-jwar, also lacks in the watershed.

**Depending on forest for fuel wood and fodder**

(A) **Fuel wood:** Some villagers of the selected village are using LPG to meet their cooking energy requirements. The main source of fuel is form cow dung cake, woody stem of Arhar crop and Mustard. About 70 to 80 percent of the domestic energy requirement is met from the Agro By-Product and cow dung cake. Rest is met out from outside of the village and watershed boundary.

(B) **Fodder:** There is shortage of green fodder in winter and summer due to inadequate irrigation facility.

**Table 3.14 : Forest, vegetative cover/grassland in IWMP-IIInd , Kanpur nagar**

S. No.	Name of GP	MWS Code	Name of Village	Forest (Area ha)			Grass Land (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	10	11
1	Maduri	2C4C1d1d 2C4C1d1d	Gauri Ghatampur Maduri	-	-	-	2.00	-	-	-
2	Baripal	2C4C1d1e 2C4C1d1f 2C4C1d1d	Baripal	-	-	-	-	-	-	-
3	PadriGanga deen	2C4C1d1d 2C4C1d1f	PadriGanga deen	-	-	-	2.00	-	-	-
4	Bandh	2C4C1d1e 2C4C1d1f 2C4C1e3d	Bandh	-	-	-	-	-	-	-
5	Sirsa	2C4C1d1e 2C4C1d1f 2C4C1e3a	Sirsa	-	-	-	-	-	-	-
6	Sidhoul	2C4C1d1f 2C4C1e3a	Sidhoul	-	-	-	10.00	-	-	-

		2C4C1e3d								
7	Maidhari	2C4C1d1f	Kandhouli	-	-	-	-	-	-	-
8	Dharchhuwa	2C4C1d1f 2C4C1e3a	Dharchhuwa	-	-	-	1.00	-	-	-
9	Aswarmau	2C4C1e2e 2C4C1e2f	Aswarmau	-	-	-	-	-	-	-
10	Samuhi	2C4C1e2e 2C4C1e2f 2C4C1e2g	Samuhi	-	-	-	3.00	-	-	-
11	Lahurimau Kasimpur	2C4C1e3a 2C4C1e3d 2C4C1e3a	Bagriya Lahurimau Kasimpur	-	-	-	3.00	-	-	-
			<b>Total</b>				21.00			

**Soil Characteristics and Fertility Status:**--two types of soils are in the watershed area. The fertility status is about normal range. After receiving the analysis report of the soil sample effort will be made to motivate the farmers to use nutrients and micronutrients accordingly. Demonstration of crop in Kharif and Rabi both seasons has been proposed under agriculture production activity.

**Land Capability Classification (LCC):**---Land capability classification(LCC) is crucial for appropriate land use planting consisting of practiced like choice of vegetation /crops, tillage practices, use of scientific method of cultivation and desirous conservation practices , Detailed LCC Survey carried out in the Non River watershed broughtout the prevailing LCCclasses as I,II,III,IV.

### Area Under Various LCC Classes Non River Watershed

LCC class	Area ha
I	--
II	3491.00
III	980.00
IV	1362.00
<b>Total</b>	<b>5833.00</b>

**Table 3.15 : Details of Soil texture in IWMP-II ,Kanpur nagar**

S. No.	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 ...	TOTAL
1	-	3346	522	-	3868

**Conclusion:** The land capability classification of the Non River watershed provides reasonable good information with regard to capability of soil, that could be used for agriculture, agri-horticulture & silvi-culture development. The majority of land form is coming under class II, which give an insight of good agriculture production potential of these watersheds. The productivity of these lands could be further enhanced by adoption of simple soil & water conservation measures like contour bunding *in-situ* moisture conservation practices. In class III submergence bund, marginal and peripheral bund are planned and in class IV, gully plugging structures, earthen check dam and water harvesting bunds are proposed with permanent Pucca Drop Spill Way structures.

### **Agriculture including area , Productivity, Cropping intensity etc:-**

**Agriculture:** Various agriculture land uses in the watershed are extended to diversified land capabilities starting from marginal to good class II and lands. The watershed distinctly has two types of land i.e. leveled & slopy and degraded . The agriculture is practiced on all these soil types though the productivity considerably varies. The total area in agriculture in the watershed is about 3791 ha out of which 403 ha is irrigated while 3388 ha is under rain fed agriculture. The operation of tube wells for irrigation of agricultural crops frequently leads to the drinking water problem to the farmers for watershed. Drinking water is not in form of good Quality.

The agricultural soils in the watershed have diversified texture i.e. Sandy loam & Loam founded in the watershed. The irrigation water is conveyed in earthen channels and surface irrigation methods following mainly border method of free flooding method of irrigation by farmers in the watershed. The factors substantially reduce the water use efficiency of limited available and valuable irrigation water in the watershed.

Rehabilitation of waste lands with suitable multipurpose tree, promoting agro foresting on agricultural lands with appropriate fruit and forest species, suitable vegetative barriers on sloping lands can of high future value in meeting out not only fire wood and fodder demands in the watershed but also for soil and water conservation, Rehabilitation of wasteland and substantial income generation for socio-economic uplift of farmers in the watershed.

### **One Year Crop Rotation:-**

**Single Cropping:** Maize, Fallow-wheat,



**Double Cropping:** Maize - Lentil, Arhar + Jowar, Maiz-Wheat, Paddy-Gram, Maize-Potato.

**Irrigated Agriculture:-**

**One Year Crop Rotation:** - Maiz-- wheat, Urad/Moong-Potato, Jowar-Arahar, Paddy-Gram, Paddy-Lentil, Maize-Potato.

**Crop Productivity:** Food crop production is a major land based activity in the watershed. Traditional cultivation practices, coupled with poor quality seeds and long duration crops varieties result in low crop yields. Crops are taken under rain fed as well as irrigated conditions. The yield levels of rain fed crops are particularly very poor. Large variation has been noticed in productivity of wheat (12-18/ha) under rain fed and irrigation, condition respectively. At present level of rain fed farming. The total produce from Rabi and Kharif crops obtained by a medium size of holding owning family can meet food requirements for upto 9-10 months only.

The farmers also do not have suitable cropping systems to deal aberrant weather. Weeds impose considerable constraint in producing of both Kharif and rabi crops under irrigation as well as rain-fed production system. Use of weedicide is rare in the watershed. The mixed cropping is in practice in limited area with Kharif crops like bajra and jowar+Arhar . Subsequent rabi crops in general are raised on residual soil moisture under rain-fed production system during past monsoon season. Imbalanced use of fertilizers is common in not only Rabi and Kharif crops but also in rain fed and irrigated production system the recommended deep ploughing for enhanced in situ residual soil moisture conservation and higher production is also not followed in the watershed. The shallow ploughing tractors drawn tillage implements are available. tilt/health restoration practices like green manuring, crop rotations and intercropping specially with legumes, use of FYM/compost, vermicompost ,biofertilizers ,soil and water conservation measures, use of brought up or in situ mulches are widely lacking in the watershed. The soil and water conservation measures are limited to mechanical/earthen measures created by the state Govt. agencies. Conservation agronomical measures like seeding and ploughing across the slope, wed mulching, agro-forestry, vegetative barriers etc also completely lack in the watershed.

**Indigenous Technological Knowledge (I.T.K.):**-Agriculture is an old age occupation which farmers have practiced and improved in their own manner to earn livelihood under the condition of area. The indigenous farming technology in the watershed is observed to cover a vast spectrum of activities involving tillage, implement crop selection, storage of produce and value addition in Dist. Kanpur nagar line showing is in the traditional practice due to the soil condition. Seed drill, seed comfort drill are used with tractor and Nai/chonga with indigenous plough. These ITKs are eco-friendly, cost effective and involve use of local materials with farmers own wisdom. These techniques equip farmers with skills and strength to adopt the prevailing adverse conditions.

**3.Horticulture---** The watershed does not have organized orchards, however, farmers have fruit plants (mango, ber, bel, guava, etc.) near the homesteads and kitchen gardens. The climate and soil of the area is favorable for fruit growing for sub tropical fruits in the lower reaches. Organized orchards, commercial vegetable cultivation, agro horticulture, and other system of agro forestry etc. are lacking but have good potential in the watershed.

**Horticulture Development for watershed Management:**-Fruit trees and fruit based systems are the viable alternatives for economic utilization of such lands. The basic philosophy behind the conservation horticulture is the use of available resources and skillful choice of fruits. The use of available soil moisture , collection of the runoff water from the catchment area to make up the

deficit requirements as well as in situ water harvesting techniques are some of the measures. The in situ water harvesting techniques should be used for growing trees in such a way that each tree has its own micro catchment area. The success of the conservation of horticulture entirely depends on the selection of economically viable hardy varieties of fruit crops resistant to moisture stress or drought and other adverse climate conditions. The fruit crops selected for degraded lands must be such that their maximum growth take place during the period of maximum water availability in the soil and should have low demand.

The main constraints which restrict development of the horticulture land use in degraded lands are enumerated below:

### **(A) Basic constraints**

- 1- Lack of suitable agro-techniques for degraded lands
- 2- Lack of trained resource persons
- 3- Inadequate dissemination of the technologies
- 4- Lack of community approach
- 5- High biotic interference
- 6- Lack of infrastructure including marketing.

### **(B) Soil constraints**

- 1- Poor nutrient status of the soil
- 2- Physical impediment
- 3- Moisture stress / water logging / inadequate drainage.

### **(C) Plant related constraints**

- 1- Problem of plant establishment
- 2- Physiological disorders
- 3- Fruit drop and poor productivity
- 4- Incidence of insects-pests.

However, apart from the above mentioned constraints, the measure bottleneck in horticulture development are poor technological advancements, high initial establishment cost, high input demand, timely operation and seasonal shortage of labours, etc.

## **Farmers Preferences**

**Fruit Trees:** Farmers preferences for fruit trees are solicited in terms of attributes like production, market availability and timber wood value. Overall, Mango & Goawa, Papaya is found most preferred fruit tree.

**Fodder Trees:** Farmers also do not have any preferred fodder tree in the watershed in spite of fact that watershed falls in semi arid tract. The marketing facilities, lack of follow up of modern scientific package of practices of cropping potential in the watershed, socio-economical factors etc. is found to be most important factors deciding the preferences of farmers pertaining to selection and cultivation of agricultural crops, fruits, or fodder trees in the watershed.

## CONCEPTS AND ADVANTAGES OF CONSERVATION HORTICULTURE--

Conservation horticulture or horticulture land use based on soil and water conservation principle is a suitable alternative for utilization and management of land under rain fed conditions. Thus horticulture development in watershed management appears to be the most appropriate technique for sustained productivity as well as for restoration of degraded lands. In fact, horticulture system meet all the basic needs-food, fruits, fodder, fuel and timber besides, providing employment and sustaining a number of products for industries. The fruit trees grown with crops can provide fuel from pruned shoots and dried branches, leaf fodder for animals and leaf litter that can be utilized as mulch material and organic matter the leaf litter of deciduous fruit trees not only protects the top soil from the impact of raindrops but also improve soil structure, reduces evapotranspiration, increases infiltration and add to the nutrient status of soil. Therefore conservation based horticulture land use system assumes great significance as fruit trees on degraded lands provide higher returns and offer alternative opportunity in non-arable areas where cropping may not be possible.

**Table No. 3.16 : Horticulture Status:- Project- IWMP IInd**

S. N.	Name of GP	MWS Code	Name of village	Name of Important horticultural crop						
				Whole Fruit Crop				Scattered Fruit Crop		
				Name	Area ha.	Productivity qtl/ha	Production qtls	No.	Productivity qtl/No.	Production qtls
1	2	3	4	5	6	7	8	9	10	11
01	Maduri	2C4C1d1d 2C4C1d1d	Gauri Ghatampur Maduri	Mango	-	-	-	15	3.00	45.00
02	Baripal	2C4C1d1e 2C4C1d1f 2C4C1d1d	Baripal	Mango				20	3.00	60.00
03	PadriGanga deen	2C4C1d1d 2C4C1d1f	PadriGanga deen	Mango	-	-	-	13	3.00	39.00
04	Bandh	2C4C1d1e 2C4C1d1f 2C4C1e3d	Bandh	Mango	-	-	-	17	3.00	51.00

05	Sirsa	2C4C1d1e 2C4C1d1f 2C4C1e3a	Sirsa	Mango	-	-	-	20	3.00	60.00
06	Sidhoul	2C4C1d1f 2C4C1e3a 2C4C1e3d	Sidhoul	Mango	-	-	-	14	3.00	42.00
07	Maidhari	2C4C1d1f	Kandhouli	Mango	-	-	-	15	3.00	45.00
08	Dharchhuwa	2C4C1d1f 2C4C1e3a	Dharchhuwa	Mango	-	-	-	13	3.00	39.00
09	Aswarmau	2C4C1e2e 2C4C1e2f	Aswarmau	Mango	-	-	-	20	3.00	60.00
10	Samuhi	2C4C1e2e 2C4C1e2f 2C4C1e2g	Samuhi	Mango	-	-	-	18	3.00	54.00
11	Lahurimau Kasimpur	2C4C1e3a 2C4C1e3d 2C4C1e3a	Bagriya Lahurimau Kasimpur	Mango	-	-	-	20	3.00	60.00
				<b>Total</b>				<b>185</b>	<b>33.00</b>	<b>555.00</b>

**Table-3.17 : Livelihood Status of Landless People Project- IWMP IInd**

S. N.	Name of Gram Panchayat	MWS Code	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	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Maduri	2C4C1d1d 2C4C1d1d	Gauri Ghatampur Maduri	<b>Wages</b>	2	-	3	1	6	7500	Goatry Dairy	22500	
2	Baripal	2C4C1d1e 2C4C1d1f 2C4C1d1d	Baripal	<b>Wages</b>	4	-	5	3	12	12500	Goatry Dairy	35500	
3	Padri Ganga deen	2C4C1d1d 2C4C1d1f	PadriGanga deen	<b>Wages</b>	3	-	4	1	8	8000	Goatry Dairy	24000	
4	Bandh	2C4C1d1e 2C4C1d1f 2C4C1e3d	Bandh	<b>Wages</b>	4	-	3	2	9	10000	Goatry Dairy	32500	
5	Sirsa	2C4C1d1e 2C4C1d1f 2C4C1e3a	Sidhoul	<b>Wages</b>	4	-	5	1	10	11500	Goatry Dairy	33000	
6	Sidhoul	2C4C1d1f 2C4C1e3a 2C4C1e3d	Sirsa	<b>Wages</b>	2	-	3	2	7	7500	Goatry Dairy	22500	
7	Maidhari	2C4C1d1f	Kandhouli	<b>Wages</b>	3	-	3	2	8	8500	Goatry Dairy	24000	
8	Dharchhuwa	2C4C1d1f 2C4C1e3a	Dharchhuwa	<b>Wages</b>	2	-	3	1	6	7000	Goatry Dairy	22000	
9	Aswarmau	2C4C1e2e 2C4C1e2f	Aswarmau	<b>Wages</b>	4	-	3	3	10	11500	Goatry Dairy	32000	
10	Samuhi	2C4C1e2e 2C4C1e2f 2C4C1e2g	Samuhi	<b>Wages</b>	3	-	4	1	8	9000	Goatry Dairy	27000	
11	Lahurimau Kasimpur	2C4C1e3a 2C4C1e3d 2C4C1e3a	Bagriya Lahurimau Kasimpur	<b>Wages</b>	5	-	5	2	12	12500	Goatry Dairy	36000	
				<b>Total</b>	<b>39</b>	<b>-</b>	<b>41</b>	<b>19</b>	<b>96</b>	<b>105500</b>		<b>311000</b>	

**Table-3.18 : Livelihood Status of Other Farmers:- Project- IWMP IInd**

S. No.	Name of Gram Panchayat	Name of Village	Name of Livelihood Activity	No. of Persons engaged					Pre project Average Income	Desired Activities	Expected Income from desired activities	Remarks
				Sc	St	Other	Women	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Maduri	Gauri Ghatampur Maduri	Farming/ Dairy	20	-	50	04	74	10000-12000	Goatry/ Dairy	27000-32000	---
2	Baripal	Baripal	Farming/ Dairy	60	-	117	09	186	10000-12000	Goatry/ Dairy	27000-32000	---
3	Padri Ganga deen	PadriGanga deen	Farming/ Dairy	22	-	110	10	142	10000-12000	Goatry/ Dairy	27000-32000	---
4	Bandh	Bandh	Farming/ Dairy	15	-	62	03	80	10000-12000	Goatry/ Dairy	27000-32000	---
5	Sirsa	Sidhoul	Farming/ Dairy	25	-	80	06	111	10000-12000	Goatry/ Dairy	27000-32000	---
6	Sidhoul	Sirsa	Farming/ Dairy	12	-	52	02	66	10000-12000	Goatry/ Dairy	27000-32000	---
7	Maidhari	Kandhouli	Farming/ Dairy	14	-	64	07	84	10000-12000	Goatry/ Dairy	27000-32000	---
8	Dharchhuwa	Dharchhuwa	Farming/ Dairy	18	-	76	08	102	10000-12000	Goatry/ Dairy	27000-32000	---
9	Aswarmau	Aswarmau	Farming/ Dairy	22	-	86	07	115	10000-12000	Goatry/ Dairy	27000-32000	---
10	Samuhi	Samuhi	Farming/ Dairy	25	-	108	10	143	10000-12000	Goatry/ Dairy	27000-32000	---
11	Lahurimau Kasimpur	Bagriya Lahurimau Kasimpur	Farming/ Dairy	27	-	115	08	150	10000-12000	Goatry/ Dairy	27000-32000	---
			<b>Total</b>	<b>260</b>	<b>-</b>	<b>920</b>	<b>74</b>	<b>1253</b>	--	--	--	

**Table-3.19: Details of Present Livelihood Status**

S.n	Name of Gram Panchayat	Name of village	Activities																			
			Dairy		Poultry		Goatry		Mini Floor		Sewing Machine		Dona Pattal		Candle Making		General Merchant		Wages		Others (Specify)	
			No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	Maduri	Gauri Ghatampur Maduri	8	12500	2	3000	7	14500	2	8000	3	8000	4	10000	1	7500	-	-	27	12000	-	20000 - 30000
2	Baripal	Baripal	10	14000	3	3700	10	16000	3	9000	4	8500	5	11500	2	8500	-	-	38	12000	-	20000 - 30000
3	PadriGanga deen	PadriGanga deen	8	13000	2	3200	6	12000	2	8000	2	7500	3	10500	1	8000	-	-	24	12000	-	20000 - 30000
4	Bandh	Bandh	7	11500	1	2000	8	14000	2	7500	1	7000	2	9000	2	8000	-	-	22	12000	-	20000 - 30000
5	Sirsa	Sirsa	9	13500	1	2500	7	14500	1	6000	1	6500	2	9500	2	8500	-	-	23	12000	-	20000 - 30000
6	Sidhoul	Sidhoul	8	14000	1	2500	9	15000	2	7500	1	7000	1	7000	1	8000	-	-	23	12000	-	20000 - 30000
7	Maidhari	Kandhouli	7	14500	1	2500	8	14000	1	7000	1	6500	1	6500	1	8500	-	-	20	12000	-	20000 - 30000
8	Dharchhuwa	Dharchhuwa	8	14000	1	2300	9	15000	1	7000	1	7000	1	7000	2	8000	-	-	23	12000	-	20000 - 30000
9	Aswarmau	Aswarmau	6	12500	1	2500	8	13500	1	7500	1	7500	1	7500	1	7000	-	-	19	12000	-	20000 - 30000
10	Samuhi	Samuhi	8	15000	1	2500	9	14500	2	8500	1	7500	2	9000	1	7000	-	-	24	12000	-	20000 - 30000
11	Lahurimau Kasimpur	Bagriya Lahurimau Kasimpur	10	13500	1	2500	12	15000	2	8000	2	7000	2	9000	2	8000	-	-	31	12000	-	20000 - 30000
		<b>Total</b>	<b>89</b>		<b>15</b>		<b>93</b>		<b>19</b>		<b>18</b>		<b>24</b>		<b>16</b>				<b>274</b>			

**Table-3.20 : Hydrology & water resources:- Ground Water Status**

S. No.	Name of GP	Watershed COde	Name of Village	Depth of Ground Water Table (Below Ground level) in Meter		No. of Observation well
				Before Monsoon	After Monsoon	
1	2	3	4	5	6	7
1	Maduri	2C4C1d1d	Gauri Ghatampur Maduri	18-20	15-18	03
2	Baripal	2C4C1d1e 2C4C1d1f 2C4C1d1d	Baripal	16-18	14-16	07
3	PadriGanga deen	2C4C1d1d 2C4C1d1f	PadriGanga deen	18-20	16-18	02
4	Bandh	2C4C1d1e 2C4C1d1f 2C4C1e3d	Bandh	18-20	16-18	04
5	Sirsa	2C4C1d1e 2C4C1d1f 2C4C1e3a	Sirsa	16-18	14-16	03
6	Sidhoul	2C4C1d1f 2C4C1e3a 2C4C1e3d	Sidhoul	18-20	16-18	04
7	Maidhari	2C4C1d1f	Kandhouli	18-20	15-18	03
8	Dharchhuwa	2C4C1d1f 2C4C1e3a	Dharchhuwa	20-22	17-20	04
9	Aswarmau	2C4C1e2e 2C4C1e2f	Aswarmau	18-20	16-18	04
10	Samuhi	2C4C1e2e 2C4C1e2f 2C4C1e2g	Samuhi	18-20	15-18	03
11	Lahurimau Kasimpur	2C4C1e3a 2C4C1e3d	Bagriya Lahurimau Kasimpur	18-20	16-18	02
			<b>Total</b>	-	-	39



# CHAPTER - 4

## INSTITUTIONAL BUILDING AND PROJECT MANAGEMENT

### 1: Project Implementing Agency:-

The Project Implementing Agency (PIA) is Soil Conservation Officer, Department of Land Development and Water Resources, Ghatampur Kanpur Uttar Pradesh. The PIA was given responsibility to develop the micro-watershed by District Watershed cell cum datacentre (WCDC) and State Level Nodal Agency (SLNA) considering its vast experiences in handling land and water management issues in the region. The PIA has well experienced trained and sufficient staff to handle the watershed management programme efficiently. Most of the staff of PIA has exposure of several watershed projects.

**Table 4.1: Details of Project Implementing Agency (PIA)**

S.No.	Particulars of PIA	
1	2	3
(i)	Date of selection of PIA	25.3.2010
(ii)	Type of organization	State Govt. Agency
(iii)	Name of organization	Department of Land Development and Water Resources, Uttar Pradesh
(iv)	Designation & Address	Bhoomi Sanrakshan Adhikari, Land Development and Water Resources, Ghatampur District – Kanpur nagar
(v)	Telephone/Mo.No	09415142359
(vi)	E-mail	Bsaldwrkn-up@nic.in

**Table4.2:- Detail Pattern of PIA Staff--**

S. N.	Designation	Name	M/F	Qualification	Field of Experience & Period	Remarks
1	B.S.A.	Sri Bachche Lal	M	Diploma in Ag. Engg.	30 Year	--
2	Junior Engineer	Gyan Prakash Yadav	M	Inter, Dip. In Civil Engg.	25 Year	--
3	Junior Engineer	Rakesh Kr. Srivastava	M	Inter, Dip. In Civil Engg.	25 Year	--
4	Accountant	Rajesh Kumar Gupta	M	M.com.	28 Year	--
5	Draftman	Dinesh Chandra Sukla	M	B.A.L.L.B, ITI,(Civil)	34 year	--
6	Tracer	Ram Sewak Singh	M	Inter Mediate	29 Year	--
7	ASCI	Prahlad Singh Niranjan	M	B.sc.Agri	30 Year	--
8	ASCI	Ved Prakash varma	M	B.sc.Agri	1 Year	--
9	ASCI	Rajneesh Kumar	M	B.sc.Agri	1 Year	--
10	ASCI	Rahul Kumar Dubey	M	B.sc.Agri	30 Year	--
	ASCI	Manish Singh	M	B.sc agri & M.B.A	1 year	--
11	ASCI	Upasna Singh	F	B sc Ag	1 year	--
12	Jiledar.	Ravindra Bahadur Shreevastav	M	B.A.	30 Year	--
13	Seench Paryavekshak	Shivnath Singh Chandel	M	B.A.	25 Year	--
14	Seench Paryavekshak	Mulayam Singh	M	Inter	25 Year	--
15	Seench Paryavekshak	Ram Adhar	M	High School	26 Year	--
16	Seench Paryavekshak	Ram Narayan	M	High School	25 Year	--
17	Munsi	Ram Sanehi	M	B.A.	2 Year	--
18	Munsi	Mahendra Kumar Dwedi	M	B. Com.	20 Year	--
19	Munsi	Devendra kumar singh	M	M.sc Ag.	9 year	--
20	Seench Pal	Sri Pramod Kumar Dwivedi	M	M. A. B. Ed.	22 Year	--
21	Seench Pal	Sri Panna Lal Diwakar	M	B. A.	24 Year	--
22	Seench Pal	Krishna Kumar Singh	M	B.A.	24 Year	--
23	Seench Pal	Dinesh Chandra	M	M.A.	25 Year	--
24	Seench Pal	Raj Karan	M	M.A.	20 Year	--
25	Seench Pal	Bhart Singh	M	B.A.	20 Year	--
26	Seench Pal	Smt.Asha Sukla	F	High School	11 Year	--
27	Seench Pal	Govind Kant Tirpathi	M	B.A.	22 Year	--
28	Seench Pal	Rajesh Kumar	M	B.A.	21Year	--
29	Junior Clerk	Prabhat Pandey	M	M.A.	1 Year	--
30	4 <sup>th</sup> class	Tonda Singh	M	Litrate	21 Year	--

31	4 <sup>th</sup> class	Siddhiq Ali	M	Litrare	21 Year	--
32	4 <sup>th</sup> class	Rajesh Kumar Tharu	M	Inter Mid.	21 Year	--
33	4 <sup>th</sup> class	Arvind Kumar	M	10 <sup>th</sup>	20 year	--
34	Driver	Mohammad Arif	M	8 <sup>th</sup>	19 year	--
35	4 <sup>th</sup> class	Kmal Prasadh	M	5 <sup>th</sup>	20 year	--
36	4 <sup>th</sup> class	Dhirendra Singh	M	BA	10 years	--

**2-Watershed Development Team-** As per new common guideline direction/instruction given in Para 5.3 point 40 P. I. A. has been constituted Watershed Development Team as given below-

**Table 4.3 :- Details of W.D.T.----**

S.No.	Name of the member	Qualification	Experience year	Work Assigned
1	Sri Gyanprakash Yadav	Inter, Dip. In Civil Engg.	25	Water management
2	Sri Rakesh kumar Shrivastav	Inter, Dip. In Civil Engg.	25	Water management
3	Sri Agnoo Prasad	B.sc Agri	Retired Ascii	Water management
4	Sri Arvind kumar	B.sc Agri	---	Soil Science
5	Smt. Sheela Katiyar	B.A.	---	Social Orgnization
6	Smt. Snehlata	B.A.	---	Social Orgnization
7	Sri Rakesh triwedi	B.sc Ag	1	Agriculture

#### 4.4-Watershed Committee

#### DETAIL OF WATERSHED COMMITTEE

S. N	Name Of Watershed/ Gram panchyat	MWS Code	Date Of Constitution	Name Of President	Name Of Secretary	Member Of User Group	Member Of Shg	Female Member	Sc Member	Land Less Member	Others	Nominated member By Wdt
1	Padri Gangadeen	2C4C1d1e	07.12.10	Deepu Sachan S/o Lal singh	Vijay singh S/o Sughar singh	Sughar singh S/o Ramadhar	Devendra singh S/o Maujilal	Smt. Kalawati W/o Siyaram	Siyaram S/o Kalicharan	Ranveer S/o Ravendra singh	Rakesh S/o Raghu nandan, Malkhan S/o Ramgopal , Sribabu S/o Chedalal	Gyan Prakash yadav
2	Samuhi	2C4C1e2f	19.11.10	Mathura Prasad S/o Babulal	Narendra kumar S/o Bhuraprasad	Devendra kumar S/o Shivraj	Smt. Sunita W/o Harishankar	Smt. Sarita W/o Devendra	Jairam S/o Maiyadeen	Kailash S/o Kanaujilal	Siyaram S/o Sukh lal, Ramsaran S/o Bhaiyadeen, Arun S/o Horilal	Rakesh srivastav
3	Baripal	2C4C1d1e	17.11.10	Sudarshan singh S/o Ramgopal singh	Dhanudhar Sachan S/o Ramchandra	Ramjani S/ Khudabaksh	Dhanajai S/o Chedilal	Sudha W/o Santosh Kumari	Shivpratap S/o Manni	Hasim S/o Mo. Kasim	Ramsingh S/o Chandika, Jaipal S/o Mohan lal	Gyan Prakash yadav
4	Kashimpur Lahuri	2C4C1e3a	07.11.10	Somwati W/o Rakesh	Sitaram s/o Bhayadeen	Sriram s/o Ramjeevan	Ram vilas s/o Vishambhar	Smt. Fool kumari w/o Ramkishore	Avdhesh S/o Devideen	Rabahadur S/o Shaktideen	Kallu S/o Pyarelal, Shivnath S/o Rajaram	Gyan Prakash yadav
5	Aswarmau	2C4C1e2e	13.02.12	Smt. Somvati W/o Sitaram	Manoj kumar S/o Badri prasad	Ramsajiwan S/o Rameshwar	Smt. Savitri devi W/o Rambihari	Smt. Ramkali W/o Shivnath singh	Chotelal S/o Karelal	Rambihari S/o Ramnarayan	Nandkishore S/o Rajaram, Mishri lal S/o Nanhu, Sarif S/o Wahid Khan	Gyan Prakash yadav
6	Bandh	2C4C1e3d	06.05.11	Smt. Jayanti Devi W/o Arvind Shankar	Ram singh S/o Durjan	Ashok kumar S/o Sarjuprasad	Gyanendra kumar S/o Jagdish	Uma devi W/o Sri narayan	Uday S/o Jaggnath	Ram khilavan S/o Babulal	Putti lal S/o Ramlal , Jagdish S/o Ramsajivan, Dharendra S/o Jagdish	Rakesh srivastav
7	Dharchuwa	2C4C1d1f	05.01.11	Jagdish S/o Chotelal	Mahendra kumar S/o Heeralal	Baijnath S/o Dhaniram	Maan singh S/o Badlu	Smt. vinoda devi W/o Gajraj	Chedalal S/o Radhelal	Ram khilawan S/o Chotelal	Ramratan S/o Gobra , Ajai pal S/o Dullichandra, Chotelel S/o Sugga	Rakesh srivastav

8	Maduri	2C4C1d1d	3.12.11	Ramnaresh singh S/o Vasant singh	Vishupal Singh S/o Omprakash singh	Basant singh S/o Kallu singh	Rambaran singh S/o Omprakash	Munni W/o Bhroshe	Madan S/o Shriram	Ratiram S/o Rambhros e	Rampal S/o Kundan, Rajendra s/o Siyaram,	Gyan Prakash yadav
9	Sidhaul	2C4C1e2g	07.11.11	Bhola Prasad s/o Shukhdev	Chandra Prakash s/o Ramswaru p	Dayanarayan S/o Umarsi	Rambaran S/o Lalaram	Smt. Kiran W/o Pappu	Chuttan S/o Rajaram	Pappu S/o Maiiya lal	Dayanarayan S/o Awadh bihari, Guddan ws/o Anil, Saddam S/o Immam baksh	Rakesh srivastav
10	Maidhari	2C4C1d1f	05.10.11	Suneel kumar S/o Dhaniram	Arvind S/o Gariba	Dhaniram S/o Kalua	Munna Singh S/o Changu	Smt. Ram murti W/o Ramesh	Guru Dyal S/o Bailan	Shivlal S/o Badlu	Vijairani S/o Radheshyam, Santram S/o Baldev,	Rakesh srivastav
11	Sirsa	2C4C1d1f	8.5.2011	Ramjiwan S/o Dulichadra	Balgovind S/o Chandrabh ushan	Hrady Narayan s/o Deviprasad	Dinesh kumar S/o Kishan bihari	Rama Dwedi W/o Mahesh Dwedi	Ramkesh S/o Rajaram	Bhura S/o Sahdev	Awdesh S/o Ambika Prasad, Rajesh Mishra S/o Bhusan mishra, Suriy pal S/o Munsi	Rakesh srivastav

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

**Table 4.5: Details of User Groups**

Watershed code	Gram panchayat	Village Name	Name of Group	Total No. of users	Name of Bank & Address	A/c No. & Date	Upto date saving	Group Activity	Status of Agreement
2C4C1d1d 2C4C1d1d	Maduri	Gauri Ghatampur Maduri	U.G. - 1 U.G. - 2 U.G. - 3	5 5 6	xzk0 cSad cjhiky			Working Under process	
2C4C1d1e 2C4C1d1f 2C4C1d1d	Baripal	Baripal	U.G. - 1 U.G. - 2 U.G. - 3 U.G. - 4 U.G. - 5	5 5 5 6 6	xzk0 cSad cjhiky			Working Under process	

2C4C1d1d 2C4C1d1f	PadriGanga deen	PadriGanga deen	U.G. - 1 U.G. - 2 U.G. - 3 U.G. - 4	6 6 5 5		Working Under process
2C4C1d1e 2C4C1d1f 2C4C1e3d	Bandh	Bandh	U.G. - 1 U.G. - 2 U.G. - 3	5 5 6	xzk0 cSad cjhiky	Working Under process
2C4C1d1e 2C4C1d1f 2C4C1e3a	Sirsa	Sirsa	U.G. - 1 U.G. - 2 U.G. - 3 U.G. - 4 U.G. - 5 U.G. - 6	5 5 5 5 5 6		Working Under process
2C4C1d1f	Maidhari	Kandhouli	U.G. - 1	6		Working Under process
2C4C1d1f 2C4C1e3a	Dharchhuwa	Dharchhuwa	U.G. - 1 U.G. - 2	6 6		Working Under process Working Under process
2C4C1e2e 2C4C1e2f	Aswarmau	Aswarmau	U.G. - 1 U.G. - 2	6 6		Working Under process
2C4C1e2e 2C4C1e2f 2C4C1e2g	Samuhi	Samuhi	U.G. - 1 U.G. - 2 U.G. - 3 U.G. - 4 U.G. - 5 U.G. - 6 U.G. - 7 U.G. - 8 U.G. - 9 U.G. - 10	5 5 5 5 5 5 5 5 6 6	xzk0 cSad cjhiky	Working Under process
2C4C1e3a 2C4C1e3d 2C4C1e3a	Lahurimau Kasimpur	Bagriya Lahurimau Kasimpur	U.G. - 1 U.G. - 2 U.G. - 3 U.G. - 4 U.G. - 5	5 5 5 5 6		Working Under process
2C4C1d1f 2C4C1e3a 2C4C1e3d	Sidhoul	Sidhoul	U.G. - 1 U.G. - 2	6 6	xzk0 cSad cjhiky	

**6- Self Help Group (SHG)** Self help group is motivated homogenous group organized through credit and thrift activities. Self help group especially for women help and uplift their livelihood. Generally self help group formed for the landless/assetless, SC/ST and women.

S. N	Gram panchayat	Name of MWS Code	Total no. of Constituted/registered SHGs	No. of members	No. of SC/ST in each category	No. of BPL in each category	Date of formati
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**Table 4.6: Village wise details of Self Help Groups (SHGs) in the project area**

			With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
1	2C4C1d1d 2C4C1d1d	Maduri	4	6	-	10	Land less	2	3	5	3	4	7	2	4	6	Under progress
							S.F.	-	-	-	-	-	-	-	-	-	
							M.F.	40	50	90	30	43	73	35	44	79	
							L.F.	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>42</b>	<b>53</b>	<b>95</b>	<b>33</b>	<b>47</b>	<b>80</b>	<b>37</b>	<b>48</b>	<b>85</b>	
2	2C4C1d1e 2C4C1d1f 2C4C1d1d	Baripal	6	8	-	14	Land less	2	2	4	1	2	3	2	3	5	Under progress
							S.F.	-	-	-	-	-	-	-	-	-	
							M.F.	50	66	116	40	47	87	40	50	90	
							L.F.	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>52</b>	<b>68</b>	<b>110</b>	<b>41</b>	<b>49</b>	<b>90</b>	<b>42</b>	<b>53</b>	<b>95</b>	
3	2C4C1d1d 2C4C1d1f	PadriGanga deen	5	7	-	12	Land less	2	3	5	2	2	4	2	3	5	Under progress
							S.F.	-	-	-	-	-	-	-	-	-	
							M.F.	40	55	95	35	46	81	40	45	85	
							L.F.	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>42</b>	<b>58</b>	<b>100</b>	<b>37</b>	<b>48</b>	<b>85</b>	<b>42</b>	<b>48</b>	<b>90</b>	
4	2C4C1d1e 2C4C1d1f 2C4C1e3d	Bandh	3	4	-	7	Land less	3	4	7	2	3	5	3	3	6	Under progress
							S.F.	-	-	-	-	-	-	-	-	-	
							M.F.	18	25	43	15	20	35	17	22	39	
							L.F.	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>21</b>	<b>29</b>	<b>50</b>	<b>17</b>	<b>23</b>	<b>40</b>	<b>20</b>	<b>25</b>	<b>45</b>	
5	2C4C1d1e 2C4C1d1f 2C4C1e3a	Sirsa	7	8	-	15	Land less	3	4	7	2	3	5	3	4	7	Under progress
							S.F.	-	-	-	-	-	-	-	-	-	
							M.F.	50	63	113	40	45	85	40	53	93	
							L.F.	-	-	-	-	-	-	-	-	-	
							<b>Total</b>	<b>53</b>	<b>67</b>	<b>120</b>	<b>42</b>	<b>48</b>	<b>90</b>	<b>43</b>	<b>57</b>	<b>100</b>	
6	2C4C1d1f	Maidhari	-	01	-	01	Land	2	3	5	2	3	5	2	3	5	Under



							less													progre ss
							S.F.	-	-	-	-	-	-	-	-	-	-	-	-	
							M.F.	2	3	5	1	2	3	1	3	4				
							L.F.	-	-	-	-	-	-	-	-	-				
							Total	<b>4</b>	<b>6</b>	<b>10</b>	<b>3</b>	<b>5</b>	<b>8</b>	<b>3</b>	<b>6</b>	<b>9</b>				
7	2C4C1d1f 2C4C1e3a	Dharchhu wa	4	6	-	10	Land less	3	4	7	2	3	5	2	3	5				Under progre ss
							S.F.	-	-	-	-	-	-	-	-	-				
							M.F.	38	45	83	30	45	75	35	45	80				
							L.F.	-	-	-	-	-	-	-	-	-				
							Total	<b>41</b>	<b>49</b>	<b>90</b>	<b>32</b>	<b>48</b>	<b>80</b>	<b>37</b>	<b>48</b>	<b>85</b>				
8	2C4C1e2e 2C4C1e2f 2C4C1e2g	Samuhi	12	19	-	31	Land less	4	5	9	3	4	7	3	6	9				Under progre ss
							S.F.	-	-	-	-	-	-	-	-	-				
							M.F.	100	141	241	90	113	203	95	116	211				
							L.F.	-	-	-	-	-	-	-	-	-				
							Total	<b>104</b>	<b>146</b>	<b>250</b>	<b>93</b>	<b>117</b>	<b>210</b>	<b>98</b>	<b>122</b>	<b>220</b>				
9	2C4C1e3a 2C4C1e3d 2C4C1e3a	Lahurimau Kasimpur	6	9	-	15	Land less	3	4	7	2	3	5	3	4	7				Under progre ss
							S.F.	-	-	-	-	-	-	-	-	-				
							M.F.	50	73	123	40	55	95	45	63	108				
							L.F.	-	-	-	-	-	-	-	-	-				
							Total	<b>53</b>	<b>77</b>	<b>130</b>	<b>42</b>	<b>58</b>	<b>100</b>	<b>48</b>	<b>67</b>	<b>115</b>				
10	2C4C1e2e 2C4C1e2f	Aswarmau	3	5	-	8	Land less	2	3	5	1	2	3	2	3	5				Under progre ss
							S.F.	-	-	-	-	-	-	-	-	-				
							M.F.	30	40	70	25	37	62	-	-	65				
							L.F.	-	-	-	-	-	-	-	-	-				
							Total	<b>32</b>	<b>43</b>	<b>75</b>	<b>26</b>	<b>39</b>	<b>65</b>	<b>2</b>	<b>3</b>	<b>70</b>				
11	2C4C1d1f 2C4C1e3a 2C4C1e3d	Sidhoul	3	5	-	8	Land less	2	3	5	1	2	3	2	3	5				Under progre ss
							S.F.	-	-	-	-	-	-	-	-	-				
							M.F.	30	45	75	30	37	67	30	40	70				
							L.F.	-	-	-	-	-	-	-	-	-				

						Total	32	48	80	31	39	70	32	43	75	
		G.Total	53	78		131	476	644	1110	397	521	918	404	520	924	

**7- Convergence in IWMP-II, Kanpur nagar** Several programmes are running in the areas which are sponsored by State of U.P. & Central Govt of India. Some of them are given below (Table 4.6).

**Table 4.7: List of State/Central Govt. Schemes**

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

**Convergence of Watershed Programm:** Watershed development programme will be implemented with convergence of NAREGA & BRGF scheme in the work component like soil & moisture Conservation.

**Table 4.8 :- Details of Convergence of IWMP with other Schemes**

S. N	Watershed Code	Project Cost	Treatable Area Ha	Budget	Convergence	%age	Name of Schemes for Converging with IWMP	Remarks
1	All 8 Micro watershed	603.665	3868	464.160	139.505	23.11	MNRGEA	---

## CHAPTER - 5

## Management / Action Plan

### Preparatory phase:-

**Entry Point Activities** - Following Activities has been taken in this programme i.e. maintenance of existing Kharanja, Renovation of drain and Renovation of Ponds .During PRA EXERCISE it is observed that there is no drainage channel for the safe disposal of waste water & rain water in some villages & some drainage channel has been abolished so Renovation of drainage channel has been taken in the entry point activities . Some village pond has been silted and it Requires de siltation has been also taken in the e.p.a. programme.

**Table 5.1 :- Details Of EPA.**

Name of PIA	Name of Project	Year	M.W.S. Code	Name of Project/ Village	Cost of E.P.A.	Details Of Work	Cost in Lakh
B.S.A. L.D.W.R. Kanpur nagar	I.W.M.P.- II	2010-11	Maduri	<b>2C4C1d1d</b>	2.40	Renovation of Drain Maintinace ofKharanja,Soakpit	2.40
			Padri Gangadeen	<b>2C4C1d1e</b>	2.40	Renovation of Ponds, maintenance of pacca ghat	2.40
			Sirsa	<b>2C4C1d1f</b>	2.88	Maintinace of Kharanja ,Renovation of drain	2.88
			Aswarmau	<b>2C4C1e2e</b>	2.006	Maintinace ofKharanja	2.006
			Samuhi – Ist	<b>2C4C1e2f</b>	2.16	Re Maintinace ofKharanja novation of Ponds, maintenance of pacca ghat	2.16
			Samuhi – IIInd	<b>2C4C1e2g</b>	2.40	Maintinace ofKharanja	2.40
			Lahurimau Kasimpur	<b>2C4C1e3a</b>	2.40	Maintinace ofKharanja	2.40
			Bandh	<b>2C4C1e3d</b>	1.92	Renovation of drain	1.92
				<b>Total</b>	18.566		18.566

### EPA Phtograph:-

<b>;kstuk</b>	<b>%</b>	<b>IWMP -IIInd</b>
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ifj;kstuk	%	cjhiky izFke
dk;Z	%	E.P.A. ds vUrxZr ?kkV ejEer dk dk;Z
dk;Z	%	dk;Z ds iwoZ dk QksVksxzkQ
dksM la0	%	2C4C1d1e
o"kZ	%	2010&11
dk;Z izHkkjh	%	Jh Hkkjr flag



;kstuk	%	IWMP -Ind
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ifj;kstuk	%	cjhiky izFke
dk;Z	%	E.P.A. ds vUrxZr ?kkV ejEer dk dk;Z
dk;Z	%	dk;Z ds i'pkr~ dk QksVksxzkQ
dkSM la0	%	<b>2C4C1d1e</b>
o"kZ	%	2010&11
dk;Z izHkkjh	%	Jh Hkkjr flag



;kstuk	%	IWMP- IInd
ifj;kstuk	%	cjhiky izFke
dk;Z	%	E.P.A. ds vUrxZr rkykc th.kksZ)kj
dk;Z	%	dk;Z ds i'pkr~ dk QksVksxzkQ
dkSM la0	%	2C4C1d1e
o"kZ	%	2010-11
dk;Z izHkkjh	%	Jh Hkkjr flag





;kstuk	%	IWMP -II
ifj;kstuk	%	cjhiky izFke
dk;Z	%	E.P.A. ds vUrxZr rkykc th.kksZ)kj
dk;Z	%	dk;Z ds iwoZ dk QksVksxzkQ
dksM la0	%	2C4C1d1e
o"kZ	%	2010-11
dk;Z izHkkjh	%	Jh Hkkjr flag



<b>;kstuk</b>	%	<b>IWMP- II</b>
<b>ifj;kstuk</b>	%	leqgh &f}rh;
<b>dk;Z</b>	%	<b>E.P.A.</b> ds vUrxZr ty fudkl ukyk dk dk;Z
<b>dk;Z</b>	%	dk;Z ds e/i dk QksVksxzkQ
<b>dksM la0</b>	%	<b>2C4C1e2g</b>
<b>o"kZ</b>	%	2010-11
<b>dk;Z izHkkjh</b>	%	Jh jke vk/kkj





;kstuk	%	IWMP- lInd
ifj;kstuk	%	leggh &f}rh;
dk;Z	%	E.P.A. ds vUrxZr ty fudkl ukyk dk dk;Z
dk;Z	%	dk;Z ds i'pkr~ dk QksVksxzkQ
dkSM la0	%	<b>2C4C1e2g</b>
o"kZ	%	2010-11
dk;Z izHkkjh	%	Jh jke vk/kkj





;kstuk	%	IWMP- II
ifj;kstuk	%	leggh &f}rh;
dk;Z	%	E.P.A. ds vUrxZr rkykc HkViqjokW
dk;Z	%	dk;Z ds i'pkr~ dk QksVksxzkQ
dkSM la0	%	2C4C1e2g
o"kZ	%	2010-11
dk;Z izHkkjh	%	Jh jke vk/kkj





;kstuk	%	IWMP- II
ifj;kstuk	%	leggh & izFke
dk;Z	%	E.P.A. ds vUrxZr rkykc HkViqjokW
dk;Z	%	dk;Z ds iwoZ dk QksVksxzkQ
dksM la0	%	<b>2C4C1e2f</b>
o"kZ	%	2010-11
dk;Z izHkkjh	%	Jh jke vk/kkj



;kstuk	%	IWMP- II
ifj;kstuk	%	leqgh &izFke
dk;Z	%	E.P.A. ds vUrxZr rkykc HkViqjokW
dk;Z	%	dk;Z ds i'pkr~ dk QksVksxzkQ
dkSM 1a0	%	2C4C1e2f
o"kZ	%	2010-11
dk;Z izHkkjh	%	Jh jke vk/kkj



## **2-Work Phase:-**

### **Following are the major problems of the watersheds**

1. Water scarcity both for drinking as well as irrigation
2. Excess runoff and soil loss
3. Low water holding capacity of the soil
4. Low productivity of crops
5. Low fertility of soil
6. Low cropping intensity
7. Lack of technical knowledge
8. Poor vegetative cover
9. Poor/low productive breeds of milch animals
10. Lack of feed & fodder availability
11. Non availability of wood/fuel
12. Lack of proper market facilities
13. Low income of the households
14. Lack of employment opportune

**Table 5.2 :- Micro watershed/Grampanchayat Wise details of Activities-**

<b>Gram Panchayat- Maduri</b>				
			Quat.	Cost in Lacs
<b>S.No.</b>	<b>1. Work Development</b>	<b>Unit</b>	-	-
	<b>a. Land Development</b>		-	-
1	Afforestation	Ha.	2.475	0.396
2	Agriculture	Ha.	-	-
3	Pasture	Ha.	-	-
4	Horticulture	Ha.	6.36	1.188
	<b>Total</b>		<b>8.811</b>	<b>1.584</b>
	<b>b. Soil Moisture Conservation</b>		-	-
1	Contour Bund	Ha.	75.00	5.570
2	Submarginal Bunds	Ha.	75.00	5.553
3	Marginal Bunds/ Peripheral Bunds	Ha.	115.00	8.655
4	Others / Field Bunding	Ha.	-	-
	<b>Total</b>		<b>265.00</b>	<b>19.778</b>
	<b>c. Water Harvesting Structure</b>		-	-
1	Form Ponds	Nos.	-	-
2	Check dams	Nos.	16	4.864
3	Nallah bunds	Nos.	-	-
4	Percolation tanks	Nos.	-	-
5	Ground water recharge structures	Nos.	-	-
	<b>Total</b>		<b>16</b>	<b>4.864</b>
	<b>c.Veg. &amp; Engg. Structures</b>		-	-
1	Earthen checks	Ha.	-	-
2	Brushwood checks	Ha.	-	-

3	Gully plugs	Ha.	-	-
4	Loose boulders	Ha.	-	-
5	Gabion structures	Ha.	-	-
6	Others Pucca Work	Ha.	-	5.940
	<b>Total</b>		-	<b>5.940</b>
	<b>Grand Total WDW</b>		<b>16/273.811</b>	<b>32.166</b>
	<b>Funds available from IWMP</b>		-	<b>22.176</b>
	<b>Convergence From MNREGA</b>		-	9.990
<b>Livelihood</b>				
2	Buffalo	Nos.	4	0.980
3	Poultry	Nos.	1	0.250
4	Bandbaza	Nos.	-	-
5	Sheet Metal	Nos.	-	-
6	Others	Nos.	-	-
a	Goatry	Nos.	3	1.196
b	Piggries	Nos.	-	-
c	Candle making	Nos.		
d	Sweet Packs	Nos.	-	-
e	Dona Pattal	Nos.	-	-
f	Sewing	Nos.	1	0.500
g	Mini Floar Machine	Nos.	1	0.388
h	Dona Pattal	Nos.	1	0.250
i	Carpentry	Nos.		



<b>j</b>	<b>Book seller</b>	Nos.	-	-
<b>k</b>	<b>Welding(Gas/Electric)</b>	Nos.	-	-
	<b>Total</b>		<b>11</b>	<b>3.564</b>
<b>Production System &amp; Micro - Enterprices</b>			-	
	<b>Production system</b>		-	-
	<b>a.Crop Demostration Hect.</b>	Ha.	8.750	0.800
<b>1</b>	<b>Sericulture</b>	Nos.	-	-
<b>2</b>	<b>Bee Keeping</b>	Nos.	-	-
<b>3</b>	<b>Poultry No.</b>	Nos.		
<b>4</b>	<b>Fisheries'</b>	Nos.	-	-
<b>5</b>	<b>Bio-Fuel Plantation</b>	Nos.	-	-
<b>6</b>	<b>Agriculture Equipment No.</b>	Nos.	9	0.540
<b>7</b>	<b>Goatry No.</b>	Nos.	1	0.400
<b>8</b>	<b>Piggries No.</b>	Nos.	-	-
<b>9</b>	<b>Buffalo rearing/ Live stock</b>	Nos.	2	0.400
<b>10</b>	<b>Horticulture</b>	Nos.	-	-
<b>11</b>	<b>Agro-Horticulture Hect.</b>	Nos.	2.195	0.412
<b>12</b>	<b>Agro-Forestry Hect.</b>	Nos.	0.990	0.158
<b>13</b>	<b>Vermi + Nedop Compost No.</b>	Nos.	5	0.500
<b>14</b>	<b>Aqua Farmimg</b>	Nos.		
<b>15</b>	<b>Potato Cultivation</b>	Nos.	-	-
<b>16</b>	<b>Green Manuring</b>	Nos.	-	-
	<b>Total</b>		<b>17/11.935</b>	<b>3.210</b>



	<b>b. Micro-Enterprises</b>		-	-
1	Mini Dal Machine	Nos.	-	-
2	Dalia Making Machine	Nos.	-	-
3	Rope Making	Nos.	-	-
4	Basket Making	Nos.	-	-
5	Mini floor Machine	Nos.		
6	Dona Pattal	Nos.	1	0.250
7	Candle making	Nos.	-	-
8	Black Smith	Nos.	-	-
9	Reparing of Machine & Tools	Nos.	-	-
10	Tailoring	Nos.	1	0.500
	<b>Total</b>		<b>2</b>	<b>0.750</b>
	<b>Grand Total of WDW, Live., PS&amp; ME</b>		<b>46/285.746</b>	<b>39.690</b>

<b>Gram Panchayat- Baripal</b>				
			Quat.	Cost in Lacs
<b>S.No.</b>	<b>1. Work Development</b>	<b>Unit</b>	-	-
	<b>a. Land Development</b>		-	-
1	Afforestation	Ha.	3.000	0.480
2	Agriculture	Ha.	-	-

3	Pasture	Ha.	-	-
4	Horticulture	Ha.	7.680	1.440
	<b>Total</b>		<b>10.680</b>	<b>1.920</b>
	<b>b. Soil Moisture Conservation</b>		-	-
1	Contour Bund	Ha.	90.00	7.099
2	Submarginal Bunds	Ha.	100.00	7.819
3	Marginal Bunds/ Peripheral Bunds	Ha.	137.00	11.233
4	Others / Field Bunding	Ha.	-	-
	<b>Total</b>		<b>327.00</b>	<b>26.151</b>
	<b>c. Water Harvesting Structure</b>		-	-
1	Form Ponds	Nos.	-	-
2	Check dams	Nos.	19.00	5.453
3	Nallah bunds	Nos.	-	-
4	Percolation tanks	Nos.	-	-
5	Ground water recharge structures	Nos.	-	-
	<b>Total</b>		<b>19.00</b>	<b>5.453</b>
	<b>c.Veg. &amp; Engg. Structures</b>		-	-
1	Earthen checks	Ha.	-	-
2	Brushwood checks	Ha.	-	-
3	Gully plugs	Ha.	-	-
4	Loose boulders	Ha.	-	-
5	Gabion structures	Ha.	-	-
6	Others Pucca Works	Ha.	-	7.200

	<b>Total</b>		-	<b>7.200</b>
	<b>Grand Total WDW</b>		<b>19/337.680</b>	<b>40.724</b>
	<b>Funds available from IWMP</b>		-	26.880
	<b>Convergence From MNREGA Livelihood</b>			13.844
<b>2</b>	<b>Buffalo</b>	Nos.	4	1.000
<b>3</b>	<b>Poultry</b>	Nos.	1	0.250
<b>4</b>	<b>Bandbaza</b>	Nos.	-	-
<b>5</b>	<b>Sheet Metal</b>	Nos.	-	-
<b>6</b>	<b>Others</b>	Nos.	-	-
<b>a</b>	<b>Goatry</b>	Nos.	2	0.800
<b>b</b>	<b>Piggries</b>	Nos.	-	-
<b>c</b>	<b>Candle making</b>	Nos.	2	0.400
<b>d</b>	<b>Sweet Packs</b>	Nos.	-	-
<b>e</b>	<b>Dona Pattal</b>	Nos.	2	0.470
<b>f</b>	<b>Sewing</b>	Nos.	2	1.000
<b>g</b>	<b>Tea stall</b>	Nos.	-	-
<b>h</b>	<b>Painting work</b>	Nos.	-	-
<b>i</b>	<b>Carpentry</b>	Nos.	-	-
<b>j</b>	<b>Mini floor Machine</b>	Nos.	1	0.400
<b>k</b>	<b>Welding(Gas/Electric)</b>	Nos.	-	-
	<b>Total</b>		14	4.320
<b>Production System &amp; Micro - Enterprices</b>			-	

	<b>Production system</b>		-	-
	<b>a.Crop Demostration Hect.</b>	Ha.	10.750	1.000
<b>1</b>	<b>Sericulture</b>	Nos.	-	-
<b>2</b>	<b>Bee Keeping</b>	Nos.	-	-
<b>3</b>	<b>Poultry No.</b>	Nos.	-	-
<b>4</b>	<b>Fisheries'</b>	Nos.	-	-
<b>5</b>	<b>Bio-Fuel Plantation</b>	Nos.	-	-
<b>6</b>	<b>Agriculture Equipment No.</b>	Nos.	10	0.600
<b>7</b>	<b>Goatry No.</b>	Nos.	1	0.400
<b>8</b>	<b>Piggries No.</b>	Nos.	-	-
<b>9</b>	<b>Buffalo rearing/ Live stock</b>	Nos.	2	0.400
<b>10</b>	<b>Horticulture</b>	Nos.	-	-
<b>11</b>	<b>Agro-Horticulture Hect.</b>	Nos.	2.442	0.458
<b>12</b>	<b>Agro-Forestry Hect.</b>	Nos.	1.200	0.192
<b>13</b>	<b>Vermi + Nedop Compost No.</b>	Nos.	7	0.700
<b>14</b>	<b>Aqua Farmimg</b>	Nos.	-	-
<b>15</b>	<b>Potato Cultivation</b>	Nos.	-	-
<b>16</b>	<b>Green Manuring</b>	Nos.	-	-
	<b>Total</b>		<b>20/14.392</b>	<b>3.750</b>
	<b>b. Micro-Enterprises</b>		-	-
<b>1</b>	<b>Mini Dal Machine</b>	Nos.	-	-
<b>2</b>	<b>Dalia Making Machine</b>	Nos.	-	-
<b>3</b>	<b>Rope Making</b>	Nos.	-	-

4	Basket Making	Nos.	-	-
5	Mini floor Machine	Nos.		
6	Dona Pattal	Nos.	-	-
7	Carpentry	Nos.	1	0.200
8	Black Smith	Nos.	1	0.200
9	Repairing of Machine & Tools	Nos.	1	0.150
10	Tailoring	Nos.	1	0.500
	<b>Total</b>		<b>4</b>	<b>1.050</b>
	<b>Grand Total of WDW, Live., PS&amp; ME</b>		<b>57/352.072</b>	<b>49.844</b>

<b>Gram Panchayat- Padri Gangadeen</b>				
			Quat.	Cost in Lacs
<b>S.No.</b>	<b>1. Work Development</b>	<b>Unit</b>	-	-
	<b>a. Land Development</b>		-	-
1	Afforestation	Ha.	2.550	0.408
2	Agriculture	Ha.	-	-
3	Pasture	Ha.	-	-
4	Horticulture	Ha.	6.528	1.224
	<b>Total</b>		<b>9.078</b>	<b>1.632</b>
	<b>b. Soil Moisture Conservation</b>		-	-
1	Contour Bund	Ha.	105.00	8.612
2	Submarginal Bunds	Ha.	110.00	8.669
3	Marginal Bunds/ Peripheral Bunds	Ha.	125.00	10.797

4	Others / Field Bunding	Ha.	-	-
	<b>Total</b>		<b>340.00</b>	<b>28.078</b>
	<b>c. Water Harvesting Structure</b>		-	-
1	Form Ponds	Nos.	-	-
2	Check dams	Nos.	-	-
3	Nallah bunds	Nos.	-	-
4	Percolation tanks	Nos.	-	-
5	Ground water recharge structures	Nos.	-	-
	<b>Total</b>		-	-
	<b>c.Veg. &amp; Engg. Structures</b>		-	-
1	Earthen checks	Ha.	-	-
2	Brushwood checks	Ha.	-	-
3	Gully plugs	Ha.	-	-
4	Loose boulders	Ha.	-	-
5	Gabion structures	Ha.	-	-
6	Others Pucca Works	Ha.	-	6.120
	<b>Total</b>		-	<b>6.120</b>
	<b>Grand Total WDW</b>		<b>349.078</b>	<b>35.830</b>
	<b>Funds available from IWMP</b>		-	22.848
	<b>Convergence From MNREGA</b>			12.982
	<b>Livelihood</b>			
2	Buffalo	Nos.	4	1.000
3	Poultry	Nos.		
4	Bandbaza	Nos.	-	-
5	Sheet Metal	Nos.	-	-

6	Others	Nos.	-	-
a	Goatry	Nos.	3	1.122
b	Piggries	Nos.	-	-
c	Candle making	Nos.	2	0.400
d	Sweet Packs	Nos.	-	-
e	Dona Pattal	Nos.	1	0.250
f	Sewing	Nos.	1	0.500
g	Tea stall	Nos.	-	-
h	Painting work	Nos.	-	-
i	Carpentry	Nos.	-	-
j	Mini floor Machine	Nos.	1	0.400
k	Welding(Gas/Electric)	Nos.	-	-
	<b>Total</b>		<b>12</b>	<b>3.672</b>
<b>Production System &amp; Micro - Enterprices</b>			-	-
	<b>Production system</b>		-	-
	<b>a.Crop Demostration Hect.</b>	Ha.	9.00	0.825
1	<b>Sericulture</b>	Nos.	-	-
2	<b>Bee Keeping</b>	Nos.	-	-
3	<b>Poultry No.</b>	Nos.	-	-
4	<b>Fisheries'</b>	Nos.	-	-
5	<b>Bio-Fuel Plantation</b>	Nos.	-	-
6	<b>Agriculture Equipment No.</b>	Nos.	9	0.540
7	<b>Goatry No.</b>	Nos.	1	0.400

8	Piggries	No.	Nos.	-	-
9	Buffalo rearing/ Live stock		Nos.	2	0.400
10	Horticulture		Nos.	-	-
11	Agro-Horticulture	Hect.	Nos.	1.689	0.302
12	Agro-Forestry	Hect.	Nos.	1.020	0.163
13	Vermi + Nedop Compost	No.	Nos.	6	0.600
14	Aqua Farming		Nos.	-	-
15	Potato Cultivation		Nos.	-	-
16	Green Manuring		Nos.	-	-
	<b>Total</b>			<b>18/11.709</b>	<b>3.230</b>
	<b>b. Micro-Enterprises</b>			-	-
1	Mini Dal Machine		Nos.	-	-
2	Dalia Making Machine		Nos.	-	-
3	Rope Making		Nos.	-	-
4	Basket Making		Nos.	-	-
5	Mini floor Machine		Nos.		
6	Dona Pattal		Nos.	-	-
7	Carpentry		Nos.	1	0.200
8	Black Smith		Nos.	-	-
9	Reparing of Machine & Tools		Nos.	1	0.150
10	Tailoring		Nos.	1	0.500
	<b>Total</b>			<b>3</b>	<b>0.850</b>
	<b>Grand Total of WDW, Live., PS&amp; ME</b>			<b>33/360.787</b>	<b>43.582</b>



<b>Gram Panchayat- Bandh</b>				
			Quat.	Cost in Lacs
<b>S.No.</b>	<b>1. Work Development</b>	<b>Unit</b>	-	-
	<b>a. Land Development</b>		-	-
1	Afforestation	Ha.	1.500	0.240
2	Agriculture	Ha.	-	-
3	Pasture	Ha.	-	-
4	Horticulture	Ha.	3.840	0.720
	<b>Total</b>		<b>4.980</b>	<b>0.960</b>
	<b>b. Soil Moisture Conservation</b>		-	-
1	Contour Bund	Ha.	60.00	4.816
2	Submarginal Bunds	Ha.	55.00	4.524
3	Marginal Bunds/ Peripheral Bunds	Ha.	50.00	4.089
4	Others / Field Bunding	Ha.	-	-
	<b>Total</b>		<b>165.00</b>	<b>13.429</b>
	<b>c. Water Harvesting Structure</b>		-	-
1	Form Ponds	Nos.	-	-
2	Check dams	Nos.	9	2.634
3	Nallah bunds	Nos.	-	-
4	Percolation tanks	Nos.	-	-
5	Ground water recharge structures	Nos.	-	-
	<b>Total</b>		<b>9</b>	<b>2.634</b>

	<b>c.Veg. &amp; Engg. Structures</b>		-	-
1	Earthen checks	Ha.	-	-
2	Brushwood checks	Ha.	-	-
3	Gully plugs	Ha.	-	-
4	Loose boulders	Ha.	-	-
5	Gabion structures	Ha.	-	-
6	Others Pucca Works	Ha.	-	3.600
	<b>Total</b>		-	<b>3.600</b>
	<b>Grand Total WDW</b>		<b>9/169.980</b>	<b>20.623</b>
	<b>Funds available from IWMP</b>			<b>13.440</b>
	<b>Convergence From MNREGA</b>		-	7.183
	<b>Livelihood</b>			
2	Buffalo	Nos.	2	0.500
3	Poultry	Nos.	-	-
4	Bandbaza	Nos.	-	-
5	Sheet Metal	Nos.	-	-
6	Others	Nos.	-	-
a	Goatry	Nos.	1	0.320
b	Piggries	Nos.	-	-
c	Candle making	Nos.	1	0.200
d	Sweet Packs	Nos.	-	-
e	Dona Pattal	Nos.	1	0.240
f	Sewing	Nos.	1	0.500
g	Tea stall	Nos.	-	-

<b>h</b>	<b>Painting work</b>	<b>Nos.</b>		
<b>i</b>	<b>Carpentry</b>	<b>Nos.</b>		
<b>j</b>	<b>Mini floor Machine</b>	<b>Nos.</b>	<b>1</b>	<b>0.400</b>
<b>k</b>	<b>Welding(Gas/Electric)</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
	<b>Total</b>		<b>7</b>	<b>2.107</b>
<b>Production System &amp; Micro - Enterprises</b>			<b>-</b>	
	<b>Production system</b>		<b>-</b>	<b>-</b>
	<b>a.Crop Demonstration Hect.</b>	<b>Ha.</b>	<b>5.750</b>	<b>0.500</b>
<b>1</b>	<b>Sericulture</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>2</b>	<b>Bee Keeping</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>3</b>	<b>Poultry No.</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>4</b>	<b>Fisheries'</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>5</b>	<b>Bio-Fuel Plantation</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>6</b>	<b>Agriculture Equipment No.</b>	<b>Nos.</b>	<b>5</b>	<b>0.300</b>
<b>7</b>	<b>Goatry No.</b>	<b>Nos.</b>	<b>1</b>	<b>0.400</b>
<b>8</b>	<b>Piggries No.</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>9</b>	<b>Buffalo rearing/ Live stock</b>	<b>Nos.</b>	<b>1</b>	<b>0.200</b>
<b>10</b>	<b>Horticulture</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>11</b>	<b>Agro-Horticulture Hect.</b>	<b>Nos.</b>	<b>1.354</b>	<b>0.254</b>
<b>12</b>	<b>Agro-Forestry Hect.</b>	<b>Nos.</b>	<b>0.600</b>	<b>0.096</b>
<b>13</b>	<b>Vermi + Nedop Compost No.</b>	<b>Nos.</b>	<b>3</b>	<b>0.300</b>
<b>14</b>	<b>Aqua Farming</b>	<b>Nos.</b>		
<b>15</b>	<b>Potato Cultivation</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>

16	Green Manuring	Nos.	-	-
	<b>Total</b>		<b>10/7.704</b>	<b>2.050</b>
	<b>b. Micro-Enterprises</b>		-	-
1	Mini Dal Machine	Nos.	-	-
2	Dalia Making Machine	Nos.	-	-
3	Rope Making	Nos.	-	-
4	Basket Making	Nos.	-	-
5	Mini floor Machine	Nos.	-	-
6	Dona Pattal	Nos.	-	-
7	Candle making	Nos.	-	-
8	Black Smith	Nos.	1	0.200
9	Reparing of Machine & Tools	Nos.	1	0.150
10	Tailoring	Nos.		
	<b>Total</b>		<b>2</b>	<b>0.350</b>
	<b>Grand Total of WDW, Live., PS&amp; ME</b>		<b>26/177.684</b>	<b>25.130</b>

<b>Gram Panchayat- Sirsa</b>				
			Quat.	Cost in Lacs
S.No.	1. Work Development	Unit	-	-
	<b>a. Land Development</b>		-	-
1	Afforestation	Ha.	3.825	0.612

2	Agriculture	Ha.	-	-
3	Pasture	Ha.	-	-
4	Horticulture	Ha.	9.792	1.836
	<b>Total</b>		<b>13.617</b>	<b>2.448</b>
	<b>b. Soil Moisture Conservation</b>		-	-
1	Contour Bund	Ha.	110.00	9.499
2	Submarginal Bunds	Ha.	105.00	8.843
3	Marginal Bunds/ Peripheral Bunds	Ha.	200.00	17.157
4	Others / Field Bunding	Ha.	-	-
	<b>Total</b>		<b>415.00</b>	<b>35.499</b>
	<b>c. Water Harvesting Structure</b>		-	-
1	Form Ponds	Nos.	-	-
2	Check dams	Nos.	23	7.126
3	Nallah bunds	Nos.	-	-
4	Percolation tanks	Nos.	-	-
5	Ground water recharge structures	Nos.	-	-
	<b>Total</b>		<b>23</b>	<b>7.126</b>
	<b>c.Veg. &amp; Engg. Structures</b>		-	-
1	Earthen checks	Ha.	-	-
2	Brushwood checks	Ha.	-	-
3	Gully plugs	Ha.	-	-
4	Loose boulders	Ha.	-	-
5	Gabion structures	Ha.	-	-

6	Others Pucca Works	Ha.	-	9.180
	<b>Total</b>		-	<b>9.180</b>
	<b>Grand Total WDW</b>		<b>23/428.617</b>	<b>54.272</b>
	<b>Funds available from IWMP</b>			<b>34.272</b>
	<b>Convergence From MNREGA</b>		-	19.981
<b>Livelihood</b>				
2	Buffalo	Nos.	4	1.000
3	Poultry	Nos.	1	0.250
4	Bandbaza	Nos.	-	-
5	Sheet Metal	Nos.	-	-
6	Others	Nos.	-	-
a	Goatry	Nos.	3	1.208
b	Piggries	Nos.	-	-
c	Candle making	Nos.	2	0.400
d	Sweet Packs	Nos.	-	-
e	Dona Pattal	Nos.	1	0.250
f	Sewing	Nos.	2	1.00
g	Tea stall	Nos.	-	-
h	General Merchant	Nos.	1	1.00
i	Carpentry	Nos.	-	-
j	Mini floor Machine	Nos.	1	0.400
k	Welding(Gas/Electric)	Nos.	-	-
	<b>Total</b>		15	5.708
<b>Production System &amp; Micro - Enterprices</b>			-	

	<b>Production system</b>		-	-
	<b>a.Crop Demostration Hect.</b>	Ha.	13.250	1.250
<b>1</b>	<b>Sericulture</b>	Nos.	-	-
<b>2</b>	<b>Bee Keeping</b>	Nos.	-	-
<b>3</b>	<b>Poultry No.</b>	Nos.	-	-
<b>4</b>	<b>Fisheries'</b>	Nos.	-	-
<b>5</b>	<b>Bio-Fuel Plantation</b>	Nos.	-	-
<b>6</b>	<b>Agriculture Equipment No.</b>	Nos.	14	0.840
<b>7</b>	<b>Goatry No.</b>	Nos.	1	0.400
<b>8</b>	<b>Piggries No.</b>	Nos.	-	-
<b>9</b>	<b>Buffalo rearing/ Live stock</b>	Nos.	3	0.600
<b>10</b>	<b>Horticulture</b>	Nos.	-	-
<b>11</b>	<b>Agro-Horticulture Hect.</b>	Nos.	3.121	0.585
<b>12</b>	<b>Agro-Forestry Hect.</b>	Nos.	1.530	0.245
<b>13</b>	<b>Vermi + Nedop Compost No.</b>	Nos.	9	0.900
<b>14</b>	<b>Aqua Farmimg</b>	Nos.	1	0.200
<b>15</b>	<b>Potato Cultivation</b>	Nos.	-	-
<b>16</b>	<b>Green Manuring</b>	Nos.	-	-
	<b>Total</b>		<b>28/17.901</b>	<b>5.02</b>
	<b>b. Micro-Enterprises</b>		-	-
<b>1</b>	<b>Mini Dal Machine</b>	Nos.	-	-
<b>2</b>	<b>Dalia Making Machine</b>	Nos.	-	-
<b>3</b>	<b>Rope Making</b>	Nos.	-	-

4	Basket Making	Nos.	-	-
5	Mini floor Machine	Nos.	-	-
6	Dona Pattal	Nos.	1	0.250
7	Carpentry	Nos.	1	0.200
8	Black Smith	Nos.	-	-
9	Reparing of Machine & Tools	Nos.	1	0.150
10	Tailoring	Nos.	1	0.500
	<b>Total</b>		<b>4</b>	<b>1.100</b>
	<b>Grand Total of WDW, Live., PS&amp; ME</b>		<b>70/446.518</b>	<b>66.081</b>

<b>Gram Panchayat- Sidhoul</b>				
			Quat.	Cost in Lacs
<b>S.No.</b>	<b>1. Work Development</b>	<b>Unit</b>	-	-
	<b>a. Land Development</b>		-	-
1	Afforestation	Ha.	1.875	0.300
2	Agriculture	Ha.	-	-
3	Pasture	Ha.	-	-
4	Horticulture	Ha.	4.800	0.900
	<b>Total</b>		<b>6.675</b>	<b>1.200</b>
	<b>b. Soil Moisture Conservation</b>		-	-
1	Contour Bund	Ha.	65.00	4.870
2	Submarginal Bunds	Ha.	75.00	6.418



3	Marginal Bunds/ Peripheral Bunds	Ha.	90.00	7.245
4	Others / Field Bunding	Ha.	-	-
	<b>Total</b>		<b>230.00</b>	<b>18.533</b>
	<b>c. Water Harvesting Structure</b>		-	-
1	Form Ponds	Nos.	-	-
2	Check dams	Nos.	4	1.487
3	Nallah bunds	Nos.	-	-
4	Percolation tanks	Nos.	-	-
5	Ground water recharge structures	Nos.	-	-
	<b>Total</b>		<b>4</b>	<b>1.487</b>
	<b>c.Veg. &amp; Engg. Structures</b>		-	-
1	Earthen checks	Ha.	-	-
2	Brushwood checks	Ha.	-	-
3	Gully plugs	Ha.	-	-
4	Loose boulders	Ha.	-	-
5	Gabion structures	Ha.	-	-
6	Others Pucca Works	Ha.	-	4.500
	<b>Total</b>		-	<b>4.500</b>
	<b>Grand Total WDW</b>		<b>4/236.675</b>	<b>25.720</b>
	<b>Funds available from IWMP</b>			<b>16.800</b>
	<b>Convergence From MNREGA</b>		-	8.920
	<b>Livelihood</b>			
2	Buffalo	Nos.	2	0.500
3	Poultry	Nos.	1	0.250

4	Bandbaza	Nos.	-	-
5	Sheet Metal	Nos.	-	-
6	Others	Nos.	-	-
a	Goatry	Nos.	2	0.800
b	Piggries	Nos.	-	-
c	Candle making	Nos.		
d	Sweet Packs	Nos.	-	-
e	Dona Pattal	Nos.	1	0.250
f	Sewing	Nos.	1	0.500
g	Tea stall	Nos.	-	-
h	Painting work	Nos.	-	-
i	Carpentry	Nos.		
j	Mini floor Machine	Nos.	1	0.400
k	Welding(Gas/Electric)	Nos.	-	-
	<b>Total</b>		<b>8</b>	<b>2.700</b>
<b>Production System &amp; Micro - Enterprices</b>			-	
	<b>Production system</b>		-	-
	<b>a.Crop Demostration Hect.</b>	Ha.	7.00	0.625
1	<b>Sericulture</b>	Nos.	-	-
2	<b>Bee Keeping</b>	Nos.	-	-
3	<b>Poultry</b>	Nos.	-	-
4	<b>Fisheries'</b>	Nos.	-	-
5	<b>Bio-Fuel Plantation</b>	Nos.	-	-

6	Agriculture Equipment No.	Nos.	5	0.300
7	Goatry No.	Nos.	1	0.400
8	Piggries No.	Nos.	-	-
9	Buffalo rearing/ Live stock	Nos.	2	0.400
10	Horticulture	Nos.	-	-
11	Agro-Horticulture Hect.	Nos.	1.360	0.255
12	Agro-Forestry Hect.	Nos.	0.750	0.120
13	Vermi + Nedop Compost No.	Nos.	4	0.400
14	Aqua Farming	Nos.		
15	Potato Cultivation	Nos.	-	-
16	Green Manuring	Nos.	-	-
	<b>Total</b>		<b>12/9.110</b>	<b>2.500</b>
	<b>b. Micro-Enterprises</b>		-	-
1	Mini Dal Machine	Nos.	-	-
2	Dalia Making Machine	Nos.	-	-
3	Rope Making	Nos.	-	-
4	Basket Making	Nos.	-	-
5	Mini floor Machine	Nos.		
6	Dona Pattal	Nos.	-	-
7	Candle making	Nos.	-	-
8	Black Smith	Nos.	-	-
9	Reparing of Machine & Tools	Nos.		
10	Tailoring	Nos.	1	0.500

	<b>Total</b>		<b>1</b>	<b>0.500</b>
	<b>Grand Total of WDW, Live., PS&amp; ME</b>		<b>25/245.785</b>	<b>31.420</b>
<b>Gram Panchayat- Maidhri</b>				
			Quat.	Cost in Lacs
<b>S.No.</b>	<b>1. Work Development</b>	<b>Unit</b>	-	-
	<b>a. Land Development</b>		-	-
1	Afforestation	Ha.	0.150	0.024
2	Agriculture	Ha.	-	-
3	Pasture	Ha.	-	-
4	Horticulture	Ha.	0.384	0.072
	<b>Total</b>		<b>0.534</b>	<b>0.096</b>
	<b>b. Soil Moisture Conservation</b>		-	-
1	Contour Bund	Ha.	5.00	0.435
2	Submarginal Bunds	Ha.	5.00	0.596
3	Marginal Bunds/ Peripheral Bunds	Ha.	5.00	0.496
4	Others / Field Bunding	Ha.		-
	<b>Total</b>		<b>15.00</b>	<b>1.527</b>
	<b>c. Water Harvesting Structure</b>		-	-
1	Form Ponds	Nos.	-	-
2	Check dams	Nos.	-	-
3	Nallah bunds	Nos.	-	-
4	Percolation tanks	Nos.	-	-
5	Ground water recharge structures	Nos.	-	-

	<b>Total</b>		-	-
	<b>c.Veg. &amp; Engg. Structures</b>		-	-
1	Earthen checks	Ha.	-	-
2	Brushwood checks	Ha.	-	-
3	Gully plugs	Ha.	-	-
4	Loose boulders	Ha.	-	-
5	Gabion structures	Ha.	-	-
6	Others Pucca Works	Ha.	-	0.360
	<b>Total</b>		-	0.360
	<b>Grand Total WDW</b>		<b>2/15.534</b>	<b>1.983</b>
	<b>Funds available from IWMP</b>			<b>1.344</b>
	<b>Convergence From MNREGA</b>			<b>0.639</b>
	<b>Livelihood</b>		-	-
2	Buffalo	Nos.		
3	Poultry	Nos.		
4	Bandbaza	Nos.	-	-
5	Sheet Metal	Nos.	-	-
6	Others	Nos.	-	-
a	Goatry	Nos.	1	0.216
b	Piggries	Nos.	-	-
c	Candle making	Nos.		
d	Sweet Packs	Nos.	-	-
e	Dona Pattal	Nos.		
f	Sewing	Nos.		

<b>g</b>	<b>Tea stall</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>h</b>	<b>Painting work</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>i</b>	<b>Carpentry</b>	<b>Nos.</b>		
<b>j</b>	<b>Book seller</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>k</b>	<b>Welding(Gas/Electric)</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
	<b>Total</b>		<b>1</b>	<b>0.216</b>
<b>Production System &amp; Micro - Enterprices</b>			<b>-</b>	
	<b>Production system</b>		<b>-</b>	<b>-</b>
	<b>a.Crop Demostration Hect.</b>	<b>Ha.</b>	<b>0.500</b>	<b>0.050</b>
<b>1</b>	<b>Sericulture</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>2</b>	<b>Bee Keeping</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>3</b>	<b>Poultry</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>4</b>	<b>Fisheries'</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>5</b>	<b>Bio-Fuel Plantation</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>6</b>	<b>Agriculture Equipment</b>	<b>Nos.</b>		
<b>7</b>	<b>Goatry</b>	<b>Nos.</b>		
<b>8</b>	<b>Piggries</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>9</b>	<b>Buffalo rearing/ Live stock</b>	<b>Nos.</b>		
<b>10</b>	<b>Horticulture</b>	<b>Nos.</b>	<b>-</b>	<b>-</b>
<b>11</b>	<b>Agro-Horticulture Hect.</b>	<b>Nos.</b>	<b>0.162</b>	<b>0.030</b>
<b>12</b>	<b>Agro-Forestry Hect.</b>	<b>Nos.</b>	<b>0.060</b>	<b>0.010</b>
<b>13</b>	<b>Vermi + Nedop Compost</b>	<b>Nos.</b>		
<b>14</b>	<b>Aqua Farming</b>	<b>Nos.</b>		

15	Potato Cultivation	Nos.	-	-
16	Green Manuring	Nos.	-	-
	<b>Total</b>		<b>0/0.722</b>	<b>0.090</b>
	<b>b. Micro-Enterprises</b>		-	-
1	Mini Dal Machine	Nos.	-	-
2	Dalia Making Machine	Nos.	-	-
3	Rope Making	Nos.	-	-
4	Basket Making	Nos.	-	-
5	Mini floor Machine	Nos.	-	-
6	Dona Pattal	Nos.	-	-
7	Candle making	Nos.	-	-
8	Black Smith	Nos.	-	-
9	Reparing of Machine & Tools	Nos.	1	0.150
10	Tailoring	Nos.	-	-
	<b>Total</b>		<b>1</b>	<b>0.150</b>
	<b>Grand Total of WDW, Live., PS&amp; ME</b>		<b>2/16.256</b>	<b>2.052</b>

<b>Gram Panchayat- Dharchhuwa</b>				
			Quat.	Cost in Lacs
<b>S.No.</b>	<b>1. Work Development</b>	<b>Unit</b>	-	-
	<b>a. Land Development</b>		-	-
<b>1</b>	<b>Afforestation</b>	<b>Ha.</b>	<b>1.875</b>	<b>0.300</b>

2	Agriculture	Ha.	-	-
3	Pasture	Ha.	-	-
4	Horticulture	Ha.	4.800	0.900
	<b>Total</b>		<b>6.675</b>	<b>1.200</b>
	<b>b. Soil Moisture Conservation</b>		-	-
1	Contour Bund	Ha.	50.00	4.215
2	Submarginal Bunds	Ha.	50.00	4.322
3	Marginal Bunds/ Peripheral Bunds	Ha.	75.00	5.870
4	Others / Field Bunding	Ha.	-	-
	<b>Total</b>		<b>175.00</b>	<b>14.407</b>
	<b>c. Water Harvesting Structure</b>		-	-
1	Form Ponds	Nos.	-	-
2	Check dams	Nos.	16	5.639
3	Nallah bunds	Nos.	-	-
4	Percolation tanks	Nos.	-	-
5	Ground water recharge structures	Nos.	-	-
	<b>Total</b>		<b>16</b>	<b>5.639</b>
	<b>c.Veg. &amp; Engg. Structures</b>		-	-
1	Earthen checks	Ha.	-	-
2	Brushwood checks	Ha.	-	-
3	Gully plugs	Ha.	-	-
4	Loose boulders	Ha.	-	-
5	Gabion structures	Ha.	-	-



6	Others Pucca Works	Ha.	-	4.500
	<b>Total</b>		-	<b>4.500</b>
	<b>Grand Total WDW</b>		<b>16/181.675</b>	<b>25.746</b>
	<b>Funds available from IWMP</b>			<b>16.800</b>
	<b>Convergence From MNREGA</b>			<b>8.946</b>
	<b>Livelihood</b>		-	-
2	Buffalo	Nos.	5	1.100
3	Poultry	Nos.	1	0.250
4	Bandbaza	Nos.	-	-
5	Sheet Metal	Nos.	-	-
6	Others	Nos.	-	-
a	Goatry	Nos.	1	0.400
b	Piggries	Nos.	-	-
c	Candle making	Nos.	1	0.200
d	Sweet Packs	Nos.	-	-
e	Dona Pattal	Nos.	1	0.250
f	Sewing	Nos.	1	0.500
g	Tea stall	Nos.	-	-
h	Painting work	Nos.	-	-
i	Carpentry	Nos.	-	-
j	Book seller	Nos.	-	-
k	Welding(Gas/Electric)	Nos.	-	-
	<b>Total</b>		<b>10</b>	<b>2.700</b>
	<b>Production System &amp; Micro - Enterprices</b>		-	

	<b>Production system</b>		-	-
	<b>a.Crop Demostration Hect.</b>	Ha.	7.00	0.625
<b>1</b>	<b>Sericulture</b>	Nos.	-	-
<b>2</b>	<b>Bee Keeping</b>	Nos.	-	-
<b>3</b>	<b>Poultry No.</b>	Nos.	-	-
<b>4</b>	<b>Fisheries'</b>	Nos.	-	-
<b>5</b>	<b>Bio-Fuel Plantation</b>	Nos.	-	-
<b>6</b>	<b>Agriculture Equipment No.</b>	Nos.	6	0.360
<b>7</b>	<b>Goatry No.</b>	Nos.	1	0.400
<b>8</b>	<b>Piggries No.</b>	Nos.	-	-
<b>9</b>	<b>Buffalo rearing/ Live stock</b>	Nos.	1	0.200
<b>10</b>	<b>Horticulture</b>	Nos.	-	-
<b>11</b>	<b>Agro-Horticulture Hect.</b>	Nos.	1.573	0.295
<b>12</b>	<b>Agro-Forestry Hect.</b>	Nos.	0.750	0.120
<b>13</b>	<b>Vermi + Nedop Compost No.</b>	Nos.	5	0.500
<b>14</b>	<b>Aqua Farmimg</b>	Nos.	-	-
<b>15</b>	<b>Potato Cultivation</b>	Nos.	-	-
<b>16</b>	<b>Green Manuring</b>	Nos.	-	-
	<b>Total</b>		<b>13/9.323</b>	<b>2.50</b>
	<b>b. Micro-Enterprises</b>		-	-
<b>1</b>	<b>Mini Dal Machine</b>	Nos.	-	-
<b>2</b>	<b>Dalia Making Machine</b>	Nos.	-	-
<b>3</b>	<b>Rope Making</b>	Nos.	-	-

4	Basket Making	Nos.	-	-
5	Mini floor Machine	Nos.	-	-
6	Dona Pattal	Nos.	-	-
7	Candle making	Nos.	-	-
8	Black Smith	Nos.	-	-
9	Reparing of Machine & Tools	Nos.		
10	Tailoring	Nos.	1	0.500
	<b>Total</b>		<b>1</b>	<b>0.500</b>
	<b>Grand Total of WDW, Live., PS&amp; ME</b>		<b>40/190.998</b>	<b>31.446</b>

<b>Gram Panchayat- Aswarmau</b>				
			Quat.	Cost in Lacs
<b>S.No.</b>	<b>1. Work Development</b>	<b>Unit</b>	-	-
	<b>a. Land Development</b>		-	-
1	Afforestation	Ha.	1.725	0.276
2	Agriculture	Ha.	-	-
3	Pasture	Ha.	-	-
4	Horticulture	Ha.	4.416	0.828
	<b>Total</b>		<b>6.141</b>	<b>1.104</b>
	<b>b. Soil Moisture Conservation</b>		-	-
1	Contour Bund	Ha.	40.00	3.498
2	Submarginal Bunds	Ha.	35.00	2.890
3	Marginal Bunds/ Peripheral Bunds	Ha.	68.00	6.450

4	Others / Field Bunding	Ha.	-	-
	<b>Total</b>		<b>143.00</b>	<b>12.838</b>
	<b>c. Water Harvesting Structure</b>		-	-
1	Form Ponds	Nos.	-	-
2	Check dams	Nos.	22	6.507
3	Nallah bunds	Nos.	-	-
4	Percolation tanks	Nos.	-	-
5	Ground water recharge structures	Nos.	-	-
	<b>Total</b>		<b>22</b>	<b>6.507</b>
	<b>c.Veg. &amp; Engg. Structures</b>		-	-
1	Earthen checks	Ha.	-	-
2	Brushwood checks	Ha.	-	-
3	Gully plugs	Ha.	-	-
4	Loose boulders	Ha.	-	-
5	Gabion structures	Ha.	-	-
6	Others Pucca Works	Ha.	-	4.140
	<b>Total</b>		-	<b>4.140</b>
	<b>Grand Total WDW</b>		<b>23/149.141</b>	<b>24.589</b>
	<b>Funds available from IWMP</b>			<b>15.456</b>
	<b>Convergence From MNREGA</b>			<b>9.133</b>
	<b>Livelihood</b>		-	-
2	Buffalo	Nos.	2	0.500
3	Poultry	Nos.	-	-
4	Bandbaza	Nos.	-	-

5	Sheet Metal	Nos.	-	-
6	Others	Nos.	-	-
a	Goatry	Nos.	1	0.434
b	Piggries	Nos.	-	-
c	Candle making	Nos.	2	0.400
d	Sweet Packs	Nos.	-	-
e	Dona Pattal	Nos.	1	0.250
f	Sewing	Nos.	1	0.500
g	Tea stall	Nos.	-	-
h	Painting work	Nos.	-	-
i	Carpentry	Nos.	-	-
j	Mini floor Machine	Nos.	1	0.400
k	Welding(Gas/Electric)	Nos.	-	-
	<b>Total</b>		<b>8</b>	<b>2.484</b>
<b>Production System &amp; Micro - Enterprices</b>			-	
	<b>Production system</b>		-	-
	<b>a.Crop Demostration Hect.</b>	Ha.	6.250	0.550
1	<b>Sericulture</b>	Nos.	-	-
2	<b>Bee Keeping</b>	Nos.	-	-
3	<b>Poultry No.</b>	Nos.	-	-
4	<b>Fisheries'</b>	Nos.	-	-
5	<b>Bio-Fuel Plantation</b>	Nos.	-	-
6	<b>Agriculture Equipment No.</b>	Nos.	6	0.360

7	Goatry	No.	Nos.	1	0.275
8	Piggries	No.	Nos.	-	-
9	Buffalo rearing/ Live stock		Nos.	1	0.200
10	Horticulture		Nos.	-	-
11	Agro-Horticulture	Hect.	Nos.	1413	0.265
12	Agro-Forestry	Hect.	Nos.	0.690	0.110
13	Vermi + Nedop Compost	No.	Nos.	5	0.500
14	Aqua Farming		Nos.	-	-
15	Potato Cultivation		Nos.	-	-
16	Green Manuring		Nos.	-	-
	<b>Total</b>			<b>13/8.353</b>	<b>2.260</b>
	<b>b. Micro-Enterprises</b>			-	-
1	Mini Dal Machine		Nos.	-	-
2	Dalia Making Machine		Nos.	-	-
3	Rope Making		Nos.	-	-
4	Basket Making		Nos.	-	-
5	Mini floor Machine		Nos.	-	-
6	Dona Pattal		Nos.	-	-
7	Candle making		Nos.	-	-
8	Black Smith		Nos.	-	-
9	Reparing of Machine & Tools		Nos.		
10	Tailoring		Nos.	1	0.500
	<b>Total</b>			<b>1</b>	<b>0.500</b>

	<b>Grand Total of WDW, Live., PS&amp; ME</b>	<b>44/157.494</b>	<b>29.833</b>
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<b>Gram Panchayat- Samuhi</b>				
			Quat.	Cost in Lacs
<b>S.No.</b>	<b>1. Work Development</b>	<b>Unit</b>	-	-
	<b>a. Land Development</b>		-	-
<b>1</b>	<b>Afforestation</b>	Ha.	6.885	1.102
<b>2</b>	<b>Agriculture</b>	Ha.	-	-
<b>3</b>	<b>Pasture</b>	Ha.	-	-
<b>4</b>	<b>Horticulture</b>	Ha.	17.625	3.304
	<b>Total</b>		<b>24.510</b>	<b>4.406</b>
	<b>b. Soil Moisture Conservation</b>		-	-
<b>1</b>	<b>Contour Bund</b>	Ha.	185.00	15.225
<b>2</b>	<b>Submarginal Bunds</b>	Ha.	185.00	15.250
<b>3</b>	<b>Marginal Bunds/ Peripheral Bunds</b>	Ha.	275.00	23.997
<b>4</b>	<b>Others / Field Bunding</b>	Ha.	-	-
	<b>Total</b>		<b>645.00</b>	<b>54.472</b>
	<b>c. Water Harvesting Structure</b>		-	-
<b>1</b>	<b>Form Ponds</b>	Nos.	-	-
<b>2</b>	<b>Check dams</b>	Nos.	62	20.078
<b>3</b>	<b>Nallah bunds</b>	Nos.	-	-
<b>4</b>	<b>Percolation tanks</b>	Nos.	-	-
<b>5</b>	<b>Ground water recharge structures</b>	Nos.	-	-

	<b>Total</b>		<b>62</b>	<b>20.078</b>
	<b>c.Veg. &amp; Engg. Structures</b>		-	-
<b>1</b>	<b>Earthen checks</b>	Ha.	-	-
<b>2</b>	<b>Brushwood checks</b>	Ha.	-	-
<b>3</b>	<b>Gully plugs</b>	Ha.	-	-
<b>4</b>	<b>Loose boulders</b>	Ha.	-	-
<b>5</b>	<b>Gabion structures</b>	Ha.	-	-
<b>6</b>	<b>Others Pucca Works</b>	Ha.	-	16.524
	<b>Total</b>		-	<b>16.524</b>
	<b>Grand Total WDW</b>		<b>66/669.510</b>	<b>95.480</b>
	<b>Funds available from IWMP</b>			<b>61.690</b>
	<b>Convergence From MNREGA</b>			<b>33.790</b>
	<b>Livelihood</b>		-	-
<b>2</b>	<b>Buffalo</b>	Nos.	14	3.500
<b>3</b>	<b>Poultry</b>	Nos.	2	0.500
<b>4</b>	<b>Bandbaza</b>	Nos.	-	-
<b>5</b>	<b>Sheet Metal</b>	Nos.	-	-
<b>6</b>	<b>Others</b>	Nos.	-	-
<b>a</b>	<b>Goatry</b>	Nos.	4	1.514
<b>b</b>	<b>Piggries</b>	Nos.	-	-
<b>c</b>	<b>Candle making</b>	Nos.	3	0.600
<b>d</b>	<b>Sweet Packs</b>	Nos.	-	-
<b>e</b>	<b>Dona Pattal</b>	Nos.	2	0.500
<b>f</b>	<b>Sewing</b>	Nos.	3	1.500



<b>g</b>	<b>Mini floor Machine</b>	Nos.	2	0.800
<b>h</b>	<b>Painting work</b>	Nos.	1	1.00
<b>i</b>	<b>Carpentry</b>	Nos.	-	-
<b>j</b>	<b>Book seller</b>	Nos.	-	-
<b>k</b>	<b>Welding(Gas/Electric)</b>	Nos.	-	-
	<b>Total</b>		<b>31</b>	<b>9.914</b>
<b>Production System &amp; Micro - Enterprices</b>			-	
	<b>Production system</b>		-	-
	<b>a.Crop Demostration Hect.</b>	Ha.	24.000	2.250
<b>1</b>	<b>Sericulture</b>	Nos.	-	-
<b>2</b>	<b>Bee Keeping</b>	Nos.	-	-
<b>3</b>	<b>Poultry No.</b>	Nos.	-	-
<b>4</b>	<b>Fisheries'</b>	Nos.	-	-
<b>5</b>	<b>Bio-Fuel Plantation</b>	Nos.	-	-
<b>6</b>	<b>Agriculture Equipment No.</b>	Nos.	23	1.380
<b>7</b>	<b>Goatry No.</b>	Nos.	4	1.600
<b>8</b>	<b>Piggries No.</b>	Nos.	-	-
<b>9</b>	<b>Buffalo rearing/ Live stock</b>	Nos.	5	1.000
<b>10</b>	<b>Horticulture</b>	Nos.	-	-
<b>11</b>	<b>Agro-Horticulture Hect.</b>	Nos.	5.576	1.046
<b>12</b>	<b>Agro-Forestry Hect.</b>	Nos.	2.754	0.440
<b>13</b>	<b>Vermi + Nedop Compost No.</b>	Nos.	15	1.500
<b>14</b>	<b>Aqua Farmimg</b>	Nos.	-	-

15	Potato Cultivation	Nos.	-	-
16	Green Manuring	Nos.	-	-
	<b>Total</b>		<b>47/32.330</b>	<b>9.216</b>
	<b>b. Micro-Enterprises</b>		-	-
1	Mini Dal Machine	Nos.	-	-
2	Dalia Making Machine	Nos.	-	-
3	Rope Making	Nos.	-	-
4	Basket Making	Nos.	-	-
5	Mini floor Machine	Nos.	-	-
6	Dona Pattal	Nos.	1	0.250
7	Carpentry	Nos.	1	0.200
8	Black Smith	Nos.	1	0.200
9	Reparing of Machine & Tools	Nos.	1	0.150
10	Tailoring	Nos.	2	1.000
	<b>Total</b>		<b>6</b>	<b>1.800</b>
	<b>Grand Total of WDW, Live., PS&amp; ME</b>		<b>146/701.840</b>	<b>116.410</b>

<b>Gram Panchayat- Lahurimau Kasimpur</b>				
			Quat.	Cost in Lacs
<b>S.No.</b>	<b>1. Work Development</b>	<b>Unit</b>	-	-
	<b>a. Land Development</b>		-	-
1	Afforestation	Ha.	3.150	0.504

2	Agriculture	Ha.	-	-
3	Pasture	Ha.	-	-
4	Horticulture	Ha.	8.064	1.512
	<b>Total</b>		<b>11.214</b>	<b>2.016</b>
	<b>b. Soil Moisture Conservation</b>		-	-
1	Contour Bund	Ha.	75.00	5.835
2	Submarginal Bunds	Ha.	75.00	5.667
3	Marginal Bunds/ Peripheral Bunds	Ha.	140.00	11.512
4	Others / Field Bunding	Ha.	-	-
	<b>Total</b>		<b>290.00</b>	<b>23.014</b>
	<b>c. Water Harvesting Structure</b>		-	-
1	Form Ponds	Nos.	-	-
2	Check dams	Nos.	29	9.729
3	Nallah bunds	Nos.	-	-
4	Percolation tanks	Nos.	-	-
5	Ground water recharge structures	Nos.	-	-
	<b>Total</b>		<b>29</b>	<b>9.729</b>
	<b>c.Veg. &amp; Engg. Structures</b>		-	-
1	Earthen checks	Ha.	-	-
2	Brushwood checks	Ha.	-	-
3	Gully plugs	Ha.	-	-
4	Loose boulders	Ha.	-	-
5	Gabion structures	Ha.	-	-

6	Others Pucca Works	Ha.	-	7.560
	<b>Total</b>		-	<b>7.560</b>
	<b>Grand Total WDW</b>		<b>32/301.214</b>	<b>42.319</b>
	<b>Funds available from IWMP</b>			<b>28.224</b>
	<b>Convergence From MNREGA</b>			<b>14.095</b>
	<b>Livelihood</b>		-	-
2	Buffalo	Nos.	4	1.000
3	Poultry	Nos.	3	0.750
4	Bandbaza	Nos.	-	-
5	Sheet Metal	Nos.	-	-
6	Others	Nos.	-	-
a	Goatry	Nos.	2	0.736
b	Piggries	Nos.	-	-
c	Candle making	Nos.	2	0.400
d	Sweet Packs	Nos.	-	-
e	Dona Pattal	Nos.	1	0.250
f	Sewing	Nos.	2	1.000
g	Tea stall	Nos.	-	-
h	Painting work	Nos.	-	-
i	Carpentry	Nos.	-	-
j	Mini floor Machine	Nos.	1	0.400
k	Welding(Gas/Electric)	Nos.	-	-
	<b>Total</b>		15	4.536
	<b>Production System &amp; Micro - Enterprices</b>		-	

	<b>Production system</b>		-	-
	<b>a.Crop Demostration Hect.</b>	Ha.	11.000	1.025
<b>1</b>	<b>Sericulture</b>	Nos.	-	-
<b>2</b>	<b>Bee Keeping</b>	Nos.	-	-
<b>3</b>	<b>Poultry</b>	Nos.	-	-
<b>4</b>	<b>Fisheries'</b>	Nos.	-	-
<b>5</b>	<b>Bio-Fuel Plantation</b>	Nos.	-	-
<b>6</b>	<b>Agriculture Equipment</b>	Nos.	12	0.720
<b>7</b>	<b>Goatry</b>	Nos.	1	0.400
<b>8</b>	<b>Piggries</b>	Nos.	-	-
<b>9</b>	<b>Buffalo rearing/ Live stock</b>	Nos.	2	0.400
<b>10</b>	<b>Horticulture</b>	Nos.	-	-
<b>11</b>	<b>Agro-Horticulture Hect.</b>	Nos.	2.632	0.494
<b>12</b>	<b>Agro-Forestry Hect.</b>	Nos.	1.260	0.202
<b>13</b>	<b>Vermi + Nedop Compost</b>	Nos.	7	0.700
<b>14</b>	<b>Aqua Farmimg</b>	Nos.	-	-
<b>15</b>	<b>Potato Cultivation</b>	Nos.	-	-
<b>16</b>	<b>Green Manuring</b>	Nos.	-	-
	<b>Total</b>		<b>22/14.892</b>	<b>3.941</b>
	<b>b. Micro-Enterprises</b>		-	-
<b>1</b>	<b>Mini Dal Machine</b>	Nos.	-	-
<b>2</b>	<b>Dalia Making Machine</b>	Nos.	-	-
<b>3</b>	<b>Rope Making</b>	Nos.	-	-

4	<b>Basket Making</b>	Nos.	-	-
5	<b>Mini floor Machine</b>	Nos.		
6	<b>Dona Pattal</b>	Nos.	1	0.250
7	<b>Candle making</b>	Nos.	-	-
8	<b>Black Smith</b>	Nos.	1	0.200
9	<b>Reparing of Machine &amp; Tools</b>	Nos.	1	0.150
10	<b>Tailoring</b>	Nos.	1	0.500
	<b>Total</b>		<b>4</b>	<b>1.100</b>
	<b>Grand Total of WDW, Live., PS&amp; ME</b>		<b>70/316.106</b>	<b>51.896</b>

**Table 5.3 :- Grampanchayat Wise details of WDW Activities-**

S. N	Name of G.P	Activity															
		Pasture Development		Soil and moisture conservation						Water Resources				Afforestation (Ha)		Horticulture (Ha)	
				Contour bund (Ha)		Submargent bund (Ha)		Marginal/Peripheral bund (Ha)		CD (No.)		Pucca Work (Lac.)		phy	Fin	phy	Fin
		phy	Fin	phy	Fin	Phy	Fin	phy	Fin	phy	Fin	phy	Fin				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Maduri	-	-	75.00	5.570	75.00	5.553	115.00	8.655	16	4.864	5	5.940	2.475	0.3960	6.336	1.1880
2	Baripal	-	-	90.00	7.099	100.00	7.819	137.00	11.233	19	5.453	6	7.200	3.000	0.4800	7.680	1.4400
3	Padri Ganga deen	-	-	105.00	8.612	110.00	8.669	125.00	10.797	-	-	5	6.120	2.550	0.4080	6.528	1.2240
4	Bandh	-	-	60.00	4.816	55.00	4.524	50.00	4.089	9	2.634	3	3.600	1.500	0.2400	3.840	0.7200
5	Sirsa	-	-	110.00	9.499	105.00	8.843	200.00	17.157	23	7.126	7	9.180	3.825	0.6120	9.792	1.836
6	Sidhoul	-	-	65.00	4.870	75.00	6.418	90.00	7.245	4	1.487	4	4.500	1.875	0.3000	4.800	0.9000
7	Maidhari	-	-	5.00	0.435	5.00	0.596	5.00	0.496	-	-	1	0.360	0.150	0.0240	0.384	0.0720
8	Dharchhuwa	-	-	50.00	4.215	50.00	4.322	75.00	5.870	16	5.639	4	4.500	1.875	0.0300	4.800	0.9000
9	Aswarmau	-	-	40.00	3.498	35.00	2.890	68.00	6.450	22	6.507	4	4.140	1.725	0.2760	4.416	0.8280
10	Samuhi	-	-	185.00	15.225	185.00	15.250	275	23.997	62	20.078	12	16.524	6.885	1.1020	17.625	3.3040
11	Lahurimau Kasimpur	-	-	75.00	5.835	75.00	5.667	140.00	11.512	29	6.729	6	7.560	3.150	0.5040	8.064	1.5120
	<b>Total</b>			<b>860.00</b>	<b>69.674</b>	<b>870</b>	<b>70.551</b>	<b>1280</b>	<b>107.501</b>	<b>200</b>	<b>60.517</b>	<b>57</b>	<b>69.624</b>	<b>29.01</b>	<b>4.64200</b>	<b>74.265</b>	<b>13.9240</b>

**Table 5.4 :- . Physical Action Plan IWMP-IIInd**

Name of Head	Name of Activity	Name of Subactivity	Unit	Target				
				2010-11	2011-12	2012-13	2013-14	2014-15
1.Watershed Development Works	1.1 Land Development (Productive use)	1.1.1 Afforestation (on wasteland)	ha	-	-	-	-	-
		1.1.2 Afforestation (on total land)	ha	-	3.886	8.471	8.289	8.367
		1.1.3 Horticulture(on wasteland)	ha	-	-	-	-	-
		1.1.4 Horticulture(on total land)	ha	-	9.946	21.682	21.217	21.416
		1.1.5 Agriculture (on wasteland)	ha	-	-	-	-	-
		1.1.6 Agriculture(on total land)	ha	-	-	-	-	-
		1.1.7 Pasture (on wasteland)	ha	-	-	-	-	-
		1.1.8 Pasture(on total land)	ha	-	-	-	-	-
		1.1.9 Others (on wasteland)	ha	-	-	-	-	-
		1.1.10 Others (on total land)	ha	-	-	-	-	-
	1.2 Soil & Moisture Conservation	1.2.1 Straggred trecnching	ha	-	-	-	-	-
		1.2.2 Countour Bunding	ha	-	404.00	217.00	216.00	-
		1.2.3 Graded Bunding	ha	-	127.00	338.00	270.00	679.00
		1.2.4 Submergent Bunds	ha	-	-	280.00	317.00	367.00
		1.2.5 Others	ha	-	-	-	-	-
	1.3 Vegetative and Engineering Structure	1.3.1 Earthen Checks	Cubic meter	-	-	-	-	-
		1.3.2 Brushwood Checks	Rmt	-	-	-	-	-
		1.3.3 Gully plugs	Cubic meter	-	-	-	-	-
1.3.4 Loose bolder		Cubic meter	-	-	-	-	-	
1.3.5 Gabian structure		Cubic meter	-	-	-	-	-	
1.3.6 Others		nos	-	-	-	-	-	



1.4 Water Harvesting Structure (New created)	1.4.1 Farm ponds	nos	-	-	-	-	-
	1.4.2 Check dams	nos	-	23	35	40	42
	1.4.3 Nallah Bunds	nos	-	-	-	-	-
	1.4.4 Percolation tanks	nos	-	-	-	-	-
	1.4.5 Ground Water recharge structure Pakka Work	nos	-	-	17	17	18
	1.4.6 Others	nos	-	-	-	-	-
1.5 Water Harvesting Structure (Renovated)	1.5.1 Farm ponds	nos	-	-	-	-	-
	1.5.2 Check dams	nos	-	-	-	-	-
	1.5.3 Nallah Bunds	nos	-	-	-	-	-
	1.5.4 Percolation tanks	nos	-	-	-	-	-
	1.5.5 Ground Water recharge structure	nos	-	-	-	-	-
	1.5.6 Others	nos	-	-	-	-	-
1.6 Water Harvesting Structure ( Storage capacity of New structures)	1.6.1 Farm ponds	Cubic meter	-	-	-	-	-
	1.6.2 Check dams	Cubic meter	-	-	-	-	-
	1.6.3 Nallah Bunds	Cubic meter	-	-	-	-	-
	1.6.4 Percolation tanks	Cubic meter	-	-	-	-	-
	1.6.5 Ground Water recharge structure	Cubic meter	-	-	-	-	-
	1.6.6 Others	Cubic meter	-	-	-	-	-
1.7 Water Harvesting Structure ( Storage capacity of Renovated structures)	1.7.2 Check dams	Cubic meter	-	-	-	-	-
	1.7.3 Nallah Bunds	Cubic meter	-	-	-	-	-
	1.7.4 Percolation tanks	Cubic meter	-	-	-	-	-

		1.7.5 Ground Water recharge structure	Cubic meter	-	-	-	-	-
		1.7.6 Others	Cubic meter	-	-	-	-	-
2.EPA	2.1 No. of EPA activities		nos	14	-	-	-	-
	2.2 No. of water extracting unit created		nos	4	-	-	-	-
3.Institution & Capacity Building	3.1 SHG Formation (Newly created)	3.1.1 No. of SHG	nos	-	90	23	23	15
		3.1.2 Total No. of SHGs members	nos	-	890	225	220	148
	3.2 Existing SHG	3.2.1 No. of SHG assisted	nos	-	-	-	-	-
		3.2.2 Total No. of SHGs members	nos	-	-	-	-	-
	3.3 UG Formation	3.3.1 No. of UG	nos	-	105	25	25	17
		3.3.2 Total No. of members of UGs	nos	-	990	246	246	168
	3.4 Formation of Federation	3.4.1 No. of Federation	nos	-	-	-	-	-
		3.4.2 WCDC	nos	-	333	84	84	54
	3.5 Capacity building	3.5.1 PIA	nos	-	28	7	7	5
		3.5.2 WDT	nos	-	12	3	3	2
3.5.3 WC			-	258	65	65	44	
4.Livelihood activities for the asset-less persons	4.1 No. of activities		nos	-	15	39	34	43
5.Production system & micro-enterprises	5.1 Crop demonstration	No. of activities	nos	-	41	103	103	166
		No. of Beneficiaries	nos	-	41	103	103	166
	5.2 Live Stock	No. of activities	nos	-	2	5	5	9
		No. of Beneficiaries	nos	-	2	5	5	9
	5.3 Agriculture Equipment	No. of activities	nos	-	10	25	25	39
		No. of Beneficiaries	nos	-	10	25	25	39
5.4 Agro Forestry	Area Covered		ha	-	5	12	12	18

	No. of Beneficiaries	nos	-	5	12	12	18
5.5 Agro Horticulture	Area Covered	ha	-	2.250	5.750	5.750	9.687
	No. of Beneficiaries	nos	-	9	23	23	39
5.6 Nedap	No. of activities	nos	-	7	17	17	25
	No. of Beneficiaries	nos	-	7	17	17	25
5.7 Black Smith	No. of activities	nos	-	1	-	1	2
	No. of Beneficiaries	nos	-	1	-	1	2
5.8 Acqua Farming	No. of activities	nos	-	-	-	-	1
	No. of Beneficiaries	nos	-	-	-	-	1
5.9 Repair of Machine & Tools	No. of activities	nos	--	-	2	1	4
	No. of Beneficiaries	nos	-	-	2	1	4
5.10 Carpentry	No. of activities	nos	-	-	1	1	2
	No. of Beneficiaries	nos	-	-	1	1	2
5.11 Knitting & Sticing	No. of activities	nos	-	1	3	3	3
	No. of Beneficiaries	nos	-	10	30	30	30
5.12 Goatry	No. of activities	nos	-	2	3	3	5
	No. of Beneficiaries	nos	-	8	15	15	25
5.13 Dona Pattal	No. of activities	nos	-	-	1	1	2
	No. of Beneficiaries	nos	-	-	5	5	10

**Table 5.5 :- Financial Action Plan**

**IWMP-IIInd**

Name of Head	Name of Activity	Name of Subactivity	Target (Rs. In Lacs.)				
			2010-11	2011-12	2012-13	2013-14	2014-15
1	2	3	4	5	6	7	8
Top of Form 1.Watershed Development Works Bottom of Form	1.1 Land Development (Productive use)	1.1.1 Afforestation	-	0.622	1.355	1.326	1.339
		1.1.2 Horticulture	-	1.865	4.065	3.978	4.016
		1.1.3 Agriculture	-	-	-	-	-
		1.1.4 Pasture	-	-	-	-	-
		1.1.5 Others	-	-	-	-	-

	1.2 Soil & Moisture Conservation	1.2.1 Straggred trecnching	-	-	-	-	-
		1.2.2 Countour Bunding	-	19.310	9.645	9.623	-
		1.2.3 Graded Bunding	-	6.984	15.010	12.019	23.507
		1.2.4 Submergent Bunds	-	-	12.466	14.115	11.879
		1.2.5 Others	-	-	-	-	-
	1.3 Vegetative and Engineering Structure	1.3.1 Earthen Checks	-	-	-	-	-
		1.3.2 Brushwood Checks	-	-	-	-	-
		1.3.3 Gully plugs	-	-	-	-	-
		1.3.4 Loose bolder	-	-	-	-	-
		1.3.5 Gabian structure	-	-	-	-	-
		1.3.6 Others	-	-	-	-	-
	1.4 Water Harvesting Structure (New Created)	1.4.1 Farm ponds	-	-	-	-	-
		1.4.2 Check dams	-	6.197	9.295	10.659	11.030
		1.4.3 Nallah Bunds	-	-	-	-	-
		1.4.4 Percolation tanks	-	-	-	-	-
		1.4.5 Ground Water recharge structure Pakka Work	-	-	23.208	23.208	23.208
		1.4.6 Others	-	-	-	-	-
	1.5 Water Harvesting Structure (Renovated)	1.5.1 Farm ponds	-	-	-	-	-
		1.5.2 Check dams	-	-	-	-	-
		1.5.3 Nallah Bunds	-	-	-	-	-
1.5.4 Percolation tanks		-	-	-	-	-	
1.5.5 Ground Water recharge structure		-	-	-	-	-	
1.5.6 Others		-	-	-	-	-	
2.Administrative Cost	2.1 Others	4.642	4.642	12.532	12.532	12.068	
3.Monitoring	3.1 Monitoring of Projects	-	0.928	0.928	0.928	1.858	
5.Institution &	5.1 SHG Formation	-	6.675	1.669	1.668	1.110	

Capacity Building	5.2 UG Formation	-	2.477	0.617	0.617	0.420
	5.3 Formation of Federation	-	-	-	-	-
	5.4 WCDC	-	2.506	0.627	0.626	0.411
	5.5 PIA	-	0.210	0.052	0.053	0.1038
	5.6 WDT	-	0.060	0.019	0.020	0.010
	5.7 WC	-	1.161	0.292	0.293	0.194
6.DPR	6.1 Preparation Of DPR	4.642	-	-	-	-
7.Livelihood activities for the asset-less persons	7.1 Plan for Livelihood activities	-	4.642	11.604	11.604	13.924
8.Production system & micro-enterprises	8.1 Crop Demostration	-	0.950	2.375	2.375	3.800
	8.2 Live Stock	-	0.400	1.000	1.000	1.800
	8.3 Agriculture Equipment	-	0.600	1.500	1.500	2.340
	8.4 Agro Forestry	-	0.200	0.480	0.480	0.687
	8.5 Agro Horticulture	-	0.422	1.078	1.078	1.816
	8.6 Nedap	-	0.700	1.700	1.700	2.500
	8.7 Black Smith	-	0.200	-	0.200	0.400
	8.8 Acqua Farming	-	-	-	-	0.200
	8.9 Repair of Machine & Tools	-	-	0.300	0.150	0.600
	8.10 Carpentry	-	-	0.200	0.200	0.400
	8.11 Knitting & Sticking	-	0.500	1.500	1.500	1.500
	8.12 Goatry	-	0.675	1.200	1.200	2.000
	8.13 Dona Pattal	-	-	0.250	0.250	0.500

**Table 5.6 :- GRAM PANCHAYAT WISE ACTION PLAN OF LIVILIHOD**

GRAM PANCHAYAT WISE ACTION PLAN OF LIVILIHOD, FOR THE 2011-12, IWMP-II DISTRICT- Kanpur nagar																						
S.No.	NAME OF GRAM PANCHAYAT	Dairy		Poultry		Goatry		Candle Making		Sewing Machine		Mini Floor		General Merchant		Dona Pattal		AMOUNT IN LACS				
																		Dairy		Total		
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.
1	Maduri	-	--	-	-	1	0.396	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.396
2	Baripal	-	-	1	0.250	-	-	1	0.200	-	-	-	-	-	-	-	-	-	-	-	2	0.450
3	Padri Ganga deen	-	-	-	-	1	0.400	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.400
4	Bandh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.240	-	-	1	0.240
5	Sirsa	-	-	-	-	1	0.400	1	0.200	-	-	-	-	--	-	-	-	-	-	-	2	0.600
6	Sidhoul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.250	-	-	1	0.250
7	Maidhari	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Dharchhuwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.250	-	-	1	0.250
9	Aswarmau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.250	-	-	1	0.250
10	Samuhi	2	0.500	-	-	1	0.400	1	0.200	-	-	-	-	-	-	-	-	-	-	-	4	1.100
11	Lahurimau Kasimpur	-	-	-	-	-	-	-	-	1	0.500	-	-	-	-	-	-	-	-	-	1	0.500
	<b>Total</b>	2	0.500	1	0.250	4	1.596	3	0.600	1	0.500	-	-	-	-	-	4	1.000	-	-	15	4.436

**GRAM PANCHAYAT WISE ACTION PLAN OF LIVELIHOOD, FOR THE 2012-13, IWMP-II DISTRICT- Kanpur nagar**

S. N.	NAME OF GRAM PANCHAYAT	Dairy		Poultry		Goatry		Candle Making		Sewing Machine		Mini Floor		General Merchant		Dona Pattal		Dairy		Poultry		AMOUNT IN LACS			
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Dairy		Total	
																						Phy	Fin.	Phy	Fin.
1	Maduri	2	0.490	1	0.250	-	-	-	-	-	-	-	-	-	-	1	0.250	-	-	-	-	-	-	4	0.990
2	Baripal	2	0.500	-	-	1	0.400	-	--	-	-	-	-	-	-	1	0.250	-	-	--	-	-	-	4	1.150
3	Padri Ganga deen	2	0.500	-	-	-	-	-	-	1	0.500	-	-	-	-	-	-	-	-	-	-	-	-	3	1.000
4	Bandh	-	-	-	-	-	-	1	0.200	-	-	1	0.400	-	-	-	-	-	-	-	-	-	-	2	0.600
5	Sirsa	2	0.500	1	0.250	-	-	-	-	1	0.500	-	-	-	-	1	0.250	-	-	-	-	-	-	5	1.500
6	Sidhoul	-	-	-	-	1	0.400	-	-	-	-	1	0.400	-	-	-	-	-	-	-	-	-	-	2	0.800
7	Maidhari	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Dharchhuwa	2	0.500	1	0.250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	0.750
9	Aswarmau	2	0.500	-	-	-	-	1	0.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	0.700
10	Samuhi	4	1.000	1	0.250	1	0.400	1	0.200	1	0.500	1	0.400	-	-	-	-	-	-	--	-	-	-	9	2.750
11	Lahurimau Kasimpur	2	0.500	1	0.400	-	-	-	-	-	-	-	-	-	-	1	0.250	-	-	--	-	-	-	4	1.150
	<b>Total</b>	<b>18</b>	<b>4.490</b>	<b>4</b>	<b>1.000</b>	<b>4</b>	<b>1.600</b>	<b>3</b>	<b>0.600</b>	<b>3</b>	<b>1.500</b>	<b>3</b>	<b>1.200</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>1.000</b>	<b>-</b>	<b>-</b>	<b>--</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>39</b>	<b>11.390</b>

**GRAM PANCHAYAT WISE ACTION PLAN OF LIVELIHOOD, FOR THE 2013-14, IWMP-II DISTRICT- Kanpur nagar**

S .No.	NAME OF GRAM PANCHAYAT	Dairy		Poultry		Goatry		Candle Making		Sewing Machine		Mini Floor		General Merchant		Dona Pattal		Dairy		Poultry		AMOUNT IN LACS			
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Dairy		Total	
																						Phy.	Fin.	Phy.	Fin.
1	Maduri	2	0.490	-	-			-	-	1	0.500	-	-	-	-	-	-	-	-	-	-	-	-	2	0.990
2	Baripal	-	-					1	0.200	1	0.500	1	0.400	-	-	-	-	-	-	-	-	-	-	3	1.100
3	Padri Ganga deen	-	-	-	-	1	0.400	1	0.200	-	-	1	0.400	-	-	-	-	-	-	-	-	-	-	3	1.000
4	Bandh			-	-					1	0.500	-	-	-	-	-	-	-	-	-	-	-	-	1	0.500
5	Sirsa	2	0.500	-	-	1	0.400	1	0.200	-	-	1	0.400	-	-	-	-	-	-	-	-	-	-	5	1.500
6	Sidhoul	-	-	1	0.250	-	-	-	-	1	0.500	-	-	-	-	-	-	-	-	-	-	-	-	2	0.750
7	Maidhari	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-	-	-	-	-	-
8	Dharchhuwa	-	-	-	-	-	-	1	0.200	1	0.500	-	-	-	-	-	-	-	-	-	-	-	-	2	0.700
9	Aswarmau	-	-	-	-	-	-	1	0.200	1	0.500	-	-	-	-	-	-	-	-	-	-	-	-	2	0.700
10	Samuhi	4	1.000	1	0.250	1	0.400	1	0.200	1	0.500	1	0.400	-	-	-	-	-	-	-	-	-	-	9	2.750
11	Lahurimau Kasimpur	2	5.00	1	0.250	-	-	1	0.200	-	-	1	0.400	-	-	-	-	-	-	-	-	-	-	5	1.350
12	Total	10	2.490	3	0.750	3	1.200	7	1.400	7	3.500	5	2.000	-	-	-	-	-	-	-	-	-	-	34	11.340



**GRAM PANCHAYAT WISE ACTION PLAN OF LIVILIHOD, FOR THE 2014-15, IWMP-II DISTRICT- Kanpur nagar**

S.No.	NAME OF GRAM PANCHAYAT	Dairy		Poultry		Goatry		Candle Making		Sewing Machine		Mini Floor		General Merchant		Dona Pattal		AMOUNT IN LACS			
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Dairy		Total	
																		Phy.	Fin.	Phy.	Fin.
1	Maduri	-	-	-	-	2	0.800	-	-	-	-	1	0.388	-	-	-	-	-	-	3	1.188
2	Baripal	2	0.500	-	-	1	0.400	-	-	1	0.500	-	-	-	-	1	0.220	-	-	5	1.620
3	Padri Ganga deen	2	0.500	-	-	1	0.322	1	0.200	-	-	-	-	-	-	1	0.250	-	-	5	1.272
4	Bandh	2	0.500	-	-	1	0.320	-	-	-	-	-	-	-	-	-	-	-	-	3	0.820
5	Sirsa	-	-	-	-	1	0.408	-	-	1	0.500	-	-	1	1.000	-	-	-	-	3	1.908
6	Sidhoul	2	0.500	-	-	1	0.400	-	-	-	-	-	-	-	-	-	-	-	-	3	0.900
7	Maidhari	-	-	-	-	1	0.216	-	-	-	-	-	-	-	-	-	-	-	-	1	0.216
8	Dharchhuwa	3	0.600	-	-	1	0.400	-	-	-	-	-	-	-	-	-	-	-	-	4	1.000
9	Aswarmau	-	-	-	-	1	0.434	-	-	-	-	1	0.400	-	-	-	-	-	-	2	0.834
10	Samuhi	4	1.000	-	-	1	0.314	-	-	1	0.500	-	-	1	1.000	2	0.500	-	-	9	3.314
11	Lahurimau Kasimpur	-	-	2	0.500	1	0.336	1	0.200	1	0.500	-	-	-	-	-	-	-	-	5	1.536
12	<b>Total</b>	15	3.600	2	0.500	12	4.350	2	0.400	4	2.000	2	0.788	2	2.000	4	0.970	-	-	43	14.608

**Table 5.7 :- PRODUCTION SYSTEM & MICRO ENTERPRISES ACTION PLAN**  
**Crop Demonstration /Seed and Fertilizer Distribution:**

Gram Panchayat	Kharif(ha)											Rabi											Total					
	Arahar			Jwar			Till			Urd / Moong			Wheat			Gram			Pea			Mustard						
	Phy.		Fin.	Phy.		Fin.	Phy.		Fin.	Phy.		Fin.	Phy.		Fin.	Phy.		Fin.	Phy.		Fin.	Phy.		Fin.				
	Area	No. Beneficiary		Area	No. Beneficiary		Area	No. Beneficiary		Area	No. Beneficiary		Area	No. Beneficiary		Area	No. Beneficiary		Area	No. Beneficiary		Area	No. Beneficiary		Area	No. Beneficiary	Area	No. Beneficiary
Maduri	1.50	6	15000	0.750	3	3000	0.500	2	5000	0.500	2	2000	3.00	12	30000	1.00	4	10000	0.250	1	2500	1.250	5	12500	8.750	35	80000	
Baripal	2.50	10	25000	0.750	3	3000	0.500	2	5000	0.500	2	2000	4.00	16	40000	1.00	4	10000	0.250	1	2500	1.250	5	12500	10.750	43	100000	
Padri Ganga deen	1.50	6	15000	0.750	3	3000	0.500	2	5000	0.500	2	2000	3.00	12	30000	1.250	5	12500	0.250	1	2500	1.250	5	12500	9.00	36	82500	
Bandh	1.00	4	10000	0.750	3	3000	0.500	2	5000	0.500	2	2000	1.750	7	17500	0.500	2	5000	0.250	1	2500	0.500	2	5000	5.750	23	50000	
Sirsa	3.00	12	30000	0.500	2	2000	0.750	3	7500	0.750	3	3000	5.250	21	52500	1.500	6	15000	0.250	1	2500	1.250	5	12500	13.250	53	125000	
Sidhoul	1.00	4	10000	0.750	3	3000	0.500	2	5000	0.500	2	2000	2.750	11	27500	0.750	3	7500	0.250	1	2500	0.500	2	5000	7.00	28	62500	
Maidhari	-	-	-	-	-	-	-	-	-	-	-	-	0.500	2	5000	-	-	-	-	-	-	-	-	-	-	0.500	2	5000
Dharchhuwa	1.00	4	10000	0.750	3	3000	0.500	2	5000	0.500	2	2000	2.750	11	27500	0.750	3	7500	0.250	1	2500	0.500	2	5000	7.00	28	62500	
Aswarmau	1.25	5	12500	0.750	3	3000	0.500	2	5000	0.500	2	2000	2.00	8	20000	0.500	2	5000	0.250	1	2500	0.500	2	5000	6.250	25	55000	
Samuhi	6.00	24	60000	1.500	6	6000	1.00	4	10000	1.00	4	4000	8.00	32	80000	3.500	14	35000	0.500	2	5000	2.500	10	25000	24.00	96	225000	
Lahurima u Kasimpur	2.50	10	25000	0.750	3	3000	0.500	2	5000	0.500	2	2000	4.00	16	40000	1.250	5	12500	0.250	1	2500	1.250	5	12500	11.00	44	102500	
<b>Total</b>	<b>21.25</b>	<b>85</b>	<b>212500</b>	<b>8</b>	<b>32</b>	<b>32000</b>	<b>5.75</b>	<b>23</b>	<b>57500</b>	<b>505.25</b>	<b>23</b>	<b>23000</b>	<b>37</b>	<b>148</b>	<b>370000</b>	<b>12</b>	<b>48</b>	<b>120000</b>	<b>2.75</b>	<b>11</b>	<b>27500</b>	<b>10.75</b>	<b>43</b>	<b>107500</b>	<b>103.25</b>	<b>413</b>	<b>950000</b>	

**Table 5.8 :- G.P. Wise Production System & Micro Enterprises --**

**Physical Plan**

Gram panchayat	No. of Live stock	Agriculture Equipment	Agro Forestry (ha)	Agro Horticulture (ha)	Nedap Compost (nos)	Black Smith	Acqua Farming	Goatry	Reparing Of Machines And Tools	Carpentry	Knitting @ Sticing	Dona Pattal
Maduri	2	9	0.990	2.195	5	0	0	1	0	0	1	1
Baripal	2	10	1.200	2.442	7	1	0	1	1	1	1	0
Padri Gangadeen	2	9	1.020	1.609	6	0	0	1	1	1	1	0
Bandh	1	5	0.600	1.354	3	1	0	1	1	0	0	0
Sirsa	3	14	1.530	3.121	9	0	1	1	1	1	1	1
Sidhoul	2	5	0.750	1.360	4	0	0	1	0	0	1	0
Maidhari	-	-	0.060	0.162	--	0	0	0	1	0	0	0
Dharchhuwa	1	6	0.750	1.573	5	0	0	1	0	0	1	0
Aswarmau	1	6	0.690	1.413	5	0	0	1	0	0	1	0
Samuhi	5	23	2.754	5.576	15	1	0	4	1	1	2	1
Lahurimau Kasimpur	2	12	1.260	2.632	7	1	0	1	1	0	1	1
<b>Total</b>	<b>21</b>	<b>99</b>	<b>11.604</b>	<b>23.437</b>	<b>66</b>	<b>4</b>	<b>1</b>	<b>13</b>	<b>7</b>	<b>4</b>	<b>10</b>	<b>4</b>

**Table 5.9 :- G.P. Wise Production System & Micro Enterprises**

**Financial plan**

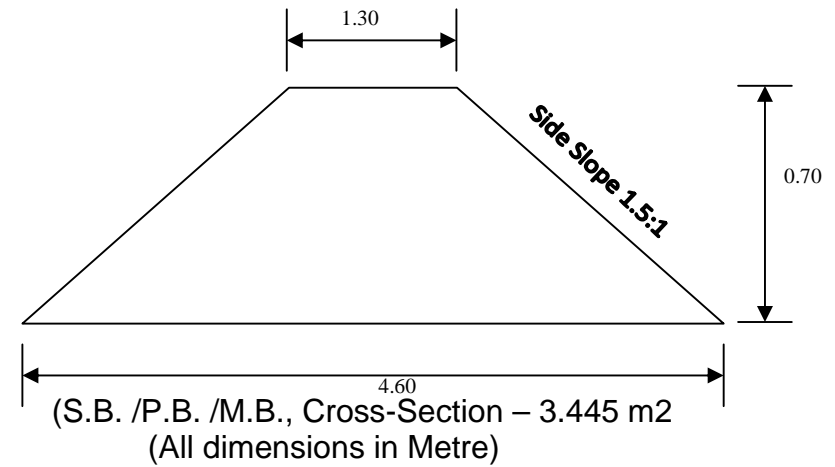
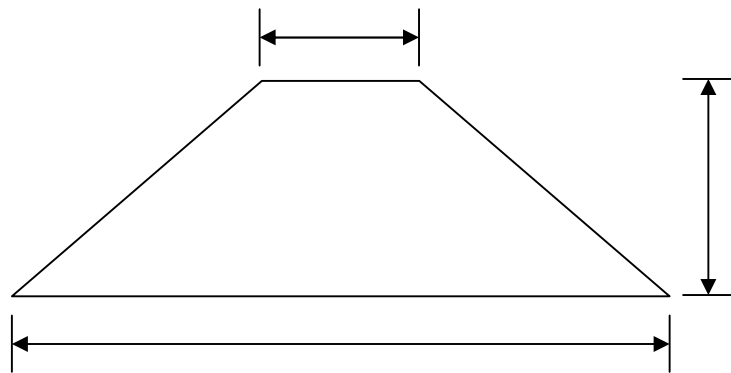
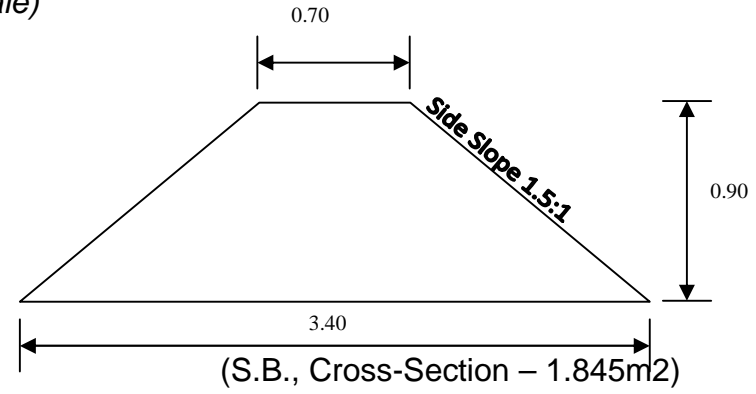
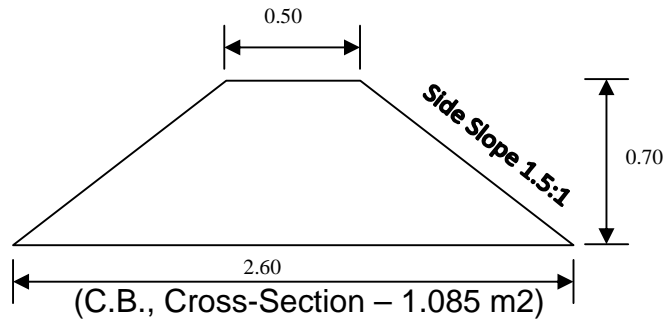
Amount in Lacs

Gram panchayat	Live stock	Agriculture Equipment	Agro Forestry	Agro Horticulture	Nedap Composet	Black Smith	Acqua Farming	Goatry	Reparing Of Machines And Tools	Carpentry	Knitting @ Sticking	Dona Pattal	Total
Maduri	0.400	0.540	0.158	0.412	0.500	0	0	0.400	0	0	0.500	0.250	3.16
Baripal	0.400	0.600	0.192	0.458	0.700	0.200	0	0.400	0.150	0.200	0.500	0	3.8
Padri Ganga deen	0.400	0.540	0.163	0.302	0.600	0	0	0.400	0.150	0.200	0.500	0	3.255
Bandh	0.200	0.300	0.096	0.254	0.300	0.200	0	0.400	0.150	0	0	0	1.9
Sirsa	0.600	0.840	0.245	0.585	0.900	0	0.200	0.400	0.150	0.200	0.500	0.250	4.87
Sidhoul	0.400	0.300	0.120	0.255	0.400	0	0	0.400	0	0	0.500	0	2.375
Maidhari	-	-	0.010	0.030	-	0	0	0	0.150	0	0	0	0.19
Dharchhuwa	0.200	0.360	0.120	0.295	0.500	0	0	0.400	0	0	0.500	0	2.375
Aswarmau	0.200	0.360	0.110	0.265	0.500	0	0	0.275	0	0	0.500	0	2.21
Samuhi	1.000	1.380	0.440	1.046	1.500	0.200	0	1.600	0.150	0.200	1.000	0.250	8.766
Lahurimau Kasimpur	0.400	0.720	0.202	0.494	0.700	0.200	0	0.400	0.150	0	0.500	0.250	4.016
<b>Total</b>	<b>4.200</b>	<b>5.940</b>	<b>1.856</b>	<b>4.394</b>	<b>6.600</b>	<b>0.800</b>	<b>0.200</b>	<b>5.075</b>	<b>1.050</b>	<b>0.800</b>	<b>5.000</b>	<b>1.000</b>	36.917

# **Detail Estimate and Drawing of watershed Development Work**

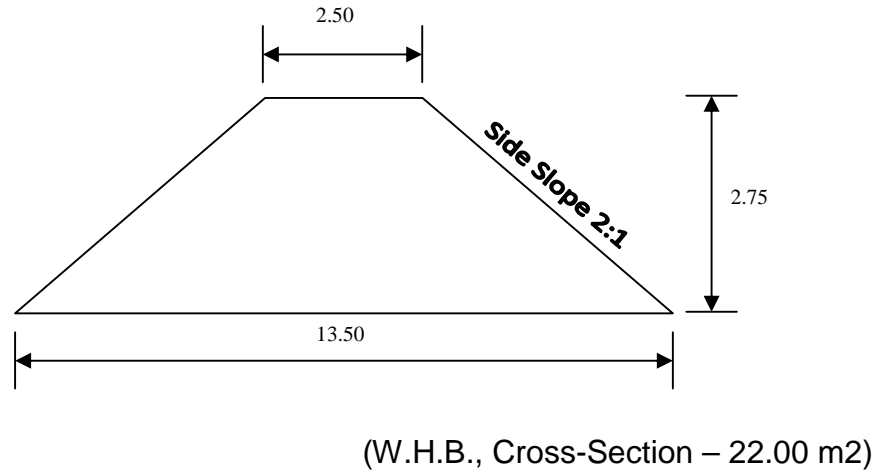
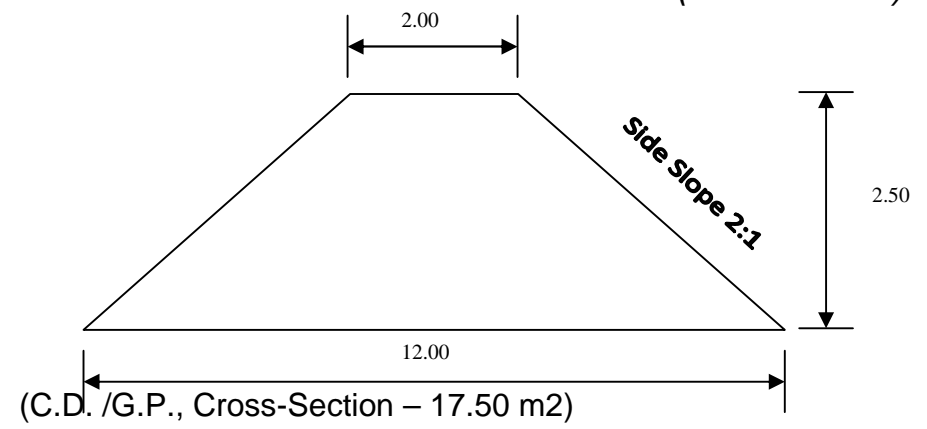
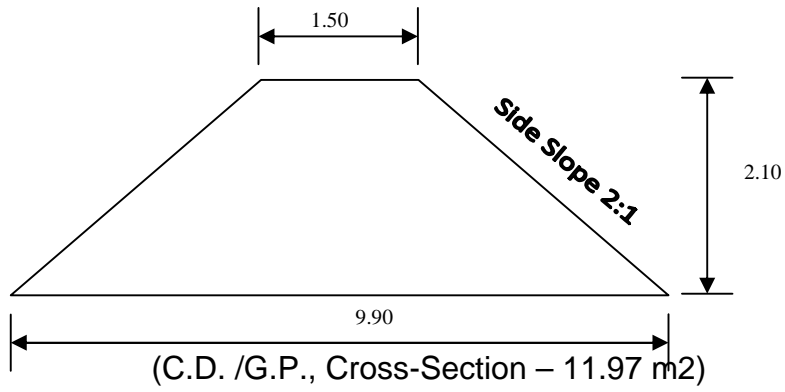
**DRAWING OF C.B., S.B., P.B., AND M.B.**

*(Not to Scale)*



# DRAWING OF EARTHEN CHEKDAM / GULLY PLUG

(Not to Scale)



(All dimensions in Metre)

### TYPICAL SECTION OF FIELD BUND

Top width	= 0.50 m
Side slope	= 1:1
Height of bound	= 0.50 m
Bottom Width	= 1.50 m
Cross section	= $(0.50+1.50) \times 0.50 / 2 = 0.50 \text{ m}^2$
Length per hectare	= 200 m
Earthwork	= $200 \times 0.50 = 100 \text{ cum}$
Cost 39.16/cum	= Rs. 3916.00
Cost per hectare	= Rs. 3916.00

### TYPICAL SECTION OF P.B., M.B.

Top width	= 0.70 m
Side slope	= 1.5:1
Height	= 1.30 m
Bottom	= 4.60 m
Cross section	= $(0.70+4.60) \times 1.30 / 2$ = 3.445 m <sup>2</sup>
Cost/ meter	= Rs. 142.00

### TYPICAL SECTION OF EARTHEN CHECK DAM / GULLY PLUG

Top width	= 1.50 m
Side slope	= 2:1
Height	= 2.10m
Bottom Width	= 9.90 m
Cross section	= $(1.50 + 9.90) \times 2.10 / 2$ = 11.97 m <sup>2</sup>
Cost per meter	= Rs. 551.45

### TYPICAL SECTION OF CHECK DAM / GULLY PLUG



Top width	= 2.00m
Side slope	= 2:1
Height	= 2.50 m
Bottom Width	= 12.00 m
Cross Section	= $(2.00 + 12.00) \times 2.50 / 2$ = 17.50 m <sup>2</sup>
Cost /meter	= Rs. 839.12

### TYPICAL SECTION OF W.H.B

Top width	= 2.50 m
Side slope	= 2:1
Height	= 2.75 m
Bottom Width	= 13.50 m
Cross section	= $(2.50 + 13.50) \times 2.75 / 2$ = 22.00 m <sup>2</sup>
Per meter cost	= Rs. 1085.92

### Design of Drop Spillway for 1.00 ha Catchment Area

Design of Drop Spillway to be constructed at a place in a gully having width of 1.0 m and catchment area 1.00 ha and net drop 0.50 m Taking rainfall intensity for duration equal to time of concentration of watershed and design return period of 25 years , as 120mm/hr. The coefficient of runoff for the watershed is 0.50

**1. Hydrologic design-** The design peak runoff rate (m<sup>3</sup>/s) for the watershed from Rational formula is given as:

$$Q = \frac{C.I.A.}{360} = \frac{0.50 \times 120 \times 1.00}{360} = \frac{36}{360} = 0.10 \text{ cum/second}$$

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

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

To find suitable value of L & H

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

$$0.10 = \frac{1.711 L H^{3/2}}{(1.10 + 0.01 \times 0.5)} = \frac{1.711 L H^{3/2}}{(1.105)}$$

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

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

$$H = (0.128)^{2/3} = 0.25 \text{ m}$$

$$\text{Test: } L/h = \frac{0.50}{0.25} = 2.0 \text{ } 2.0 \text{ hence O.K.}$$

$$h/f = \frac{0.25}{0.50} = 0.50 \text{ } 0.5 \text{ hence O.K.}$$

**3. Structural design –**

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

$$E = 3 \times 0.5 + 0.6 \text{ or } 1.5 \times 0.50$$

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

Adopted 2.10 m

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

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

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

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

$$\begin{aligned}
 J &= 2h \text{ or } [f + h + S - (LB + 0.10)/2] \text{ whichever is greater} \\
 &= 2 \times 0.50 \text{ or } [0.50 + 0.50 + 0.16 - (1.37 + 0.10)/2] \\
 &= 1.0 \text{ or } [1.16 - 0.735] \\
 &= 1.0 \text{ or } 0.425
 \end{aligned}$$

adopt  $J = 1.00 \text{ m}$

$$\begin{aligned}
 5- \quad M &= 2(f + 1.33h - J) = 2(0.50 + 1.33 \times 0.25 - 1.00) \\
 &= 2 \times (-0.167) = -0.335 \text{ m}
 \end{aligned}$$

$$\begin{aligned}
 6- \quad K &= (LB + 0.1) - M = (1.37 + 0.1) - 0.335 \\
 &= 1.47 - 0.335 \\
 &= 1.135 \text{ m}
 \end{aligned}$$

Toe and cut off walls

$$\begin{aligned}
 \text{Normal scour depth (N S D)} &= 0.473 \times (Q/f)^{1/3} \\
 &= 0.473 \times (0.1/1)^{1/3} \\
 &= 0.473 \times 0.464 \\
 &= 0.219
 \end{aligned}$$

$$\begin{aligned}
 \text{Maximum Scour depth (M S D)} &= 1.5 \times \text{N S D} \\
 &= 1.5 \times 0.219 \\
 &= 0.328 \text{ m}
 \end{aligned}$$

says 0.35 m

$$\text{Depth of cutoff /Toe wall} = 0.35 \text{ m}$$

**Apron thickness** : For an over fall of 0.5 m. The Apron thickness in concrete construction is 0.20 m since the structure is constructed in masonry, the Apron thickness will be  $0.20 \times 1.50 = 0.30 \text{ m}$

**Wall thickness**: The thickness of different wall of the structure (masonry construction) is given below:

Description	Thickness of wall	
	Top width	Bottom width
Head wall	0.40	1.00
Side wall	0.30	0.80
Wing wall and head wall extension	0.30	0.60

## DETAIL ESTIMATE OF DROP SPILLWAY OF CREST LENGTH 0.5 METRE

### 1. Earth work in cutting in foundation

S.No.	Description of work	No.	L	B	D/H	Quantity
1	Side wall	2	1.50	1.00	1.15	3.45
2	Head wall	1	0.50	1.20	1.15	0.69
3	Head wall extension	2	2.20	0.80	1.15	4.04
4	Wing wall	2	1.15	0.80	1.15	2.11
5	Toe wall	1	0.50	0.80	0.60	0.24
6	Cut off wall	1	4.70	0.80	0.60	2.25
7	Apron	1	0.50	1.50	0.60	0.45
Total						13.23 cum

### 2. C.C.W. 1: 3: 6 in foundation

S.No.	Description of work	No.	L	B	D/H	Quantity
1	Cut off wall	1	4.7	0.60	0.15	0.423
2	Head wall	1	0.50	0.35	0.15	0.0263
3	Side wall	2	1.50	0.80	0.15	0.180
4	Wing wall	2	1.15	0.80	0.15	0.276
5	Toe wall	1	0.50	0.80	0.15	0.060
6	Apron	1	0.50	1.50	0.15	0.112
Total						cum

### 3. Brick Work 1:4

S.No.	Description of work	No.	L	B	D/H	Quantity
1	Cut off wall	1	4.70	0.60	0.30	0.846
		1	4.70	0.45	0.60	0.269
		1	0.50	0.75	0.30	0.112
2	Head wall	1	0.50	0.60	0.60	0.180
		1	0.50	(0.45 + 0.60) / 2	0.60	0.150
		2	2.10	0.60	0.30	0.378
3	Head wall extension	2	2.10	0.45	0.60	0.567

		2	2.10	0.35	0.60	0.441
		2	2.10	0.23	0.70	0.338
4	Side wall	2	1.50	0.75	0.30	0.337
		2	1.50	0.60	0.60	0.540
		2	1.50	0.45	0.60	0.450
		2	1.50	0.35	0.40	0.210
		2	(0.35 + 1.50) / 2	0.23	0.30	0.064
5	Wing wall	2	1.15	0.60	0.30	0.207
		2	1.15	0.45	0.60	0.310
		2	1.15	0.35	(1.00 + 0) / 2	0.200
6	Toe wall	1	0.50	0.60	0.30	0.090
		1	0.50	0.45	0.60	0.135
		1	0.50	0.35	0.15	0.026
7	Apron	1	0.50	1.50	0.35	0.262
Total						5.805cum

#### 4. C.C.W. 1:2:4 on the wall

S.No.	Description of work	No.	L	B	D/H	Quantity
1	Head wall	1	0.50	0.40	0.025	0.005
2	Side wall	2	0.35	0.40	0.025	0.007
		2	1.18	0.40	0.025	0.023
3	Head wall extension	2	2.10	0.40	0.025	0.042
4	Wing wall	2	1.52	0.40	0.025	0.030
5	Toe Wall	1	0.50	0.40	0.025	0.005
6	Apron	1	0.50	1.50	0.025	0.018
Total						0.130 cum

#### 5. Raised Pointing 1:3

S.No.	Description of work	No.	L	B	D/H	Quantity
1	Head wall	1	0.50	-	0.60	0.30
		1	0.50	-	0.84	0.42
2	Side wall	2	1.50	-	1.00	3.00

		2	$(0.35 + 1.50) / 2$	-	0.30	0.55
3	Head wall extension	2	2.10	-	1.00	4.20
4	Wing wall	2	1.15	-	$(1.00 + 0) / 2$	1.15
Total						9.62 m2

### CONSUMPTION OF MATERIALS

S.No.	Particulars	Quantity	Cement (Bags)	Coarse Sand (cum)	Bricks (cum)	G.S.B 25-40 mm (cum)	G.S. Grit 10-20 mm (cum)
1.	C.C.W. 1:4:8	1.0773 cum	3.71	0.49	366	--	--
2.	Brick Work	5.805 cum	10.45	1.60	2902	--	--
3.	C.C.W. 1:2:4	0.130 cum	0.45	0.05	--	--	0.110
4.	Raised Pointing 1:2	9.62 m2	0.57	0.35	--	--	--
<b>Total</b>			<b>15.18</b>	<b>2.50</b>	<b>3268</b>	<b>---</b>	<b>0.110</b>
<b>Say</b>			<b>15 Bags</b>				

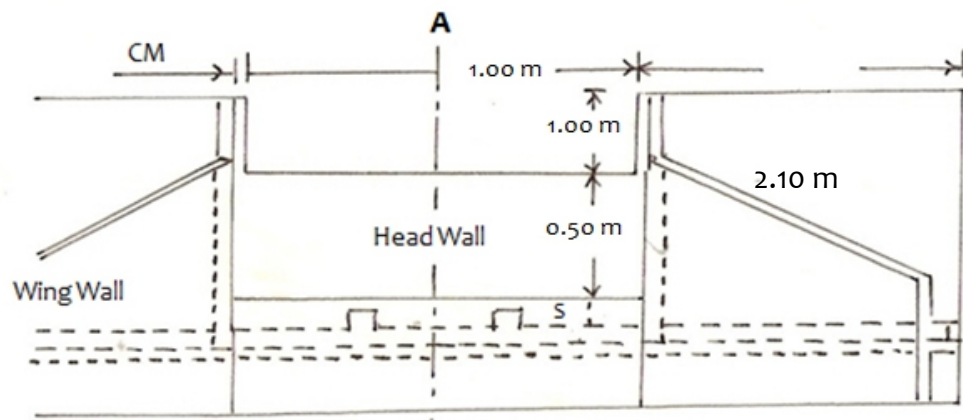
### COST OF MATERIALS

S.NO	Name of materials	Quantity	Rate	Amount
1.	Cement	15x3 Bags	300.00/bag	4500.00
2.	Coarse sand	2.5x2200 cum	2200.00/cum	5500.00
3.	Bricks	3300 cum	5000.00/cum	16500.00
4.	Grit 10-20 mm	0.110 cum	1250.00/cum	137.50
<b>Total</b>				<b>Rs. 26637. 00</b>

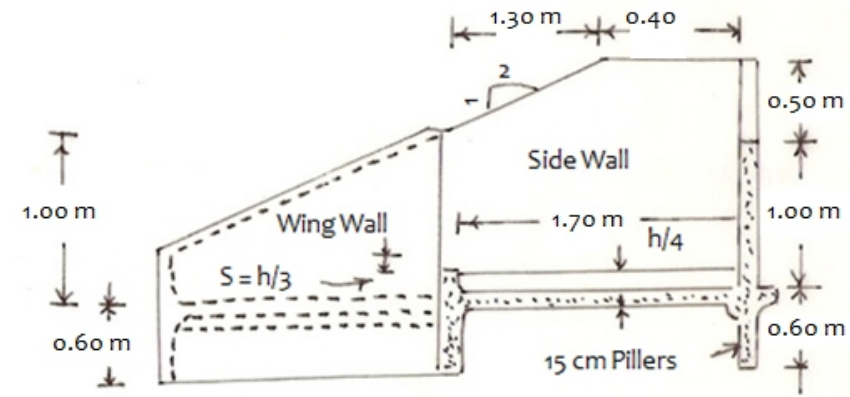
### LABOUR CHARGE

S.No.	Particulars	Quantity	Rate	Amount
1.	Earth Work	13.23 cum	32.57/cum	430.00
2.	C.C.W. 1:4:8	1.0773Cum	494/cum	532.00
3.	Brick Work	5.805 cum	385/cum	2234.00
4.	C.C.W. 1:2:4	0.130 cum	494/cum	64.22
5.	Raised Pointing	9.62 m2	51.61/m2	496.48
6.	Curing	5.805 cum	25.00/cum	145.00
7.	Chowkidar	6 Man Days	100.00/Man Day	600.00
8.	Head load & local transportation cost 10% cost of material	-	-	2663.00
<b>Total</b>				<b>Rs. 7164.70</b>

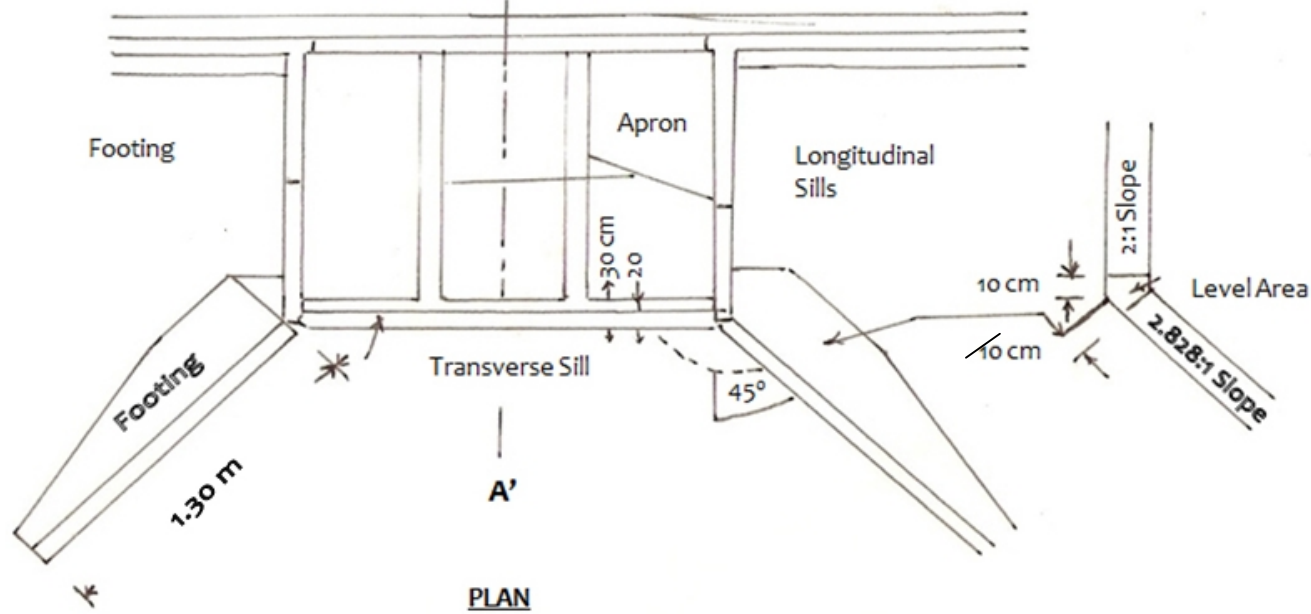
Total Expenditure	
1. Cost of materials	26637.00
2. Labour Charges	7164.00
<b>Total</b>	<b>Rs. 33801.00</b>
<b>Say Rs. 33800.00 only</b>	



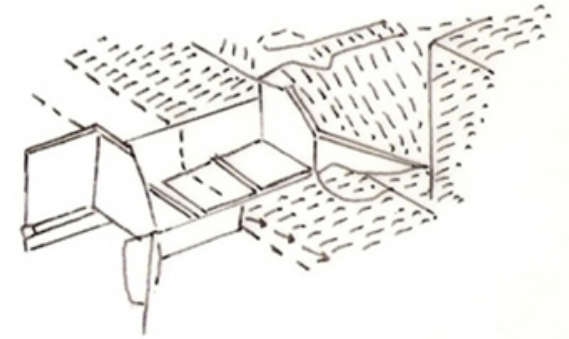
**DOWN STREAM ELEVATION**



**SECTION ON A-A'**



**PLAN**



**PERSPECTIVE VIEW**



**1. Hydrologic design-** The design peak runoff rate (m<sup>3</sup>/s) for the watershed from Rational formula is given as:

$$Q = \frac{C.I.A.}{360} = \frac{0.3 \times 120 \times 5.0}{360} = 0.50 \text{ m}^3/\text{s}$$

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

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

To find suitable value of L & H

Let us assume L = 1.0 m (since width of gulley is 2.00 m)

$$0.50 = \frac{1.711 L H^{3/2}}{(1.1 + 0.01 \times 0.5)} = \frac{1.711 L H^{3/2}}{1.2}$$

$$L H^{3/2} = \frac{1.20 \times 0.5}{1.711} = 0.350$$

$$H^{3/2} = \frac{0.375}{1.711 \times 4} = 0.35$$

$$H = (0.350)^{2/3} = 0.49 \text{ m says } 0.50 \text{ m}$$

$$\text{Test: } L/h = \frac{1.00}{0.50} = 2.00 \text{ } 2.0 \text{ hence O.K.}$$

$$h/f = \frac{0.50}{1.00} = 0.5 \text{ } 5 \text{ hence O.K.}$$

Hence the designed hydraulic dimensions of the Spillway are:

$$\text{Crest Length (L)} = 1.00 \text{ m}$$

$$\text{Weir depth (h)} = 0.50 \text{ m}$$

### 3. Structural design –

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

$$E = 3 \times 0.50 + 0.6 \text{ or } 1.5 \times 1$$

$$E = (1.5 + 0.60) \text{ or } 2.10 \text{ m}$$

$$= 2.10 \text{ or } 1.50$$

$$\text{Adopted} = 2.10 \text{ m}$$

2- Length of apron basin  $LB = f (2.28 h/f + 0.54) = 1 (2.28 \times 0.50 + 0.54)$

1.0

$$= 1.14 + 0.54 = 1.68 \text{ m}$$

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

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

$$J = 2h \text{ or } [f + h + S - (LB + 0.10)/2] \text{ whichever is greater}$$

$$= 2 \times 0.50 \text{ or } [1.0 + 0.50 + 0.16 - (1.68 + 0.10)/2]$$

$$= 1.0 \text{ or } [1.66 - 0.89]$$

$$= 1.00 \text{ or } 0.77$$

adopt J = 1.00 m

5-  $M = 2 (f + 1.33 h - J) = 2 (1.0 + 1.33 \times 0.50 - 1.00) = 2 (1.665 - 1.00)$   
 $= 1.33 \text{ m}$

6-  $K = (LB + 0.1) - M = (1.68 + 0.1) - 1.33$   
 $= 0.45 \text{ m}$

Toe and cut off walls

Normal scour depth (N S D)  $= 0.473 \times (Q/f)^{1/3}$   
 $= 0.473 \times (0.5/1.0)^{1/3}$  taking  $f = 1$   
 $= 0.473 \times (0.5)^{1/3} = 0.473 \times 0.793 = 0.375 \text{ m}$

Maximum Scour depth (M S D)  $= 1.5 \times \text{N S D}$   
 $= 1.5 \times 0.375$   
 $= 0.56 \text{ m}$

Depth of cutoff /Toe wall = 0.56 m **Say 0.60 M**

**Apron thickness:** For an over fall of 1.0 m. The Apron thickness in concrete construction is 0.30 m since the structure is constructed in masonry, the Apron thickness will be  $0.30 \times 1.50 = 0.45 \text{ m}$

**Wall thickness:** The thickness of different wall of the structure (masonry construction) are given below:

Description	Thickness of wall	
	Top width	Bottom width
Head wall	0.45	1.00
Side wall	0.30	0.80
Wing wall and head wall extension	0.30	0.60

### ESTIMATE OF HORTICULTURE DEVELOPMENT PROGRAMME:-

S.N.	Particulers	Quantity	Rate	Amount	Remark
1	Soil working 1mx1m size pits (270)/ hect. including cost of refilling/Mango, Gowawa	270	32.57/cum		Since the project is to be operated in a participatory mode, contribution in the form of labour input for pit digging, FYM & its applications weeding & hoeing are to be provided by the participating farmers hence the costs are not included in the estimates.
2	Application of farmyard Manure including cost		L.S.		
3	Cost of NKP mixture , neemicide@250gm/plant		L.S.		
4	Cost of plants (including 15% etc. for mortality) including transportation and planting	270 nos	15.00/Plant		
5	Casualty replacement @ 10% of item No. 4				
6	Cost of 2 weedings & hoeing		2.00/Plant		
7	Contingency & unforeseen (3%)				
	Total				
	Maintenance cost 2nd year onwards 15% Less than 1st year cost				
	For next 3 years				
			Total		

### Estimate OF AFFORESTATION(A forestation & Pasture Development)

No of Plants 800/ha (Sheesam & Sagaun) with Subabool

S.No.	Particular	No.	L	B	D/H	Quantity	Rate	Amount
1	Earth work in digging for pits	800	0.45	0.45	0.45	72.90	32.57	
2	Cost of FYM, in Kg/pit	800	-	-	-	1200kg	7.75	
3	Cost of plants/Seed	800	-	-	-	800	10.00	
4	Casualty replacement @ 10% of item No. 4	80	-	-	-	80	10.00	
5	Cost of 2 Weeding & hoeing	800	-	-	-	800	1.00	
6	Total		-	-	-			
7	Maintenance cost 2nd year onwards 15% Less than 1st year cost		-	-	-			
8	Total Cost		-	-	-			

**Detail Estimate of Crop Production System :-  
Demonstration of Wheat**

Variety recommended for District- Kanpur nagar

Crop Variety PBW - 373, 502, 435 , NDW – 1012 , 1014 , Narendra – 1076 Up-262

Seed rate -100 -125 Kg/hectare

Requirement of fertilizers/ N120: P60: K40

**ESTIMATE OF DEMONSTRATION OF WHEAT IN WATERSHED (PER ha)**

S.No.	Particulars	Quantity	Rate	Project fund	Farmers contribution	Remark
1	Tillage operation or preparation of field for sowing(3 ope)	1.0ha	1000.00/ha	----		Since the project is to be operated in a participatory Mode, contribution in form of the tillage, sowing, irrigation and harvesting done by farmer is not included in the estimates
2	Cost of seed	100.00kg	20.00/kg	2000.00		
3	Sowing by seed drill	1.0ha	1500.00/ha	----		
4	D.A.P.	130kg	1000.00/ 50 kg	2600.00		
5	Urea	270kg	360.00/ 50 kg	1944.00		
6	Potash(M.O.P.)	67kg	500.00/50kg	670.00		
7	Irrigation(three irrigation)	1.00ha	1000.00/ha	-----		
8	Weedicide and pesticide 2-4D, isoproturan mithail parathian	2-4D-0.500kg iso 0.500kg	500.00+labour charges	1000.00		
8	Harvesting and threshing	1.00ha	3000.00	-----		
<b>Sub Total</b>						
<b>G. Total</b>					18714.00	

**Demonstration of Tilahan crop(Rai59)**

Variety recommended-- Vabhav, baruna(T-59), Ashirvad, Bardan

Seed Rate-5-6 kg/ha

Fertilizer-N150 :P 75 K 75

S.N	Perticulars	Quantity	Rate	Project fund	Farmers contribution
1	Tillage operation(3 op)and sowing	1.00 ha	1000.00	-----	3000.00
2	Cost of seed	5.00kg	50.00/kg	250.00	
3	DAP	163 kg	1000.00/50kg	3260.00	
4	Urea	260 kg	360.00/50kg	1872.00	
5	MOP	125 kg	500.00/50kg	1250.00	
6	Irrigation 2nos	1.00ha	1000.00/ha	-	2000.00
7	Plant thinning	1.00ha	500.00/ha	----	500.00
8	Pesticide-Dithin M -45+labour	0.750kg	500/kg	1000.00	
9	Harvesting & threshing	1.00	2000.00/ha	----	2000.0
			Total	8282.00	7500.00
			G.Total		15782.00

**Demonstration of Paddy**

Variety recommended for District-Kanpur nagar

Crop Variety Sarju 52 ,

NDW – 1012 , 1014 ,

Narendra – 359 ,

Mahasoori – NDR 97 ,

Prabhat -78 ,

GS2 Seed rate -16 Kg/hectare Requirement of fertilizers/ha

D.A.P.-130kg ,Urea-210kg ,

MOP-65kg ,Zink-20kg

### ESTIMATE OF DEMONSTRATION OF PADDY IN WATERSHED (PER ha)

S.No	Particulars	Quantity	Rate	Amount	Remark
1	Tillage operation or preparation of field for plantation	1.0ha	1000.00/ha		Since the project is to be operated in a participatory Mode, contribution in form of the tillage, sowing, irrigation and harvesting done by farmer is not included in the estimates
2	Cost of seed	35.00kg	30.00/kg		
3	Plantation	1.0ha	2500.00/ha		
4	D.A.P. 18:46	130.00kg	1000.00/ 50 kg		
5	Urea	260.00kg	360.00/ 50 kg		
6	Potash(M.O.P.)	100kg	500.00/50kg		
7	Zink	20kg	55.00/kg		
8	Irrigation(four irrigation)	1.00ha	860.00/ha		
9	Insect & Pest Management	1.0ha	Lumsum		
10	Harvesting	1.00ha	2000.00/ha		
<b>Total Say</b>					

### Demonstration of Maize (Per ha.)

Require Fertilizer Urea 210kg/ha.DAP 130kg/ha. M.O.P. 65kg/ha. Crop Variety Maje Hybrid -17 , PAC- 738 , Pragati D-994  
DHM- 115 SUPER KOHINOOR – DK984 Seed rate -20.00kg/ha

S.N.	Particulars	Quantity	Rate	Project Fund	Farmers contribution	Remark
1	Tillage operation in preparation of field and seed sowing	1.0ha	1000.00/ha	----	2000.00	Since the project is to be operated in participatory Mode, contribution by the farmer in the form of tillage,
2	Seed treatment	1.0 ha	280.00	280.00	-----	
3	Cost of seed	20.0kg	130.00/kg	2600.00	-----	
4	D A P	130.0kg	1000.00/50kg	2600.00	----	
5	Urea	210.00 kg	360 .00/50 kg	1512.00	-----	

6	M.O.P.	100.00 kg	500.00/50kg	1000.00	-----	operation, sowing and harvesting provided by participating farmers, hence this cost is not included in the estimates.
7	Harvesting and threshing	1.00 ha	2000.00	--	2000.00	
<b>Total</b>					4000.00	
<b>7992.00</b>						
<b>G.Total</b>					11992.00	

### EMONSTRATION OF HYBRID BAJRA IN WATERSHES (per ha)

Requirement of Seed / ha -5kg

Crop Variety- Hybrid Bajara , GHB- 577 pusha23 shanker pusha 322 wcc 75

Requirement of fertilizers/ ha N- 80: P- 40: K-40

### ESTIMATE FOR DEMONSTRATION OF BAJRA (per ha) RAIN FED

S.No.	Particulars	Quantity	Rate	Amount		Remark
1	Tillage operation in preparation of field and for sowing	1.0ha	1000.00/ha	2000.00	2000.00	Since the project is to be operated in participatory M0de, contribution of tillage operation, and harvesting yield-20 to 24 qntl a
2	Cost of seed	5.0kg	80.00/kg	400.00	----	
3	DAP	88.0kg	1000.00/50kg	1760.00	----	
4	Urea	150.00kg	360.00/50 kg	1080.00	----	
5	M.O.P.	66.00kg	500.00/50kg	660.00	----	
6	Harvesting and threshing	1.00Ha	2000.00/ha	----	2000.00	
<b>Total</b>				<b>5900.00</b>	4000.00	
<b>Say</b>					9900.00	

**Hence per hectare of demonstration of Bajra is Rs.9900 /h**

## CHAPTER - 6

### Capacity Building Plan

**Capacity Building:** Capacity Building is the process of assisting the group or individuals to identify and address issues and gain the insights, knowledge and experience needed to solve problems and implement change. There is a realization in the development sector that there is a need to appraise the success of development interventions by going beyond the conventional development targets and measures of success (e.g. in the form of commodities, goods and services) to take into account improvements to human potential. Capacity building of stakeholders is also increasingly viewed as an important factor in developmental projects that involve participation of stakeholders at all levels for effective implementation of projects.

**Action Plan for Capacity Building:** - Skill development & awareness of farmers / Users Group / Self Help Group / Watershed Committee & W.D.T. has been given in three different parts i.e. exposer visit, Short courses & skill development. Details are given below in table no,6.1

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

S. n.	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	K.V.K .	Dalipnagar Kanpur nagar	Program coordinator	Agriculture University	ExtensionAgronomy HomScience Soil Science	26	756	Proposal with budget will be received
2	District Gram Vikash Sansthan	Kanpur	Coordinator	State Govt	Rural Development	10	500	do
3	State Rural development Training Institute	B.K.T. LKO.	Director	Do	do	4	40	Do



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

<b>s.n.</b>	<b>Client Group</b>	<b>Title of the Programme/ Duration/ Time</b>	<b>Objectives</b>	<b>Coverage/ Topics</b>	<b>Training Methodology</b>	<b>Training Institutions</b>
<b>1</b>	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	State Rural development Training Institute , B.K.T. LKO.
<b>2</b>	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, Dalipnagar
<b>3</b>	Watershed Committee & WDT members	Management of natural resources on watershed basis and agro forestry	Awareness and strengthening of knowledge and skills	NRM, Production system and livelihood	Lectures, videos and visits to successful watershed	Dist. Rural development Training Institute, Kanpur
<b>4</b>	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	State Rural development Training Institute, B.K.T. LKO.
<b>5</b>	PIA/WDT members	Design of SWC structures	Strengthening of knowledge	SWC structures	Lectures, practical exercise and visits to successful watershed	Chandra Shekher Azaad Agri. University Kanpur
<b>6</b>	PIA/WDT/WC members	Knowledge of market and pricing	Awareness and knowledge enhancement	Market intelligence	Lectures, videos and visits	State Rural development Training Institute , B.K.T. LKO.

## **Scope of capacity building at Project Area**

- Alternative Land Use Plan
- Scientific technique of Soil and Moisture conservation
- Improved and Scientific agriculture practices
- Fodder development and Management
- Forestation
- Meteorological Information
- Dairy Development and Management
- Rural Craft
- Income Generation Activities
- Stitching
- Food Processing
- Post Harvest management practice.

**Table 6.3 :- Microwatershed-wise Financial Break-up of Institutional & Capacity Building Programme**

Microwatershed-wise Financial Break-up of Institutional & Capacity Building Programme (Instalment-wise)																		
S. N o.	Grampanchayat	Area	Ist Installment (3%)					IInd Installment (1.5%)					IIIrd Installment (0.5%)					Grand Total
			SLNA	WCDC	PIA	WC	Total	SLNA	WCDC	PIA	WC	Total	SLNA	WCDC	PIA	WC	Total	
1	Maduri	330	0.071	0.214	0.90 3	-	1.188	0.036	0.107	0.45 1	-	0.594	0.012	0.036	0.15 0	-	0.198	1.980
2	Baripal	400	0.087	0.259	1.09 4	-	1.440	0.043	0.130	0.54 7	-	0.720	0.015	0.043	0.18 2	-	0.240	2.400
3	PadriGanga deen	340	0.074	0.220	0.93 0	-	1.224	0.037	0.110	0.46 5	-	0.612	0.012	0.037	0.15 5	-	0.204	2.040
4	Bandh	200	0.043	0.130	0.54 7	-	0.720	0.022	0.065	0.27 3	-	0.360	0.007	0.022	0.09 1	-	0.120	1.200
5	Sirsa	510	0.110	0.331	1.39 6	-	1.837	0.055	0.165	0.69 8	-	0.918	0.018	0.055	0.23 3	-	0.306	3.061
6	Sidhoul	250	0.054	0.162	0.68 4	-	0.900	0.027	0.081	0.34 2	-	0.450	0.009	0.027	0.11 4	-	0.150	1.500
7	Maidhari	20	0.004	0.013	0.05 5	-	0.072	0.002	0.007	0.02 7	-	0.036	0.001	0.002	0.00 9	-	0.012	0.120
8	Dharchhuwa	250	0.054	0.162	0.68 4	-	0.900	0.027	0.081	0.34 2	-	0.450	0.009	0.027	0.11 4	-	0.150	1.500
9	Aswarmau	230	0.049	0.149	0.63 0	-	0.828	0.025	0.074	0.31 5	-	0.414	0.008	0.025	0.10 5	-	0.138	1.380
10	Samuhi	918	0.198	0.595	2.51 1	-	3.304	0.099	0.297	1.25 6	-	1.652	0.033	0.099	0.41 9	-	0.551	5.507
11	Lahurimau Kasimpur	420	0.091	0.272	1.14 9	-	1.512	0.045	0.136	0.57 5	-	0.756	0.015	0.045	0.19 2	-	0.252	2.520
		<b>3868</b>	0.835	2.507	10.5 83	-	13.92 5	0.418	1.253	5.29 1	-	6.962	0.139	0.418	1.76 4	-	2.321	23.208

## CHAPTER - 7

### Phasing of programme & budgeting

#### **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.

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

- 12 Crop Diversification Index (CDI)
- 13 Cultivated Land Utilization Index (CLUI)
- 14 Crop Fertilization Index (CFI)
- 15 Induced Watershed Eco-Indexes (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.

### Annual Action Plan (AAP)

Physical and financial targets and outlays and their year wise breakups are given below.

**Table 7.1 :- FINANCIAL BREAKUP**

FINANCIAL BREAKUP OF VARIOUS COMPONENT IN TERMS OF % OF IWMP-II, DISTRICT- Kanpur nagar Amount in Lacs														
S. No.	Name of Gram Panchayat	Project Area	Sanctioned Amount	Administrative 10%	EPA 4%	Institution and CB 5%	DPR 1%	Watershed development work 56%	Livelihood for assetless 9%	Production system and Microenterprises 10%	Monitoring 1%	Evaluation 1%	Consolidation 3%	Total 100%
1	Maduri	330	39.600	3.960	1.584	1.980	0.396	22.176	3.564	3.960	0.396	0.396	1.188	39.600
2	Baripal	400	48.000	4.800	1.920	2.400	0.480	26.880	4.320	4.800	0.480	0.480	1.440	48.000
3	PadriGanga deen	340	40.800	4.080	1.632	2.040	0.408	22.848	3.672	4.080	0.408	0.408	1.224	40.800
4	Bandh	200	24.000	2.400	0.960	1.200	0.240	13.440	2.160	2.400	0.240	0.240	0.720	24.000
5	Sirsa	510	61.200	6.120	2.448	3.060	0.612	34.272	5.508	6.120	0.612	0.612	1.836	61.200
6	Sidhoul	250	30.000	3.000	1.200	1.500	0.300	16.800	2.700	3.000	0.300	0.300	0.900	30.000
7	Maidhari	20	2.400	0.240	0.096	0.120	0.024	1.344	0.216	0.240	0.024	0.024	0.072	2.400
8	Dharchhuwa	250	30.000	3.000	1.200	1.500	0.300	16.800	2.700	3.000	0.300	0.300	0.900	30.000
9	Aswarmau	230	27.600	2.760	1.104	1.380	0.276	15.456	2.484	2.760	0.276	0.276	0.828	27.600
10	Samuhi	918	110.160	11.016	4.406	5.508	1.102	61.689	9.914	11.016	1.102	1.102	3.304	110.160
11	Lahurimau Kasimpur	420	50.400	5.040	2.016	2.520	0.504	28.224	4.536	5.040	0.504	0.504	1.512	50.400
	<b>Total</b>	<b>3868</b>	<b>464.160</b>	<b>46.416</b>	<b>18.566</b>	<b>23.208</b>	<b>4.642</b>	<b>259.929</b>	<b>41.774</b>	<b>46.416</b>	<b>4.642</b>	<b>4.642</b>	<b>13.924</b>	<b>464.160</b>

**Table 7.2 :- YEARWISE FINANCIAL BREAK UP OF ADMINISTRATIVE COMPONENT**

<b>YEARWISE FINANCIAL BREAK UP OF ADMINISTRATIVE COMPONENT OF IWMP-IIInd, DISTRICT-Kanpur nagar Amount in Lacs</b>								
<b>S. No.</b>	<b>Name of Gram Panchayat</b>	<b>Project Area</b>	<b>Sanctioned Amount</b>	<b>Administrative 10% of the Project Cost</b>				
				<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>Total</b>
1	Maduri	330	3.960	0.792	1.069	1.069	1.030	3.960
2	Baripal	400	4.800	0.960	1.296	1.296	1.248	4.800
3	PadriGanga deen	340	4.080	0.816	1.102	1.102	1.060	4.080
4	Bandh	200	2.400	0.480	0.648	0.648	0.624	2.400
5	Sirsa	510	6.120	1.224	1.652	1.652	1.592	6.120
6	Sidhoul	250	3.000	0.600	0.810	0.810	0.780	3.000
7	Maidhari	20	0.240	0.048	0.065	0.065	0.062	0.240
8	Dharchhuwa	250	3.000	0.600	0.810	0.810	0.780	3.000
9	Aswarmau	230	2.760	0.552	0.745	0.745	0.718	2.760
10	Samuhi	918	11.016	2.204	2.974	2.974	2.864	11.016
11	Lahurimau Kasimpur	420	5.040	1.008	1.361	1.361	1.310	5.040
	<b>Total</b>	<b>3868</b>	<b>46.416</b>	<b>9.284</b>	<b>12.532</b>	<b>12.532</b>	<b>12.068</b>	<b>46.416</b>

Table 7.3 :-

**CAPACITY BUILDING PLAN YEAR WISE**

<b>Capacity Building Plan 2011-12</b>				
	<b>Level</b>	<b>No. of Person to be Trained</b>	<b>No. of person days</b>	<b>Total Cost</b>
1	SLNA	-	-	83549
2	WCDC	37	9	250646
3	PIA	7	4	21000
a	WDT	6	2	6000
b	SHG	178	5	667500
c	UG	330	3	247685
d	WC	86	3	116100
e	OTHER	-	-	-
	<b>Total</b>	<b>644</b>	<b>26</b>	<b>1392480</b>

<b>Capacity Building Plan 2012-13</b>				
	<b>Level</b>	<b>No. of Person to be Trained</b>	<b>No. of person days</b>	<b>Total Cost</b>
1	SLNA	-	-	41774
2	WCDC	21	8	125323
3	PIA	7	2	10500
a	WDT	6	1	3000
b	SHG	89	5	333750
c	UG	164	3	123393
d	WC	65	2	58500
e	OTHER	-	-	-
	<b>Total</b>	<b>352</b>	<b>21</b>	<b>696240</b>

<b>Capacity Building Plan 2013-14</b>				
	<b>Level</b>	<b>No. of Person to be Trained</b>	<b>No. of person days</b>	<b>Total Cost</b>
1	SLNA	-	-	41774
2	WCDC	21	8	125323
3	PIA	7	2	10500
a	WDT	6	1	3000
b	SHG	89	5	333750
c	UG	164	3	123393
d	WC	65	2	58500
e	OTHER	-	-	-
	<b>Total</b>	<b>352</b>	<b>21</b>	<b>696240</b>

<b>Capacity Building Plan 2014-15</b>				
	<b>Level</b>	<b>No. of Person to be Trained</b>	<b>No. of person days</b>	<b>Total Cost</b>
1	SLNA	-	-	13925
2	WCDC	18	3	41055
3	PIA	5	1	3750
a	WDT	2	1	1000
b	SHG	74	2	111000
c	UG	56	3	42000
d	WC	44	1	19350
e	OTHER	-	-	-
	<b>Total</b>	<b>199</b>	<b>11</b>	<b>232080</b>



## Capacity Building plan

Level of stakeholder	2011-12		2012-13		2013-14	2014-15	Total	
	Target (no.)	Achievement (no.)	Target (no.)	Ach.(no.)	Target (no.)	Target (no.)	Target (no.)	Ach.(no.)
SLNA level	-	--	--	--	--	--	--	--
District level	333	---	84	-	84	54	555	-
PIA	2178	-	544	-	543	367	3632	-
WDT	40	-	10	-	10	7	67	-
WC level	258	-	65	-	65	44	732	-
SHG	890	-	223	-	222	148	1483	-
UG	990	-	246	-	246	168	1650	-

**Table 7.4 :- YEARWISE PHYSICAL AND FINANCIAL PHASING/ACTION PLAN OF WORK COMPONENT**

YEARWISE PHYSICAL AND FINANCIAL PHASING/ACTION PLAN OF WORK COMPONENT OF IWMP-II, DISTRICT-Kanpur nagar													Amount in Lacs	
Watershed Development Works 56% of Project Cost												Phy. in ha.		
S. No.	Name of Gram Panchayat	Project Area	Sanctioned Amount	2011-12		2012-13		2013-14		2014-15		TOTAL		
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy (ha,)	Fin.	
1	Maduri	330	22.176	49.50	2.970	77.550	6.475	77.550	6.336	125.50	6.395	330	22.176	
2	Baripal	400	26.880	60.00	3.600	92.00	7.848	92.00	7.680	152.00	7.752	400	26.880	
3	PadriGanga deen	340	22.848	51.00	3.060	79.900	6.671	79.900	6.528	129.200	6.589	340	22.848	
4	Bandh	200	13.440	30.00	1.800	47.00	3.924	47.00	3.840	76.00	3.876	200	13.440	
5	Sirsa	510	34.272	76.50	4.590	119.850	10.006	119.850	9.792	193.800	9.884	510	34.272	
6	Sidhoul	250	19.800	37.50	2.250	58.750	4.905	58.750	4.800	95.00	4.845	250	19.800	
7	Maidhari	20	1.344	3.00	0.180	4.700	0.392	4.700	0.384	7.600	0.388	20	1.344	
8	Dharchhuwa	250	16.800	37.50	2.250	58.750	4.905	58.750	4.800	95.00	4.845	250	16.800	
9	Aswarmau	230	15.456	34.50	2.070	54.050	4.513	54.050	4.416	87.400	4.451	230	15.456	
10	Samuhi	918	61.690	137.70	8.262	215.730	18.011	215.730	17.626	348.840	17.791	918	61.690	
11	Lahurimau Kasimpur	420	28.224	63.00	3.780	98.700	8.240	98.700	8.064	159.600	8.140	420	28.224	
	<b>Total</b>	<b>3868</b>	<b>259.930</b>	<b>580.200</b>	<b>34.812</b>	<b>908.980</b>	<b>75.890</b>	<b>908.980</b>	<b>74.266</b>	<b>1469.840</b>	<b>74.962</b>	<b>3868</b>	<b>259.930</b>	

**Table 7.5 :- YEARWISE FINANCIAL BREAK UP OF LIVELIHOOD ACTIVITIES**

YEARWISE FINANCIAL BREAK UP OF LIVELIHOOD ACTIVITIES IWMP-II, DISTRICT-Kanpur nagar								
Amount in Lacs								
S. No.	Name of Gram Panchayat	Project Area	Sanctioned Amount	Livelihood 9% of the Project Cost				
				2011-12	2012-13	2013-14	2014-15	TOTAL
1	Maduri	330	3.564	0.396	0.990	0.990	1.188	3.564
2	Baripal	400	4.320	0.450	1.150	1.100	1.620	4.320
3	PadriGanga deen	340	3.672	0.400	1.00	1.000	1.272	3.672
4	Bandh	200	2.160	0.240	0.600	0.500	0.820	2.160
5	Sirsa	510	5.508	0.600	1.500	1.500	1.908	5.508
6	Sidhoul	250	2.700	0.250	0.800	0.750	0.900	2.700
7	Maidhari	20	0.216	-	-	-	0.216	0.216
8	Dharchhuwa	250	2.700	0.250	0.750	0.700	1.000	2.700
9	Aswarmau	230	2.484	0.250	0.700	0.700	0.834	2.484
10	Samuhi	918	9.914	1.100	2.750	2.750	3.314	9.914
11	Lahurimau Kasimpur	420	4.536	0.500	1.150	1.350	1.536	4.536
	<b>Total</b>	<b>3868</b>	<b>41.774</b>	<b>4.436</b>	<b>11.390</b>	<b>11.340</b>	<b>14.608</b>	<b>41.774</b>

**Table 7.6 :- YEARWISE FINANCIAL BREAK UP OF PRODUCTION & MICRO ENTERPRISES:-**

YEARWISE FINANCIAL BREAK UP OF PRODUCTION & MICRO ENTERPRISES OF IWMP-II, DISTRICT- Kanpur nagar								
Amount in Lacs								
S. No.	Name of Gram Panchayat	Project Area	Sanctioned Amount	Production System & Mico-enterprises 10% of the Project Cost				
				2011-12	2012-13	2013-14	2014-15	Total
1	Maduri	330	3.960	0.396	0.990	0.990	1.584	3.960
2	Baripal	400	4.800	0.480	1.200	1.200	1.920	4.800
3	PadriGanga deen	340	4.080	0.408	1.020	1.020	1.632	4.080
4	Bandh	200	2.400	0.240	0.600	0.600	0.960	2.400
5	Sirsa	510	6.120	0.612	1.530	1.530	2.448	6.120
6	Sidhoul	250	3.000	0.300	0.750	0.750	1.200	3.000
7	Maidhari	20	0.240	0.024	0.060	0.060	0.096	0.240
8	Dharchhuwa	250	3.000	0.300	0.750	0.750	1.200	3.000
9	Aswarmau	230	2.760	0.276	0.690	0.690	1.104	2.760
10	Samuhi	918	11.016	1.102	2.754	2.754	4.406	11.016
11	Lahurimau Kasimpur	420	5.040	0.504	1.260	1.260	2.016	5.040
	<b>Total</b>	<b>3868</b>	<b>46.416</b>	<b>4.642</b>	<b>11.604</b>	<b>11.604</b>	<b>18.566</b>	<b>46.416</b>

## CHAPTER - 8

### Consolidation/exit strategy

The Project management of any watershed programme is very important. It mainly depends upon the community organisation and the villagelevel institutes. In iwmp/watershed committee and various user group have been formulated for post project operation and maintenance of assets created during project period. Major emphasis will be on equity and sustainable benefit of the project even after implementation stage. A proper link-up will be built during project period with various institutes and capacity building organisation. They will act as a major kingpin during post implementation for scaling up the successful experience during project.

**Watershed Development Fund:** The major source of financial assistance after post implementation period is Watershed Development Fund. The contribution of it, will come mainly from beneficiaries' contribution and users' charges.

**User Charges:** Various user groups will be formed in village. These user groups will collect user charges according to the designated rules formulated during the formation of user group. These funds will be transferred to the WDF funds as per these formulated rules. The secretary of watershed committee (WC) shall maintain the records.

**The consolidation phase will also include:-**

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

## CHAPTER - 9

### Expected outcome:

**1-Employment-** Employment has always been a problem in the village .the principle occoputation of the people is agriculture, animal husbandry & casual labour work however the area is being rainfed then agriculture suffers at best they can take only a single crop which keeps them partially engaged for about four month. animal husbandry does not keep them engaged full time thus the people mainly depend upon casual labour , Either in the village it self or outside it.

The project plans for creation of both wage employment & self employment oppourtites wage employment would be created by engaging people in watershed physical work like construction of earthen bunds , farm ponds village pond, plantation, etc. Self employment would be created by providing the people with cash support in the form of direct livelihood activities like agriculture, animal husbandry and enterprise development.

**Table 9.1 :- Employment in Project area:-**

S. No	Name of the Project	Wage employment						Self Employment							
		Before project			After project			Before project				After project			
		of mandays			No. of mandays			No. of benefiiores				No. of benefiiores			
	SC	Others	Total	SC	Others	Total	SC	Othe rs	Women	Total	SC	Others	Women	Total	
1	IWMP – II nd	3510	4560	7770	244800	61200	306000	260	920	74	1254	490	1422	259	2171

**2-Migration:-** On account of agriculture and animal husbandry providing only part time employment for some part of the year, the people migrate for a better half of the year for wage labour . Employment opportunities in the local area as mentioned above will ensure lessening seasonal migration from the area.

**Table 9.2 :- Details of seasonal migration from Project area:-**

S.No.	Name of the project	No. of persons migration		No. of days per year of migration	Expected post project
		Pre project	Expected post project		
1	IWMP- II nd	716	105	90 to 180	30 to 60

**3-Ground water Table:-** Rainfall has been scanty normal but demand for ground water has been increasing all the time. The ground water table thus has depleted over the year Presently it stands at 6mt to 6.50mt.

Proper water harvesting structures would go a long way in increasing water table depth from 6 mt in the pre-project level to 5 mt in the post project period.

**Table 9.3 :- Details of average ground water table depth in the project areas (in meters)**

S.No.	Name of the project	Sources	Pre Project level(m)	Expected increase/decrease Post Project(m)
1	IWMP-II nd	Open wells	18 to 20	15 to 18
		Bore well	-	-
		Other specify	-	-

**4-Drinking water:-** The watershed has sufficient drinking water but in poor quality after post project it is expected that drinking water became probable good quantity. As a result of the watershed activities, it is expected that the quantity and quality of drinking water would improve.

**Table 9.4 :- Status of Drinking water**

S.No.	Name of the project	Availability of drinking water		Quality of drinking water	
		Pre Project	Expected Post Project	Pre Project	Expected Post Project
1-	IWMP- II nd	Available	Available	Poor Quality	Good Quality

**5-Crops:-** There is no irrigation facilities . Agriculture primarily depends upon rainwater; but this is what is lacking in IWMP-II. The surface water does not stay in the field due to slopy land and light Soil texture, which is cause of low crop production.All this can change with the integrated land and water management during the watershed project. . This will help in additional area coming under cultivation and increasing productivity too. The farmers can take more than one season of crops. Different varieties of crops can be taken.

**Table 9.5 :- Details of crop area and yield in the project area**

Name of the Project	Name of Crops	Pre Project		Expected Post Project	
		Area in Ha.	Average Yeald (Qtl)/ha	Area in Ha.	Average Yeald (Qtl)/ha
IWMP- IInd Kanpur nagar	<b>Kharif</b>				
	Arhar/Jwar	2450	5.5	3032	17.20
	Urd/ Moong		4.4		7.20
	till		5.3		10.50
	Jwar		2.5		14.50
	<b>Rabi</b>				
	Wheat	2653	12.60	3791	17.20
	Warley		5.30		7.20
	Gram		7.70		10.50
	<b>Pea</b>		10.70		14.50
	Musturd		4.50		5.90

**6-Horticulture:-**

The watershed does not have organized orchards, however, farmers have fruit plants (mango, ber, bel, guava, etc.) near the homesteads and kitchen gardens. The climate and soil of the area is favorable for fruit growing for sub tropical fruits in the lower reaches. Organized orchards, commercial vegetable cultivation, agro horticulture, and other system of agro forestry etc. are lacking but have good potential in the watershed.

**Table 9.6 :- Area under horticulture**

S.No.	Name of the Project	Existing area under horticulture (ha.)	Area under Horticulture proposed to be covered IWMP(ha)
1-	IWMP-II nd	2	99.745



**7-Vegitative:** The forestry practices are highly lacking in the watershed though it has good potential under existing dispositions and may play a vital role particularly with respect to minimization of cropping risk, built up soil fertility and productivity soil conservation, partly meeting out the fire wood demand of rural community and moreover, optimizing the watershed it the watershed. The existing area under agro Forestry is almost negligible.. The agro-forestry interventions comprising of Shesam , sagaun, subabul, Lemon , Bel etc may be applied for benefit of farmers under rainfed to irrigated production systems on leveled to slopy and marginal agricultural using proper planting techniques and termite control measures. The multipurpose trees may also help in supplementing fire wood and fodder demands of the rural community in the watershed and may be planted as hedge rows on rain-fed, marginal and degraded lands.

**Table 9.7 :- Forest/vegetative cover**

S.No.	Name of the Project	Existing area under forestation (ha.)	Area under afforestation proposed(ha)
1-	IWMP- II nd	5	45.73

**8-Live stock :**The watershed has quite a good of livestock population. These include cows, bullocks, buffaloes, goats, and sheep. The interventions like provision of good quality cows and buffaloes. It is expected that the post project period would see a substantial increase in livestock population and yield from them.

**Table 9.8 :- Details of livestock in the project areas**

**(for fluids please mention in litres, for solids please mention in kgs. and income in Rs.)**

S.No.	Name of the Project	Type of Animal	Pre Project			Expected post project			Remarks
			No.	Yield	Income	No.	Yield	Income	
	IWMP- II nd	Milch-animals							--
1		Cow(per animal/day)	2647	3.28	15000	3450	7.00	25000	--
2		Buffalo(per animal/day)	3890	3.63	20000	5050	9.00	30000	---
3		Draught Purpose animals	-	-					
4		Goat (Meat: per/Kg)	5130	16 kg	15000	6650	20 kg	25000	--

**9-Linkage:-** The direct livelihood activities need good forward and backward support. Without such support system the activities

may fail to deliver the desired results. These linkages would involve credit, machinery, input supply, marketing, etc

**Table 9.9 :- Backward-Forward linkages**

S. No	Project	Type of Marketing Facility	Pre-project (no.)	During the project (no.)	Post-project (no.)
	IWMP- IInd	<b>Backward linkages</b>			
		Seed certification	NIL	NIL	NIL
		Seed supply system	-	-	-
		Fertilizer supply system	1	-	-
		Pesticide supply system	1	-	-
		Credit institutions	10	-	-
		Water supply	-	-	-
		Extension services	-	-	-
		Nurserie	-	-	-
		Tools/machinery suppliers	-	-	-
		Price Support system	-	-	-
		Labour	-----	-----	-----
		Any other (please specify)	-----	-----	-----
		<b>Forward linkages</b>	-----	-----	-----
		Harvesting/threshing machinery	Available	-----	-----
		IWMP- IInd	Storage (including cold storage)		-----
	Road network		Available	-----	-----
	Transport facilities		Available	-----	-----
	Markets / Mandis		Available	-----	-----
	Agro and other Industries Cumin			-----	-----
	Milk and other collection centres Milk collection centre		2		

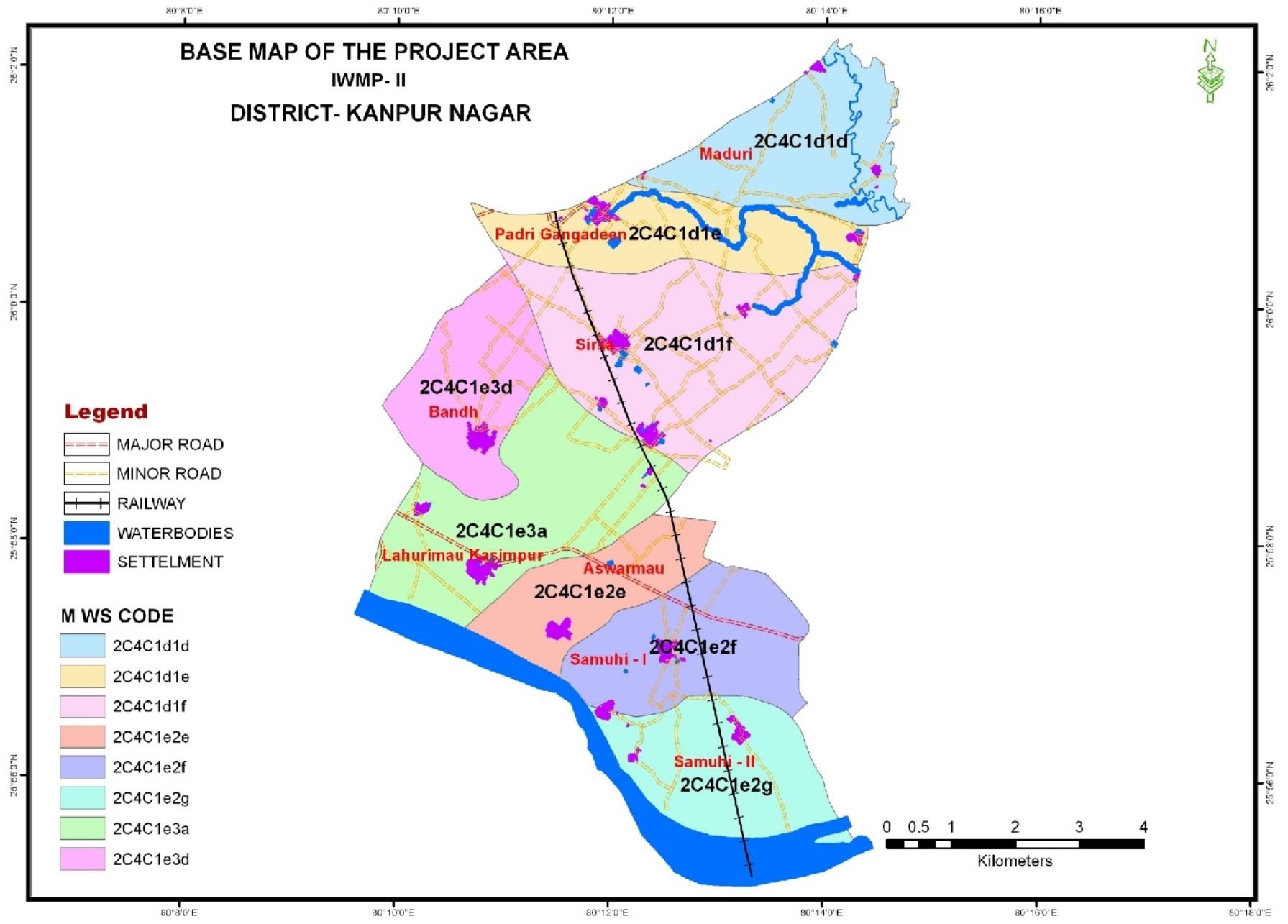
**Table 9.10 :- Logical Framework Analysis**

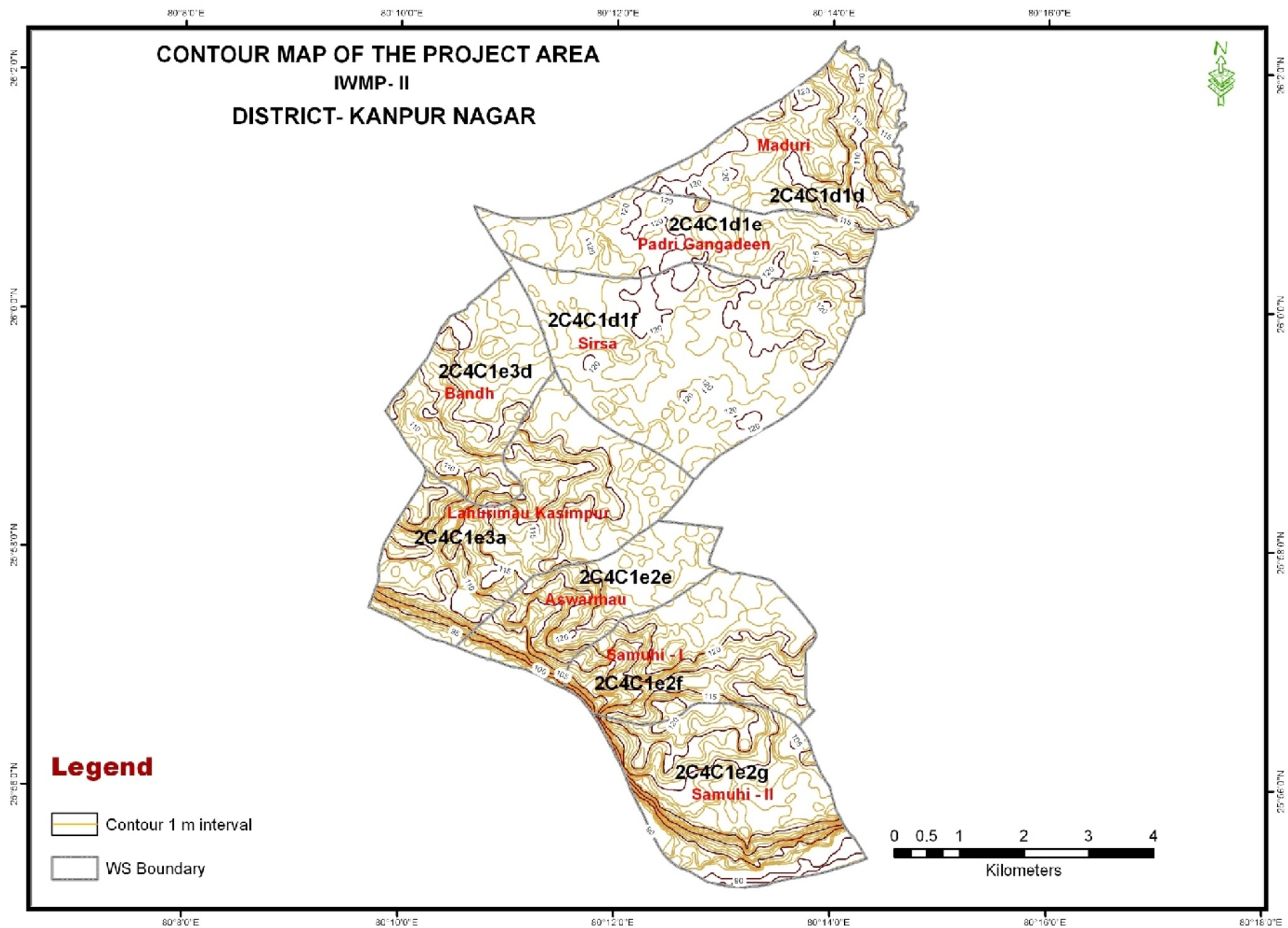
<b>Component s</b>	<b>Activities</b>	<b>Outputs</b>	<b>Effect</b>	<b>Impact</b>
<b>Village Institution Formation</b>	<ol style="list-style-type: none"> <li>1. Formation of Watershed Committee</li> <li>2. User Group</li> </ol>	<p>One Watershed Committee each village</p> <ol style="list-style-type: none"> <li>1. Number of User group depending on the coverage of particular intervention</li> </ol>	<ol style="list-style-type: none"> <li>1. Project can be implemented and managed in a democratic and participatory way ensuring equity</li> </ol>	<p>Unity and prosperity in the village management</p> <ol style="list-style-type: none"> <li>1. People's Participation and positive perception towards the programme</li> </ol>
<b>Strengthening Village Institutions</b>	<ol style="list-style-type: none"> <li>1. Organise training and awareness programme for Village institutions</li> <li>2. Capacity building workshops and exposure visits User Group and Watershed Committee</li> <li>3. Facilitating and monitoring the functioning of UGs and WCs</li> <li>4. Strengthen linkages between UGs and WCs and Panchayat Institutions</li> <li>5. Gender sensitisation of UGs and WCs to increase inclusiveness of samuh decision making.</li> <li>6. Sensitise village communities to involve children and youth in development</li> </ol>	<ol style="list-style-type: none"> <li>1. Awareness camps to be Organised.</li> <li>2. Trainings and exposure visits UGs and WCs to be held</li> <li>3. Capacity building workshops to be organised</li> <li>4. 1 Federations of UGs and WC to be formed</li> <li>5. Involvement of</li> </ol>	<ol style="list-style-type: none"> <li>1. Quality of management of common resources improved</li> <li>2. Quality of distribution of benefits between people improved</li> <li>3. Increased awareness amongst women about village resources</li> <li>4. Women Participation enhanced in decision-making of GVCs youth and children in village development increased</li> </ol>	
<b>Fund Management</b>	<ol style="list-style-type: none"> <li>1. Improve management and utilization of UGs and WCs</li> <li>2. Prepare communities to explore other sources of income for UGs and WCs</li> </ol>	<ol style="list-style-type: none"> <li>1. UGs and WCs operating bank account and managing resources on their own</li> </ol>	<ol style="list-style-type: none"> <li>1. Purpose, frequency and volume of use of the fund enhanced</li> </ol>	
<b>Ecological Restoration</b>	<ol style="list-style-type: none"> <li>1. Protection, treatment and regeneration of common and private lands</li> <li>2. Protection, treatment and</li> </ol>	<ol style="list-style-type: none"> <li>1. Common and private lands to be brought under new plantations and agro-horti</li> </ol>	<ol style="list-style-type: none"> <li>1. Fodder availability from common and private</li> </ol>	<ol style="list-style-type: none"> <li>1. Better Ecological order in the area</li> <li>2. Increase in the</li> </ol>

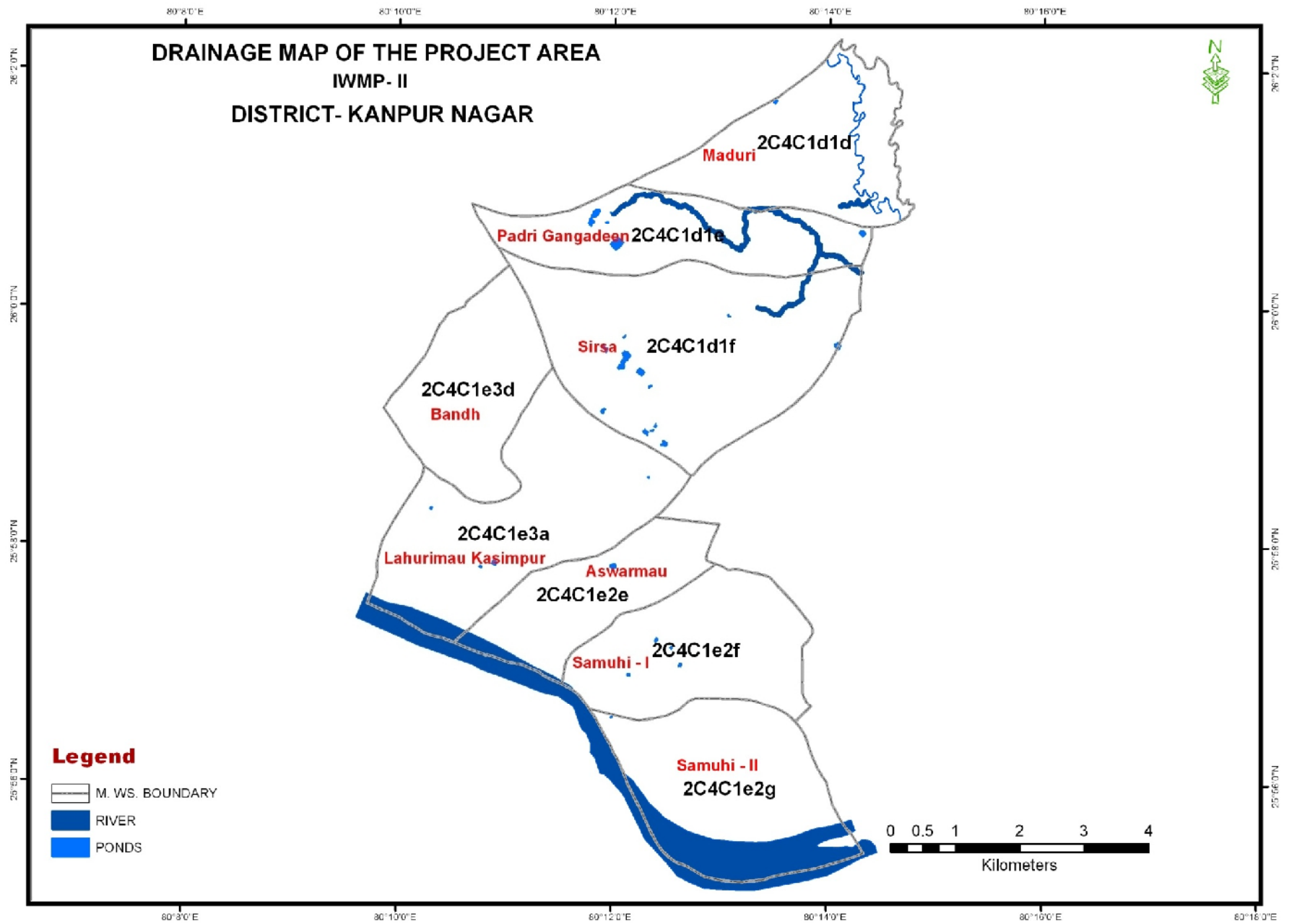
	<p>regeneration of forest lands 3 Plantation of fruits and forest species 4. Impart trainings, conduct meetings and organise exposure visits for communities, village volunteers and staff to effectively plan, execute and monitor activities 5. Identification and motion non-timber forest produce based income generation activities</p>	<p>forestry like Neem, Adusa prosopis, Banyan and Peepul 2. Forest lands to be brought under new plantations and protection 3. Trainings, exposure visits and meetings to be organised for communities village volunteers and staff 4. Income generation intervention promoted</p>	<p>lands increased 2. Accessibility to common and forest lands increased with removal of encroachments and resolution of conflicts</p>	<p>proportion of households having more security of fodder 3. Reduction in drudgery of fodder and fuel collection especially women</p>
--	--	--	--	--

<b>Rainfed Area Development</b>	<p>1. Treatment of land through improved watershed basis 2. Promotion of good agricultural practices- horticulture, improved crop and vegetable 3. Promotion of organic farming practices 4. Formation of Fodder banks to increase fodder security and promote dairy development among communities 5. Identification and promotion of agri-produce based income generation activities like grading, processing and packaging 6. Promotion of better Irrigation practices like drip irrigation 7. Impart trainings, conduct meetings and organise exposure visits of communities, village volunteers and staff to effectively plan, execute and monitor activities</p>	<p>1. Land to be brought under improved soil moisture conservation practices 2. Good agricultural practices to be promoted 3. Organic farming to be promoted 4. Fodder banks to be established 5. Agriculture based livelihood income generation activities to be promoted 6. Water harvesting structures to be constructed 7. Drip Irrigation facilities to be distributed among farmers 8. Approx 420000 person days of employment to be generated 9. Trainings, exposure</p>	<p>1. Improved productivity of treated land 2. Increased availability of water in wells 3. Increase in annual agriculture production 4. Farmers adopt organic farming practices 5. Fodder security of farmers enhanced 6. Increase availability of water for 9 to 12 months 7. Increased availability of water for livestock 8. Availability of irrigation water established 9. Farmers take two crops in a year 10. Increase in</p>	<p>1. Increase in proportion of households having more security of food. 2. Increase in contribution of agricultural income to the household income</p>
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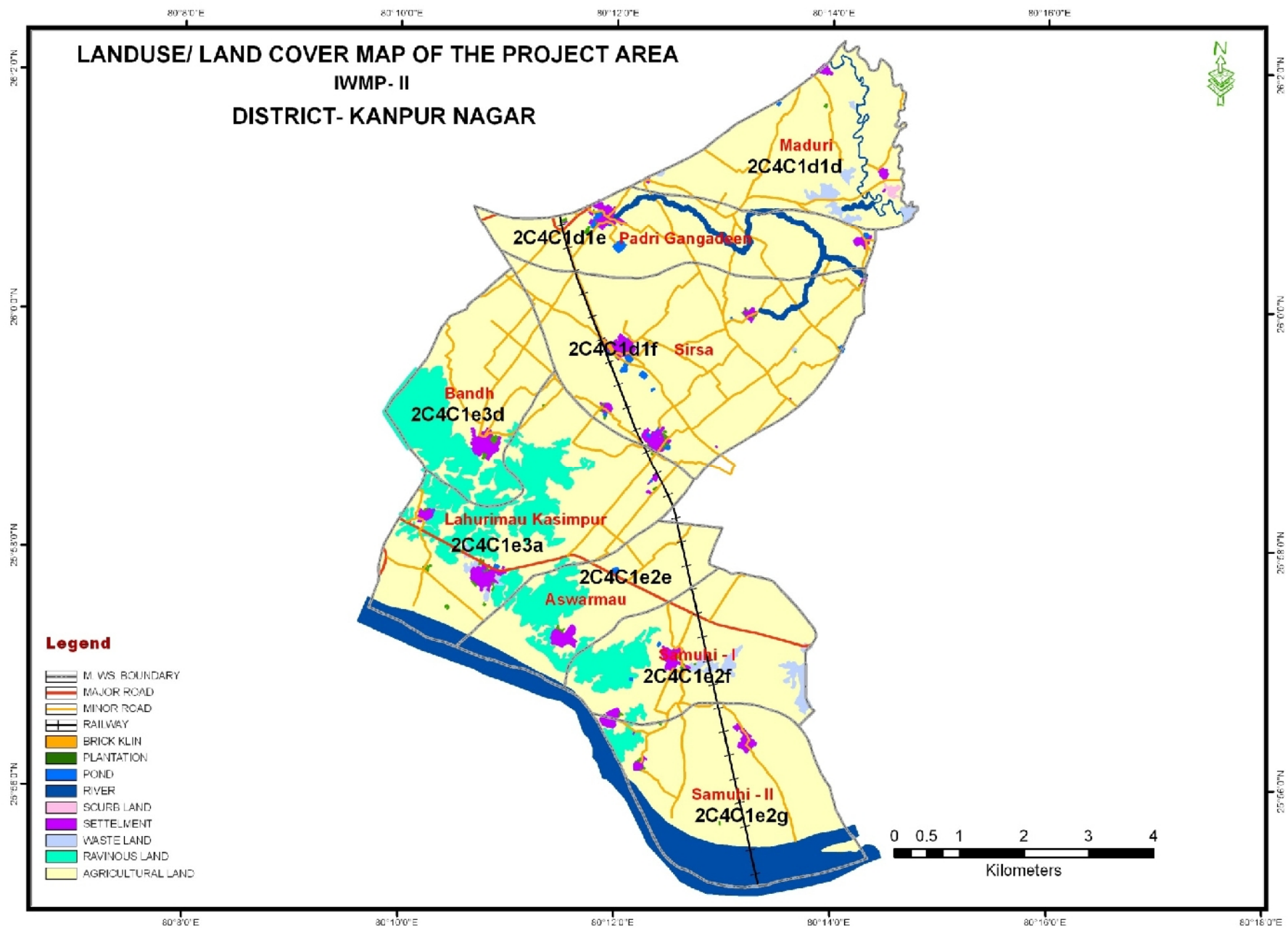
		visits and meetings to be organized for communities village volunteers and staff	agricultural productivity of land 11. Availability of drinking water enhanced	
<b>Women's Socio-political and economic empowerment</b>	<ol style="list-style-type: none"> <li>1. Formation &amp; Strengthening of women's SHG groups</li> <li>2. Capacity building of womenfolk</li> <li>3. Capacity building of SHG leaders and accountants</li> <li>4. Linking SHGs with external financial institutions</li> </ol>	<ol style="list-style-type: none"> <li>1. Women's SHG groups to be formed</li> <li>2. Federation of Women's SHGs to be formed</li> <li>3. Trainings to be conducted for jardogi work products from goats</li> <li>4. Increased household</li> </ol>	<ol style="list-style-type: none"> <li>1. Enhanced capacities of leaders of women's group in taking initiatives to solve problems at different levels</li> <li>2. Performance</li> <li>3. Improved access to credit for lively hood purposes. income.</li> </ol>	<ol style="list-style-type: none"> <li>1. Position of women in household community, society (politically, socially and economic- lly) as perceived by womenand community at large enhancement of SHGs in terms ofParticip- ation decision-making leadership and fund management</li> <li>2. Equality &amp; Equity in gender relations at home decision making, expenditure, children's education health)</li> </ol>





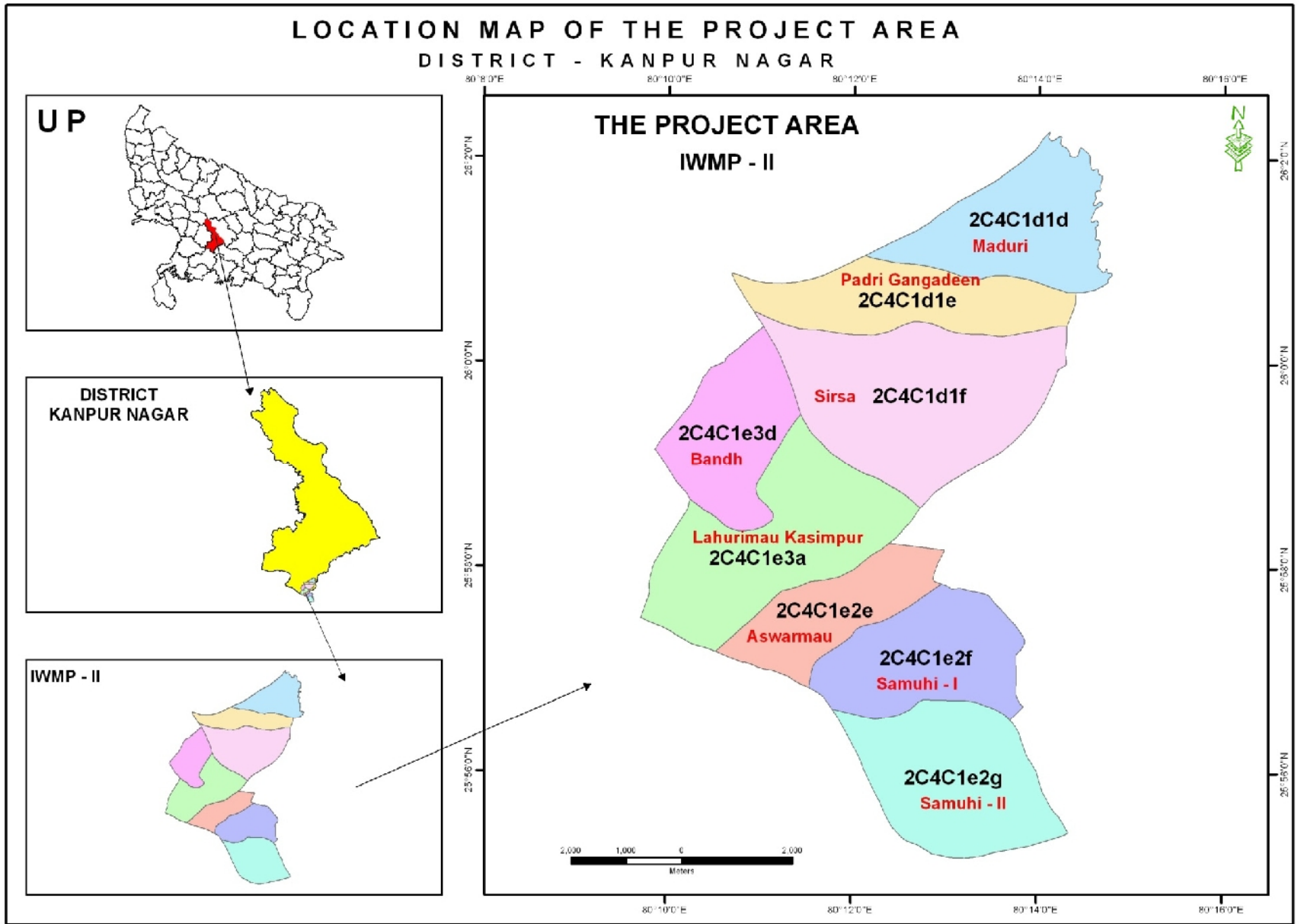


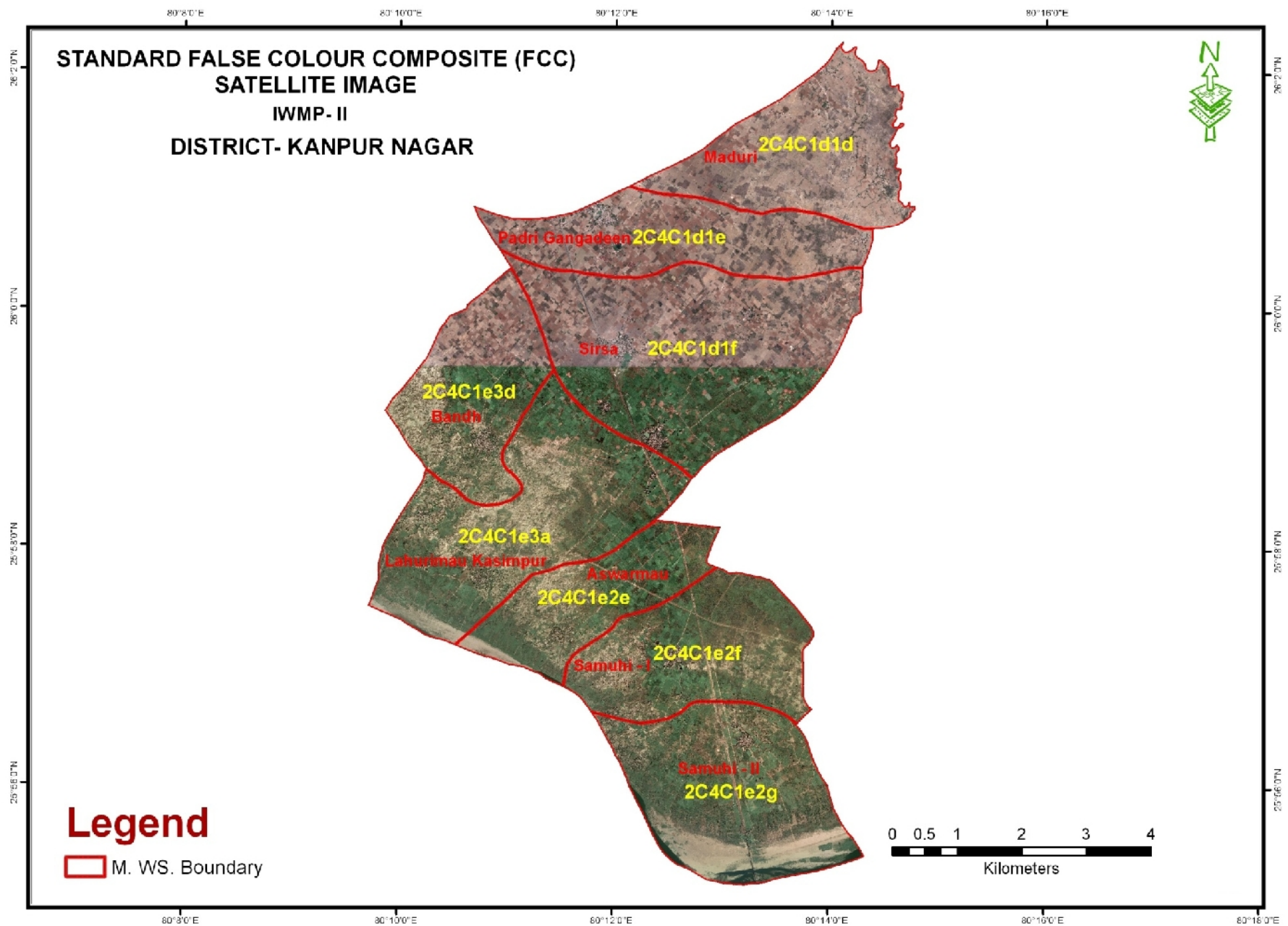


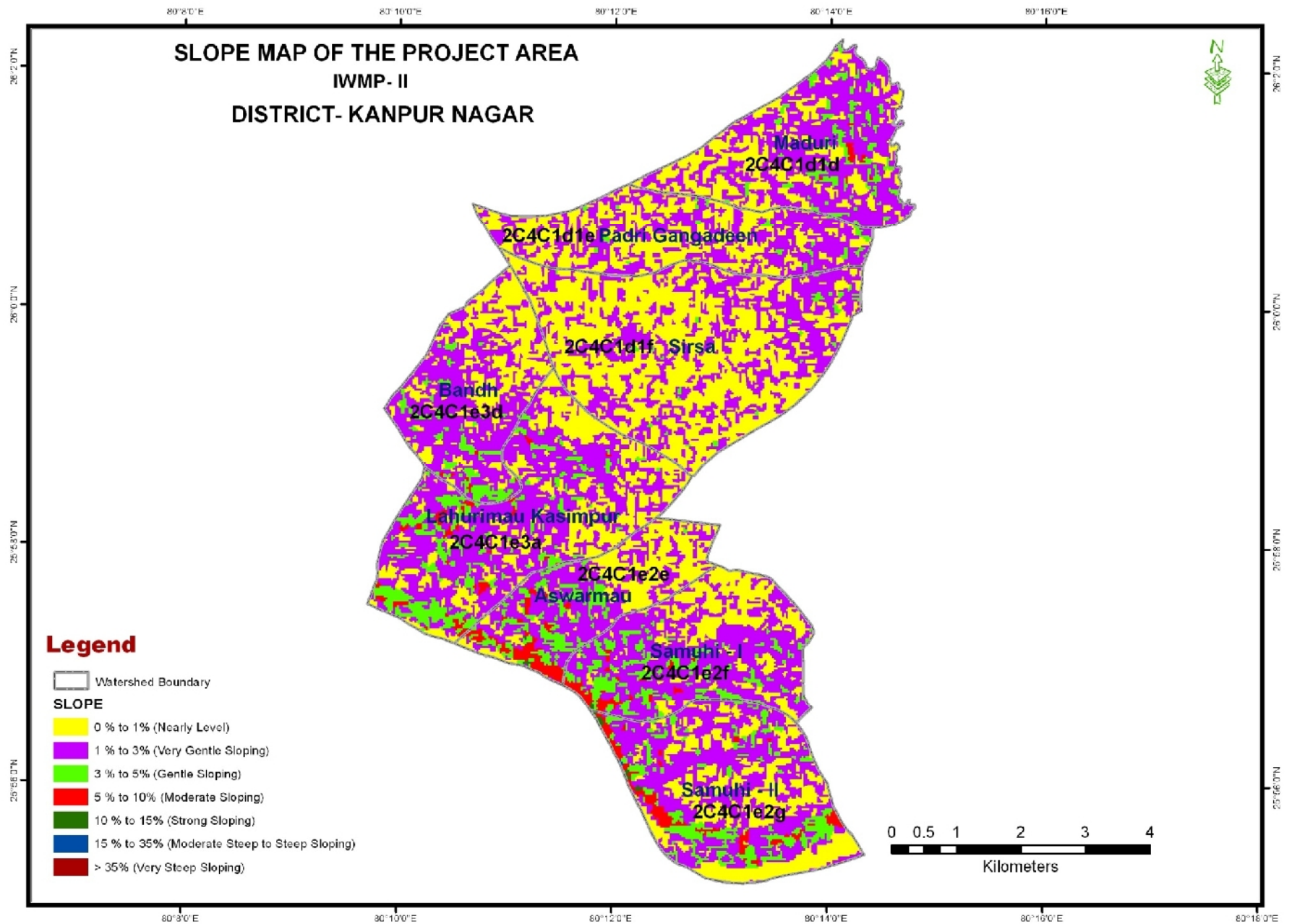


# LOCATION MAP OF THE PROJECT AREA

## DISTRICT - KANPUR NAGAR

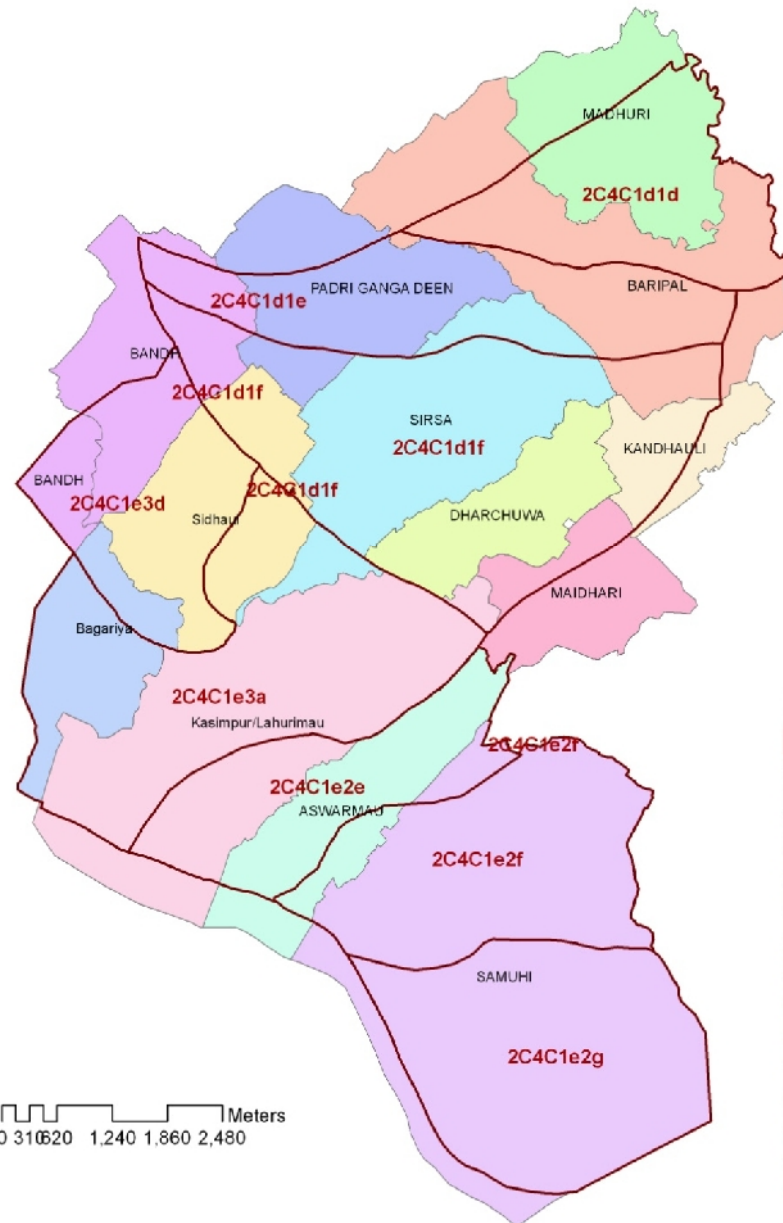








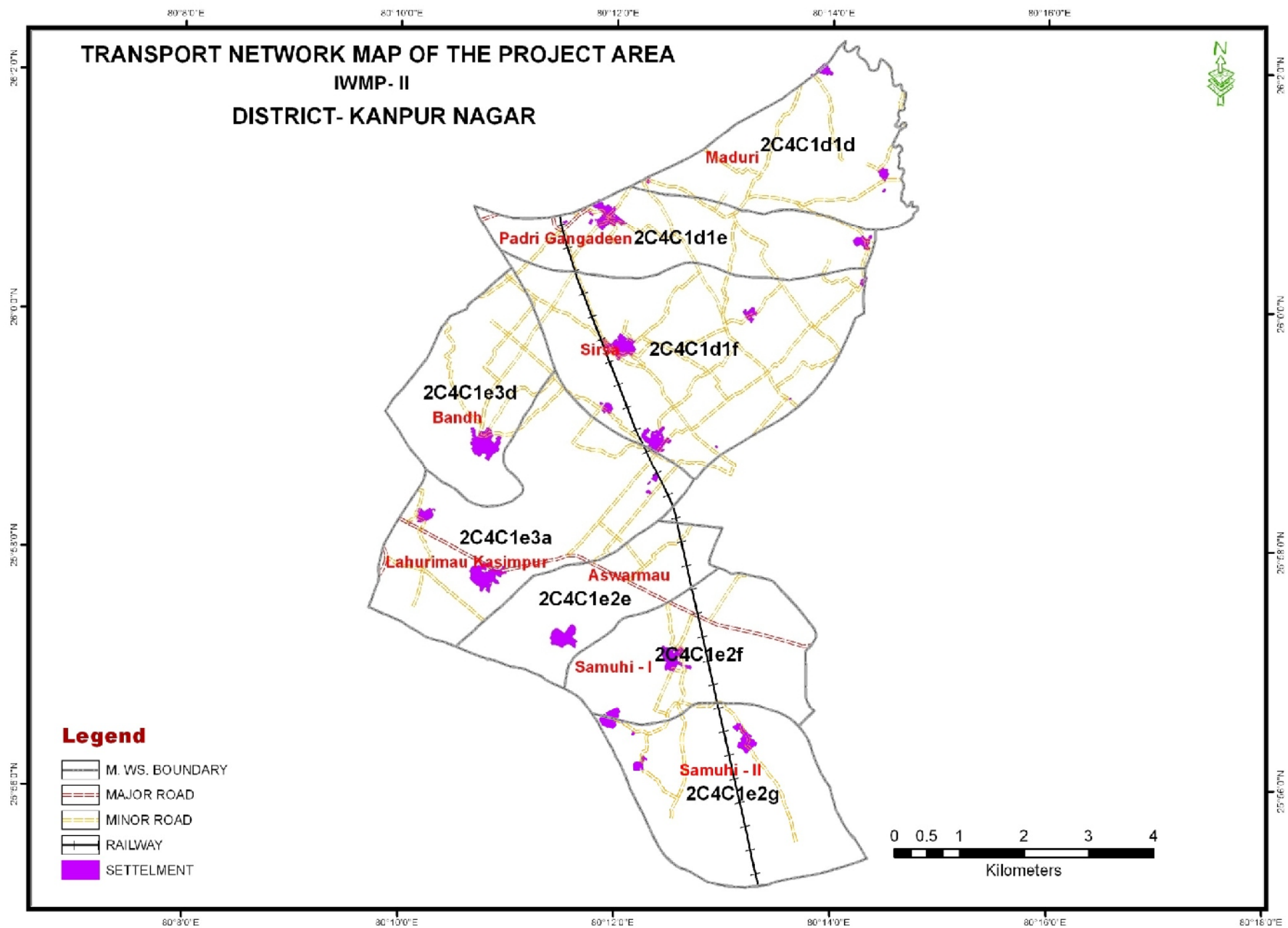
# LOCATION MAP OF PROJECT AREA



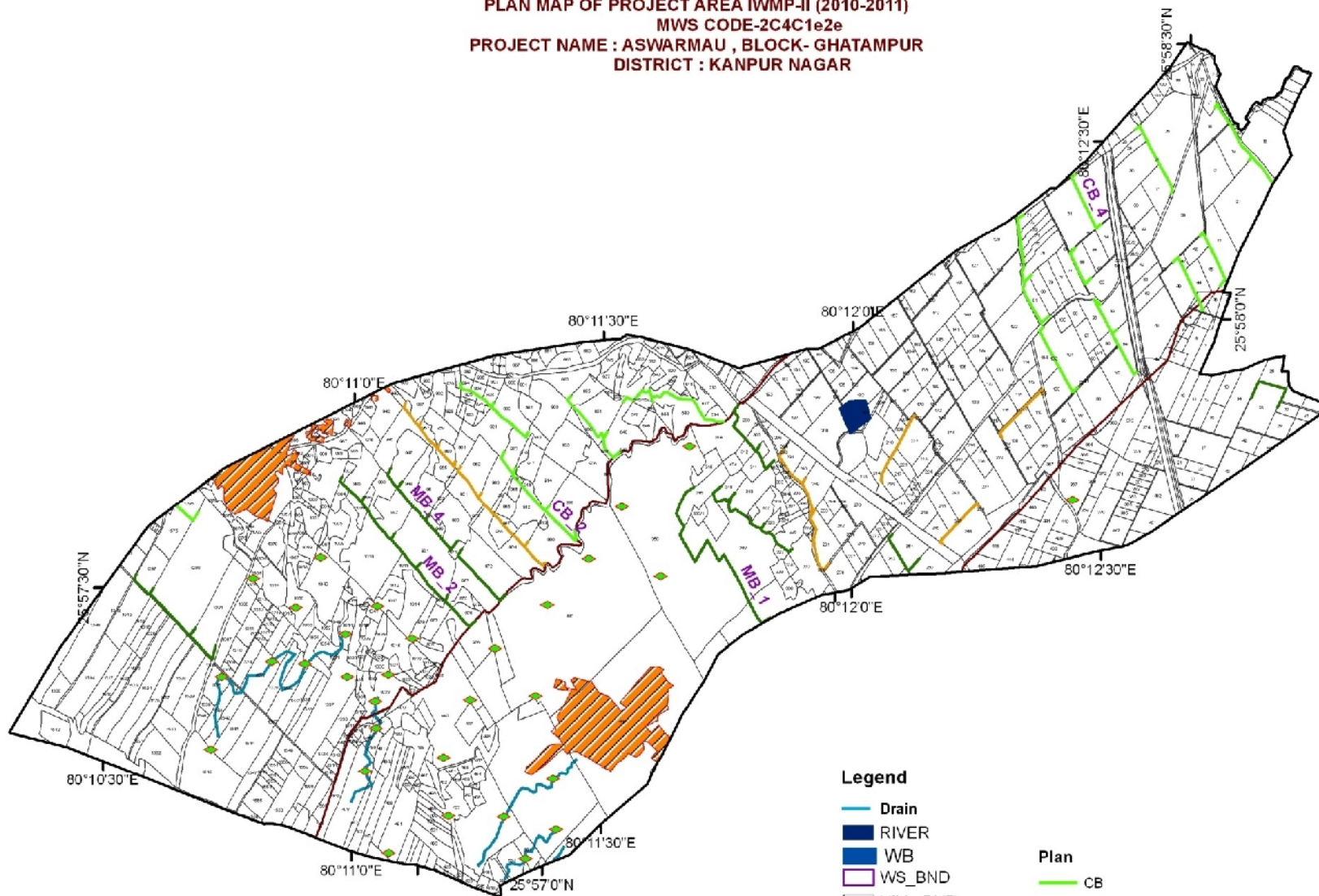
## Legend

- MWS\_BND
- VILL\_NAME**
- ASWARMAU
- BANDH
- BARIPAL
- Bagariya
- DHARCHUWA
- KANDHAULI
- Kasimpur/Lahurimau
- MADHURI
- MAIDHARI
- PADRI GANGA DEEN
- SAMUHI
- SIRSA
- Sidhaul

0 310620 1,240 1,860 2,480 Meters



PLAN MAP OF PROJECT AREA IWMP-II (2010-2011)  
MWS CODE-2C4C1e2e  
PROJECT NAME : ASWARMAU , BLOCK- GHATAMPUR  
DISTRICT : KANPUR NAGAR



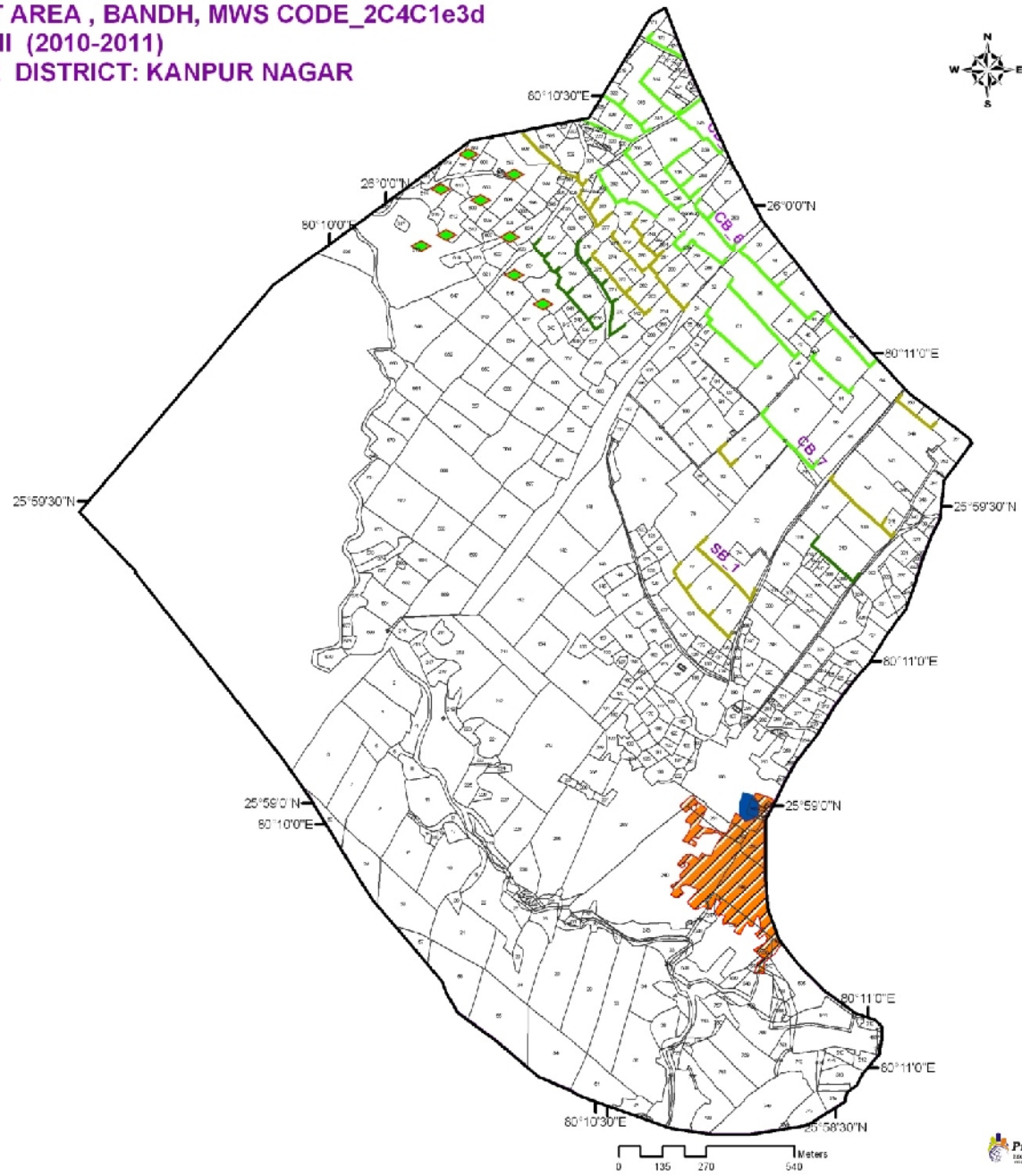
**Legend**

- |                  |    |
|------------------|----|
| Drain            | CB |
| RIVER            | MB |
| WB               | SB |
| WS_BND           | CD |
| VILL_BND         |    |
| IWMP_II(2010-11) |    |
| SETTLEMENT       |    |
| CAD_PLOT         |    |

**Plan**



**ACTION PLAN MAP OF PROJECT AREA , BANDH, MWS CODE\_2C4C1e3d  
IWMP - II (2010-2011)  
BLOCK: GHATAMPUR DISTRICT: KANPUR NAGAR**

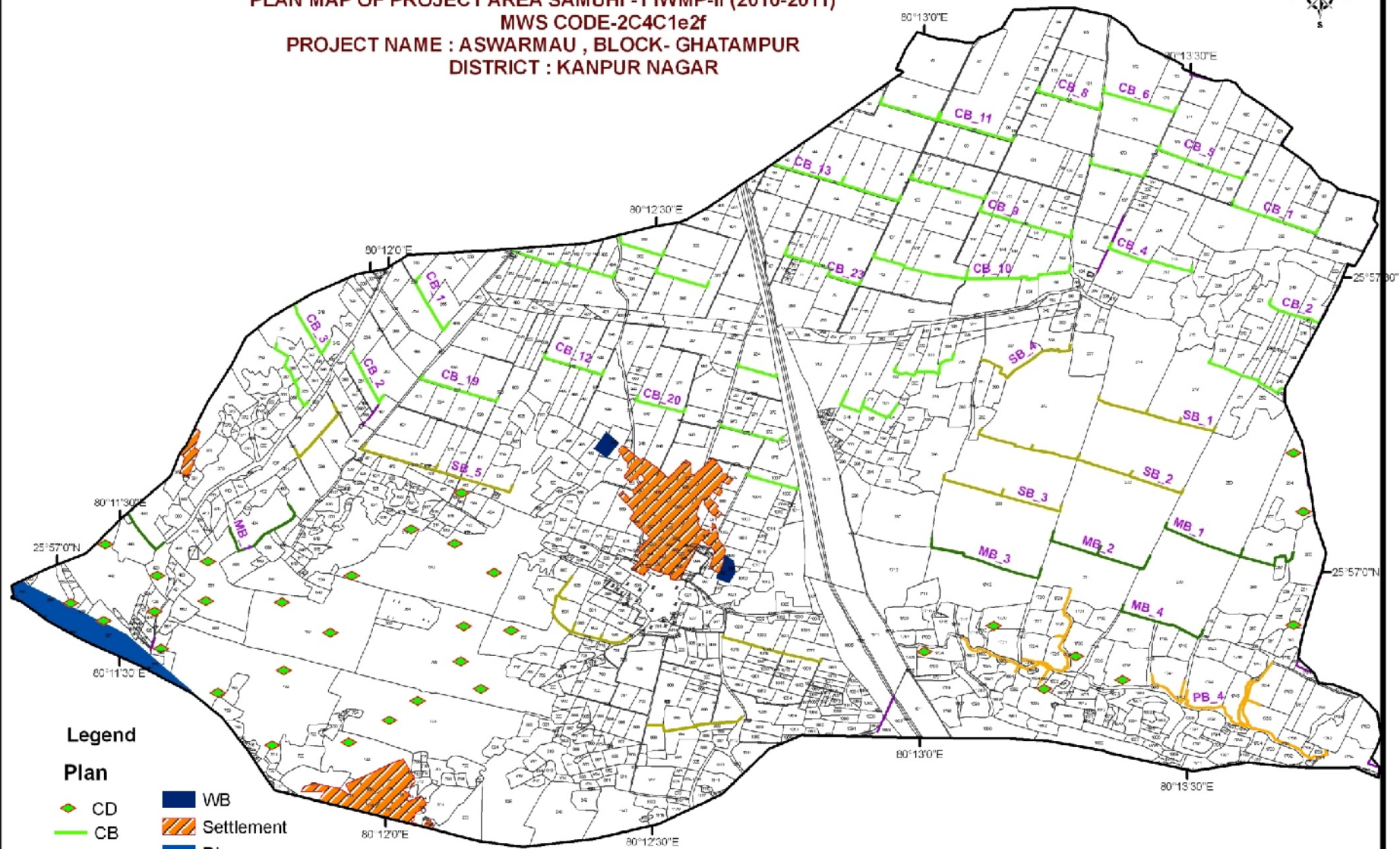


**Legend**

- CD
- CB
- MB
- SB
- MWS\_BND
- CAD\_PLOT
- WB
- Settlement



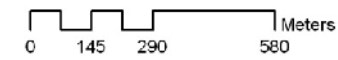
PLAN MAP OF PROJECT AREA SAMUHI -1 IWMP-II (2010-2011)  
MWS CODE-2C4C1e2f  
PROJECT NAME : ASWARMAU , BLOCK- GHATAMPUR  
DISTRICT : KANPUR NAGAR



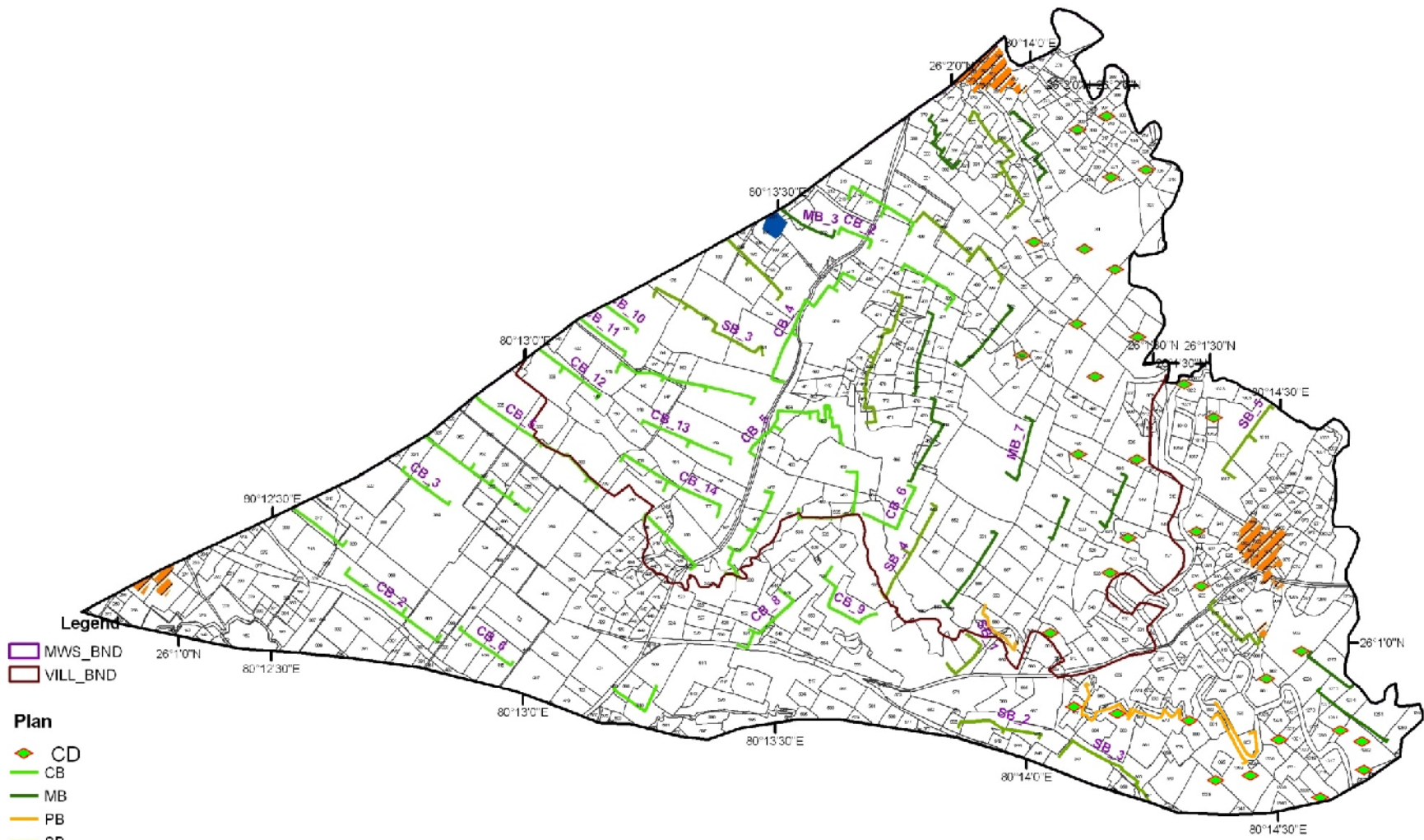
Legend

Plan

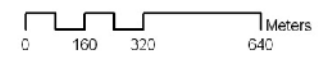
- |  |    |  |            |
|--|----|--|------------|
|  | CD |  | WB         |
|  | CB |  | Settlement |
|  | MB |  | River      |
|  | PB |  | MWS_BND    |
|  | SB |  | CAD_PLOT   |



**ACTION PLAN MAP OF PROJECT AREA MADURI, MWS CODE\_2C4C1d1d  
IWMP - II (2010-2011)  
BLOCK: GHATAMPUR DISTRICT: KANPUR NAGAR**



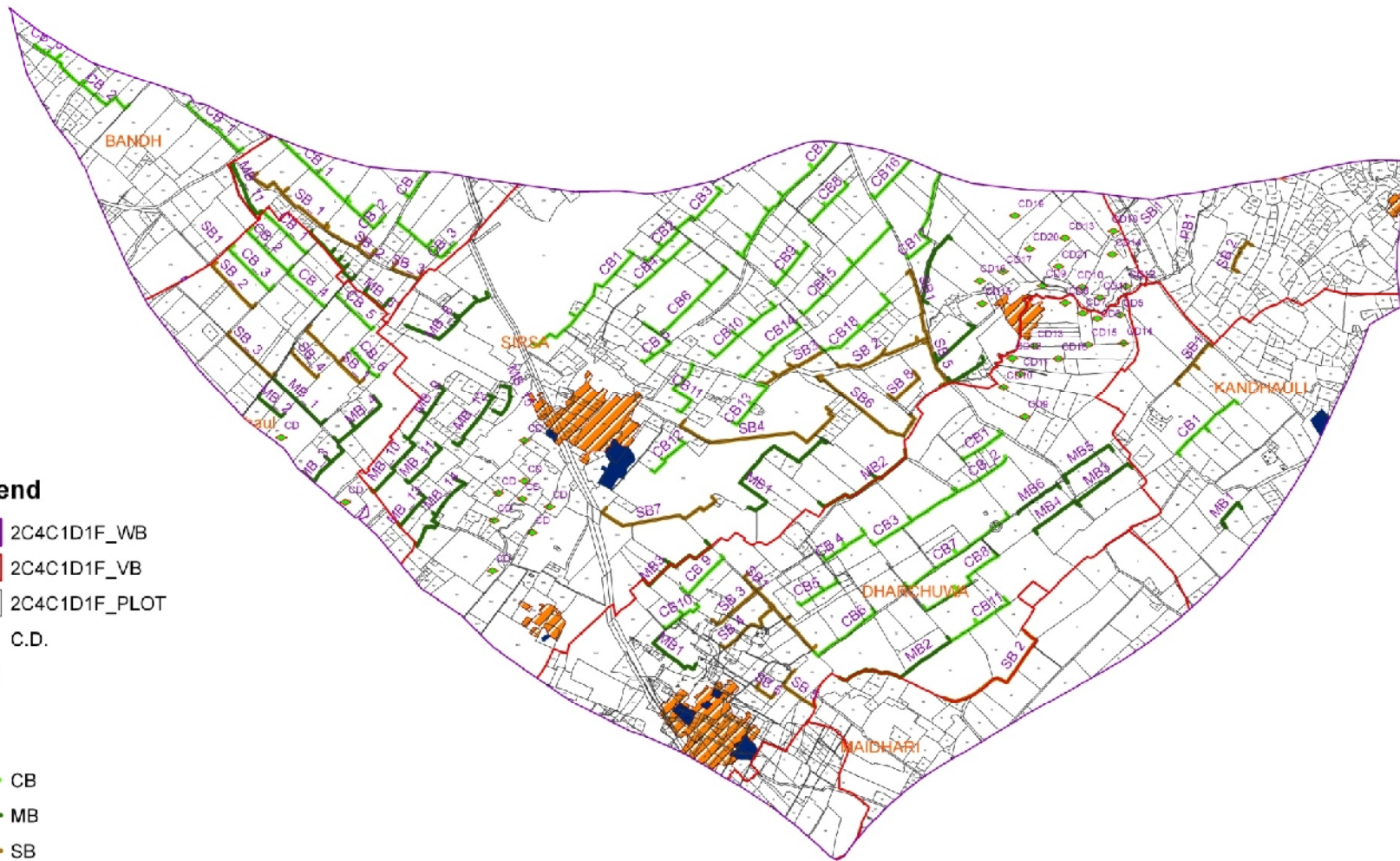
- Legend**
- MWS\_BND
  - VILL\_BND
- Plan**
- ◆ CD
  - CB
  - MB
  - PB
  - SB
  - WB
  - Settlement
  - CAD\_PLOT



Map coordinates: 26°10'N, 80°12'30"E, 80°13°E, 80°13°30"E, 80°14°E, 80°14°30"E, 26°10'N, 26°11'0"N, 26°13'0"N, 26°14'30"N, 26°20'N, 80°13'30"E, 80°14°E, 80°14°30"E



**Action Plan map of Project Area, Sirsa  
IWMP II ( 2010 - 2011 )  
MWS Code -2c4c1d1f  
Block : Ghatampur, District : Kanpur Nagar**



**Legend**

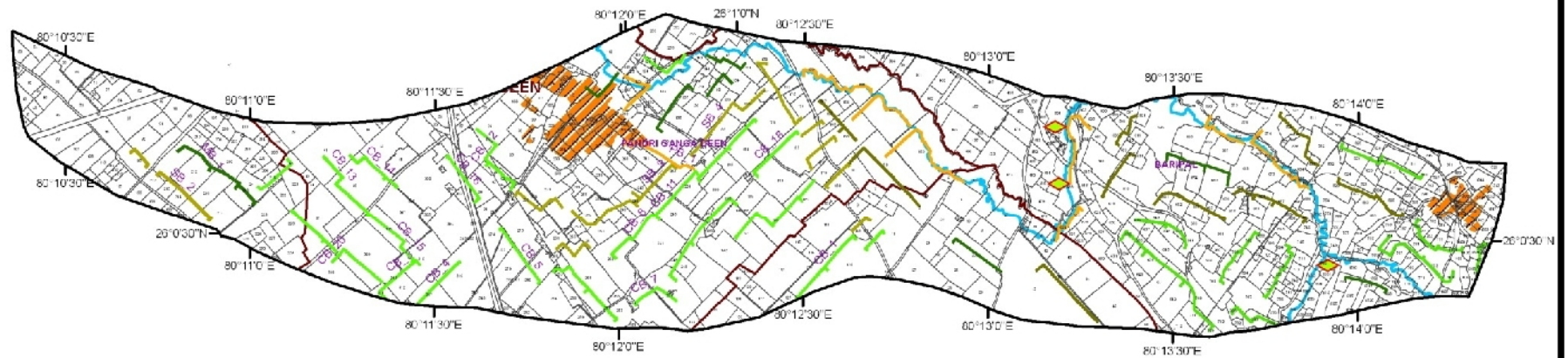
- 2C4C1D1F\_WB
- 2C4C1D1F\_VB
- 2C4C1D1F\_PLOT
- ◆ C.D.

**Plan  
Plan**

- CB
- MB
- SB
- Settlement
- WB
- River

0 95 190 380 Meters

ACTION PLAN MAP OF PROJECT AREA, PANDRI GANGA DEEN IWMP II (2010-2011)  
MWS CODE - 2C4C1d1e  
BLOCK : GHATAMPUR, DISTRICT : KANPUR NAGAR

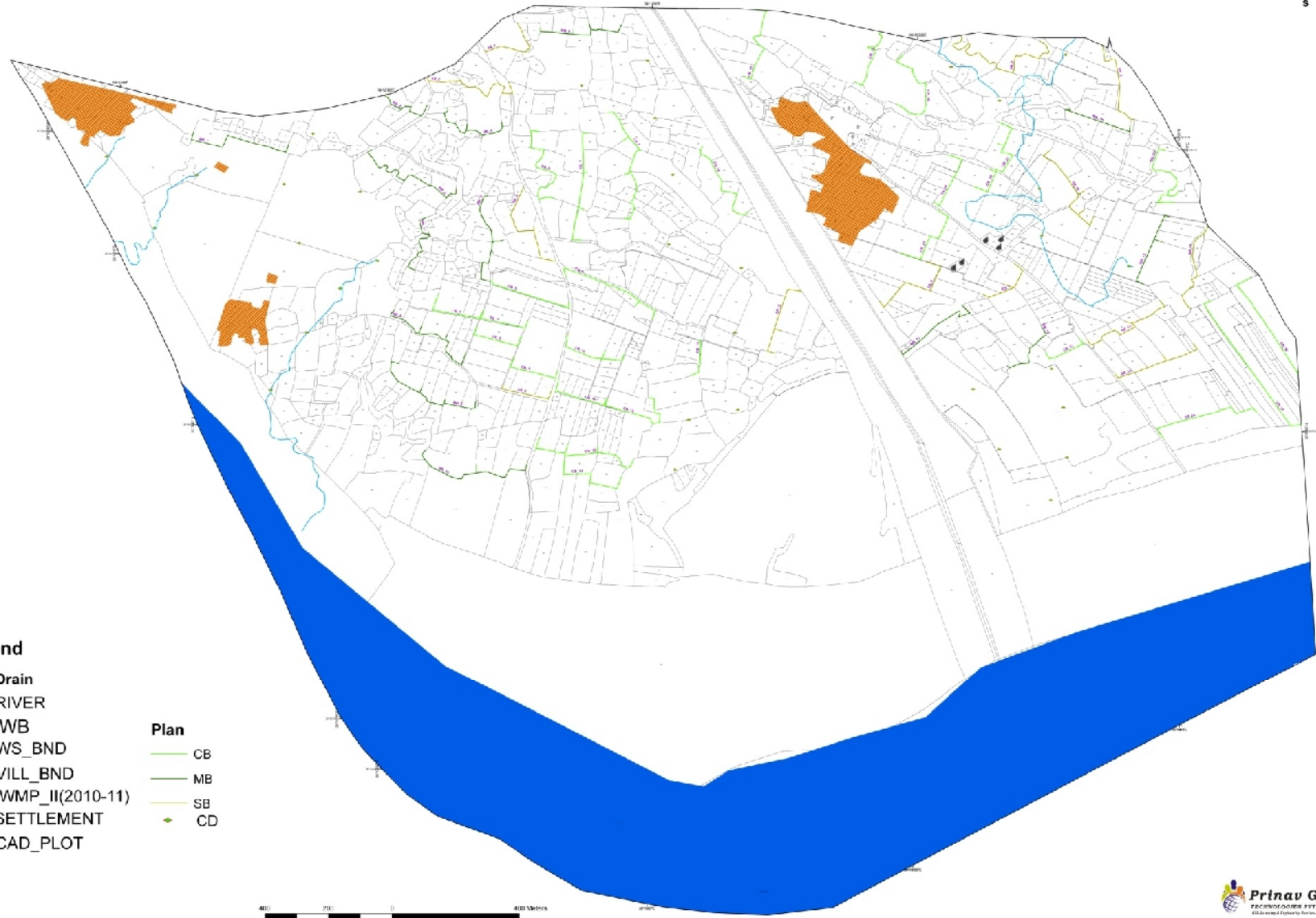


**Legend**

Plan			
	CB		DRAINAGE
	MB		WATER BODY
	PB		SETTLEMENT
	SB		MWS_BND
			CAD_BND



PLAN MAP OF PROJECT AREA IWMP-II (2010-2011)  
MWS CODE-2C4C1e2g  
PROJECT NAME : SAMUHI\_II , BLOCK- GHATAMPUR  
DISTRICT : KANPUR NAGAR



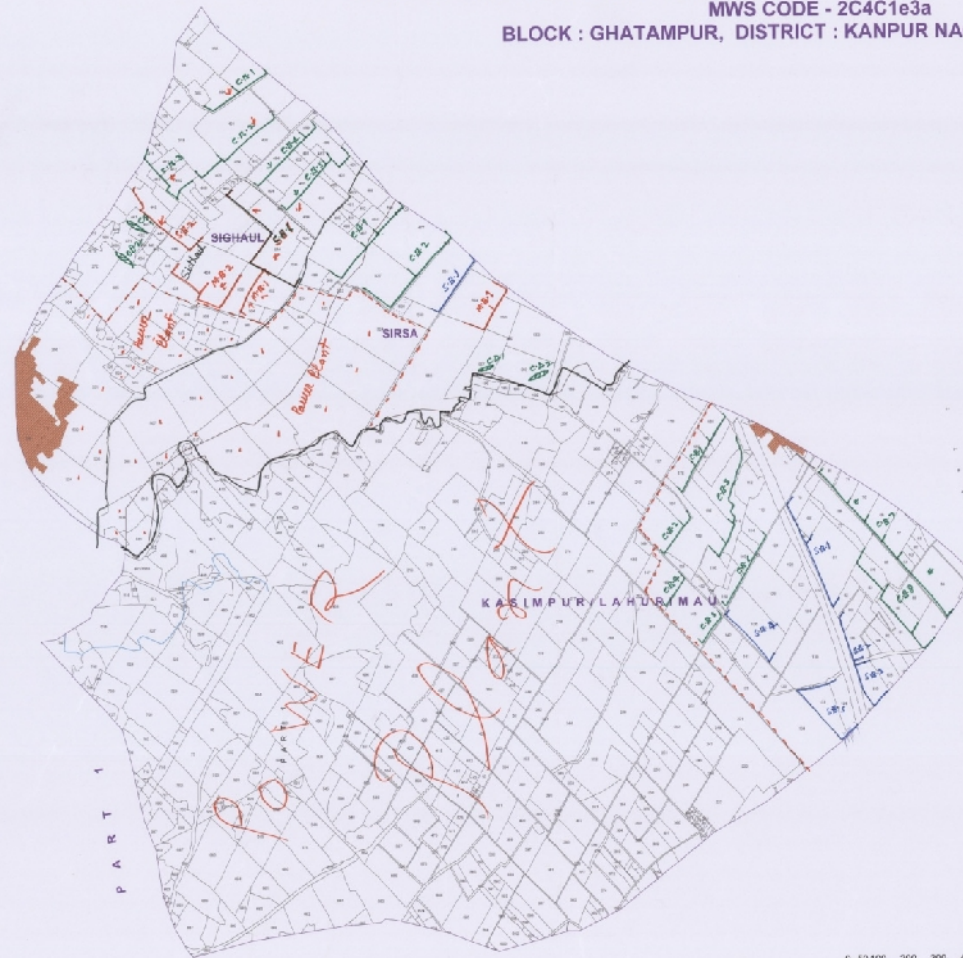
**Legend**

- Drain
  - RIVER
  - WB
  - WS\_BND
  - VILL\_BND
  - IWMP\_II(2010-11)
  - SETTLEMENT
  - CAD\_PLOT
- Plan**
- CB
  - MB
  - SB
  - CD





PLAN MAP OF PROJECT AREA, KASIMPUR/LAHURIMAU PART-2 IWMP II (2010-2011)  
MWS CODE - 2C4C1e3a  
BLOCK : GHATAMPUR, DISTRICT : KANPUR NAGAR



S.N.	Type	Proposed Plan		Quantity	Cost
		Code	Description		
1	Rd. Structure Construction	RD			
		MS			
		FE			
		SB			
2	WWT Installation	WWT			
		RAJ			
		NSP			
		NSP			
3	Manholes	SCAFFOLD			
		SCAFFOLD			
4	Utilities	TELEPHONE			
		TELEPHONE			

APPROVALS		
DATE	BY	DESIGNATION
DATE	BY	DESIGNATION

- Legend**
- DRAINAGE
  - WATER BODY
  - SETTLEMENT
  - MWS\_BND
  - CAD\_BND
  - VILL\_BND

0 50 100 200 300 400  
Meters



PLAN MAP OF PROJECT AREA, KASIMPUR/LAHURIMAU PART-1 IWMP II (2010-2011)  
MWS CODE - 2C4C1e3a  
BLOCK : GHATAMPUR, DISTRICT : KANPUR NAGAR



S.N.	Type	Proposed Plan	Quantity	Cost
1	Soil Moisture Conservation	CB		
		SB		
		FB		
2	Water Harvesting	WB		
		FABM		
		PCWD		
		SCAFFOLD		
3	Afforestation	AGROFORESTRY		
		SOFTWOOD		
4	Horticulture	AGRI-HORTICULTURE		
		ORCHARD		

APPROVAL TABLE		
AKI	INSPECTOR	SEA
TRAKER	CHAFFMAN	DIRECTOR

- Legend**
- DRAINAGE
  - WATER BODY
  - SETTLEMENT
  - MWS\_BND
  - CAD\_BND
  - VILL\_BND

0 50 100 200 300 400 Meters



**ANNEXURE-I**

**BENEFICIARIES WISE DETAILS OF DEVELOPMENTAL ACTIVITIES**

**Details of Proposed / Planned W/S Development Activities.**

MWS & Code – 2C4C1e2e

**Plan Estimate -- Aswarmau**

Gram Panchayat/ Village name	MWS Code	Structure Code	Benefited area (Ha)	Length M.	Field No. /Khasara No.	Total Cost (Rs.)	Contribution SC/ST,Small marginal- 5, other- 10%	Remark (C.S.)
Aswarmau	<b>2C4C1e2e</b>	CB1	6.083	280	104	27005.2	2700.52	1.95
		CB2	10.319	475	81,76	45812.3	4581.23	
		CB3	7.6689	353	83,84	34045.8	3404.58	
		CB4	5.0185	231	61	22279.3	2227.93	
		CB5	5.0619	233	49	22472.2	2247.22	
		CB6	4.8229	222	42,45	21411.2	2141.12	
		CB7	6.1264	282	28,29,30	27198.1	2719.81	
		CB8	8.451	389	10,13,21	37517.9	3751.79	
		CB9	3.7801	174	99	16781.8	1678.18	
		<b>Total</b>	<b>57.332</b>	<b>2639</b>		<b>254524</b>	25452.4	
		SB1	23.368	555	291,290,289	103762	10376.2	
		SB2	11.495	273	216,217,221,222	51039.8	5103.98	
		SB3	8.9263	212	248	39635.3	3963.53	
		SB4	10.442	248	108,109,110	46365.8	4636.58	
		<b>Total</b>	<b>54.232</b>	<b>1288</b>		<b>240803</b>	24080.3	
		M.B. 1	48.365	784	316,349,348	214741	21474.1	
		M.B. 2	31.03	503	318,319,320 to 325	137774	13777.4	
		M.B. 3	20.296	329	299,300	90114.4	9011.44	
		M.B. 4	12.338	200	251	54780.8	5478.08	
		<b>Total</b>	<b>112.03</b>	<b>1816</b>		<b>497410</b>	49741	
		C.D. 1	5.5866	40	350	24787.2	2478.72	
		C.D. 2	6.9832	50	350	30984	3098.4	
		C.D. 3	4.1899	30	350	18590.4	1859.04	



		C.D. 4	6.9832	50	445	30984	3098.4	
		C.D. 5	6.9832	50	445	30984	3098.4	
		C.D. 6	8.3799	60	445	37180.8	3718.08	
		C.D. 7	4.1899	30	445	18590.4	1859.04	
		C.D. 8	6.9832	50	447	30984	3098.4	
		C.D. 9	4.1899	30	449	18590.4	1859.04	
		C.D. 10	4.1899	30	449	18590.4	1859.04	
		C.D. 11	5.5866	40	449	24787.2	2478.72	
		C.D. 12	5.5866	40	560,561	24787.2	2478.72	
		C.D. 13	9.7765	70	497,498	43377.6	4337.76	
		C.D. 14	8.3799	60	447	37180.8	3718.08	
		C.D. 15	8.3799	60	471,472	37180.8	3718.08	
		C.D. 16	9.7765	70	478,482,	43377.6	4337.76	
		C.D. 17	6.9832	50	491	30984	3098.4	
		<b>Total</b>	<b>113.13</b>	<b>810</b>		<b>501941</b>	50194.1	
Lahurimau	<b>2C4C1e2e</b>	CB1	3.0632	141	1295	13599	1359.9	
Kasimpur		CB2	10.819	498	920,919,916	48030.6	4803.06	
		CB3	7.8644	362	648,651,655,	34913.8	3491.38	
		CB4	7.4299	342	894,895,898, 899	32984.9	3298.49	
		CB5	10.254	472	962,963,967	45523	4552.3	
		<b>Total</b>	<b>39.431</b>	<b>1815</b>		<b>175051</b>	17505.1	
		SB1	21.726	516	957,960	96470.7	9647.07	
		SB2	14.316	340	648	63566	6356.6	
		<b>Total</b>	<b>36.042</b>	<b>856</b>		<b>160037</b>	16003.7	
		M.B. 1	30.845	500	1297,1298,1301	136952	13695.2	
		M.B. 2	48.92	793	1003,985,984	217206	21720.6	
		M.B. 3	15.978	259	972	70941.1	7094.11	
		M.B. 4	27.822	451	947,948,950	123531	12353.1	
		<b>Total</b>	<b>123.57</b>	<b>2003</b>		<b>548630</b>	54863	
		C.D. 1	8.3799	60	1542,1543	37180.8	3718.08	
		C.D. 2	6.9832	50	1538	30984	3098.4	
		C.D. 3	6.9832	50	1325	30984	3098.4	
		C.D. 4	5.5866	40	1329	24787.2	2478.72	
		C.D. 5	5.5866	40	1337	24787.2	2478.72	

		C.D. 6	6.9832	50	1033	30984	3098.4	
		C.D. 7	5.5866	40	1038,1023	24787.2	2478.72	
		C.D. 8	5.5866	40	979	24787.2	2478.72	
		C.D. 9	5.5866	40	1013	24787.2	2478.72	
		C.D. 10	6.9832	50	1044	30984	3098.4	
		C.D. 11	6.9832	50	1056	30984	3098.4	
		C.D. 12	6.9832	50	1304	30984	3098.4	
		C.D. 13	6.2849	45	1048	27885.6	2788.56	
		<b>Total</b>	<b>84.497</b>	<b>605</b>		<b>374906</b>	<b>37490.6</b>	
Aswarmau	<b>2C4C1e2e</b>	M.B. 1	13.819	224	28	61354.5	6135.45	
(Samuhi)		<b>Total</b>	<b>13.819</b>	<b>224</b>		<b>61354.5</b>	6135.45	
		C.D. 1	4.8883	35	367	21688.8	2168.88	
		<b>Total</b>	<b>4.8883</b>	<b>35</b>		<b>21688.8</b>	<b>2168.88</b>	

## BENEFICIARIES WISE DETAILS OF DEVELOPMENTAL ACTIVITIES

Details of Proposed / Planned W/S Development Activities.

MWS & Code – 2C4C1e2f

Plan Estimate – Samuhi Ist

Gram Panchayat/ Village name	MWS Code	Structure Code	Benefited area (Ha)	Length M.	Field No. /Khasara No.	Total Cost (Rs.)	Contribution SC/ST, Small marginal- 5, other- 10%	Remark (C.S.)
<b>Samuhi Ist</b>	2C4C1e2f	CB1	6.9085	318	192 to 198	30670.1	3067.01	
		CB2	4.6274	213	240,241	20543.2	2054.32	
		CB3	6.3002	290	215,217,250	27969.6	2796.96	
		CB4	6.8434	315	205,206,213	30380.8	3038.08	
		CB5	6.8434	315	178,179,181,188	30380.8	3038.08	
		CB6	5.9744	275	172,174	26522.9	2652.29	
		CB7	4.584	211	170	20350.3	2035.03	
		CB8	5.3878	248	122,123	23918.9	2391.89	

		CB9	7.4517	343	132,136	33081.3	3308.13	
		CB10	15.642	720	104,105	69441.8	6944.18	
		CB11	6.2351	287	83,89	27680.3	2768.03	
		CB12	5.0836	234	37	22568.6	2256.86	
		CB13	10.015	461	43 to 48	44462.1	4446.21	
		CB14	6.0178	277	96,97,99	26715.8	2671.58	
		CB15	3.9757	183	388	17649.8	1764.98	
		CB16	4.5405	209	397	20157.4	2015.74	
		CB17	8.0165	369	443	35588.9	3558.89	
		CB18	3.1936	147	530,536	14177.7	1417.77	
		CB19	6.083	280	955,944	27005.2	2700.52	
		CB20	4.1495	191	1007	18421.4	1842.14	
		CB21	3.9757	183	970,972	17649.8	1764.98	
		CB22	4.7795	220	59,63	21218.3	2121.83	
		CB23	7.1475	329	541,542	31731.1	3173.11	
		CB24	5.8223	268	331 to 334	25847.8	2584.78	
		CB25	6.5175	300	319,318,323	28934.1	2893.41	
		<b>Total</b>	<b>143.78</b>	<b>7186</b>		<b>638286</b>	63828.6	
		SB1	18.568	441	273,274	82448.8	8244.88	
		SB2	32.337	768	279,272	143584	14358.4	
		SB3	18.568	441	283	82448.8	8244.88	
		SB4	15.621	371	337,338	69361.7	6936.17	
		SB5	23.621	561	510 to 516	104884	10488.4	
		SB6	21.305	506	606,604,603	94601.2	9460.12	
		SB7	14.358	341	900,895,896	63753	6375.3	
		SB8	14.358	341	1028,1030,1031	63753	6375.3	
		<b>Total</b>	<b>158.74</b>	<b>3770</b>		<b>704835</b>	70483.5	
		M.B. 1	32.943	534	253,256	146265	14626.5	
		M.B. 2	25.848	419	272,	146265	14626.5	
		M.B. 3	25.972	421	283	114766	11476.6	
		M.B. 4	19.432	315	270	115314	11531.4	
		P.B. 1	24.923	404	17,54,55,50	86279.8	8627.98	
		P.B. 2	29.426	477	1744,1745	110657	11065.7	
		P.B. 3	13.017	211	1741,1742	57793.7	5779.37	

		P.B. 4	28.007	454	1724,1725,1726	57793.7	5779.37	
		P.B. 5	36.582	593	1687,1688,1689	124352	12435.2	
		<b>Total</b>	<b>236.15</b>	<b>3828</b>		<b>959486</b>	95948.6	
		C.D. 1	5.5866	40	480,481,482	24787.2	2478.72	
		C.D. 2	5.5866	40	618	24787.2	2478.72	
		C.D. 3	5.5866	40	610	24787.2	2478.72	
		C.D. 4	5.5866	40	610	24787.2	2478.72	
		C.D. 5	5.5866	40	766	24787.2	2478.72	
		C.D. 6	6.9832	50	765	30984	3098.4	
		C.D. 7	6.9832	50	765	30984	3098.4	
		C.D. 8	5.5866	40	765	24787.2	2478.72	
		C.D. 9	5.5866	40	723	24787.2	2478.72	
		C.D. 10	6.9832	50	610	30984	3098.4	
		C.D. 11	5.5866	40	762	24787.2	2478.72	
		C.D. 12	5.5866	40	762	24787.2	2478.72	
		C.D. 13	5.5866	40	761	24787.2	2478.72	
		C.D. 14	8.3799	60	723	37180.8	3718.08	
		C.D. 15	8.3799	60	722	37180.8	3718.08	
		C.D. 16	8.3799	60	761	37180.8	3718.08	
		C.D. 17	9.7765	70	661	43377.6	4337.76	
		C.D. 18	11.173	80	761	49574.4	4957.44	
		C.D. 19	8.3799	60	665	37180.8	3718.08	
		C.D. 20	8.3799	60	661	37180.8	3718.08	
		C.D. 21	5.5866	40	1704	24787.2	2478.72	
		C.D. 22	6.9832	50	1719	30984	3098.4	
		C.D. 23	8.3799	60	1663	37180.8	3718.08	
		C.D. 24	8.3799	60	1733	37180.8	3718.08	
		C.D. 25	6.9832	50	1736	30984	3098.4	
		C.D. 26	5.5866	40	254	24787.2	2478.72	
		C.D. 27	6.9832	50	254	30984	3098.4	
		C.D. 28	5.5866	40	262,263	24787.2	2478.72	
		<b>Total</b>	<b>160.61</b>	<b>1390</b>		<b>712632</b>	71263.2	
Samuhi	<b>2C4C1e2f</b>	CB1	5.1705	238	254,255	22954.4	2295.44	
(Aswarmau)		CB2	4.7578	219	263,264	21121.9	2112.19	

		CB3	5.4747	252	348,	24304.6	2430.46	
		CB4	6.083	280	352,358,355	27005.2	2700.52	
		<b>Total</b>	<b>21.486</b>	<b>989</b>		<b>95386.1</b>	9538.61	
		SB1	10.863	258	397	48235.4	4823.54	
		<b>Total</b>	<b>10.863</b>	<b>258</b>		<b>62229.3</b>	6222.93	
		M.B. 1	20.728	336	404	92031.7	9203.17	
		M.B. 2	12.523	<b>203</b>	444	92031.7	9203.17	
		<b>Total</b>	<b>33.251</b>	<b>539</b>		<b>184063</b>	18406.3	
		C.D. 1	5.5866	40	442	24787.2	2478.72	
		C.D. 2	6.9832	50	562	30984	3098.4	
		C.D. 3	8.3799	60	567	37180.8	3718.08	
		C.D. 4	5.5866	40	423	24787.2	2478.72	
		C.D. 5	6.9832	50	425,426	30984	3098.4	
		<b>Total</b>	<b>33.52</b>	<b>240</b>		<b>148723</b>	<b>14872.3</b>	

## BENEFICIARIES WISE DETAILS OF DEVELOPMENTAL ACTIVITIES

Details of Proposed / Planned W/S Development Activities.

MWS & Code – 2C4C1e2g

Plan Estimate – Samuhi IInd

Gram Panchayat/ Village name	MWS Code	Structure Code	Benefited area (Ha)	Length M.	Field No. /Khasara No.	Total Cost (Rs.)	Contribution SC/ST, Small marginal- 5, other- 10%	Remark (C.S.)
<b>Samuhi IInd</b>	2C4C1e2g	CB1	4.6383	214	1458,1457	20591.4	2059.14	
		CB2	4.4167	203	1539	19607.7	1960.77	
		CB3	4.3254	199	1541,1543	19202.6	1920.26	
		CB4	4.3732	201	1550	19414.8	1941.48	
		CB5	6.1894	285	1545	27477.8	2747.78	
		CB6	9.1071	419	1222,1219,1216	40430.6	4043.06	
		CB7	9.1071	419	1240,1294,1295	40430.6	4043.06	
		CB8	10.634	490	1241,1242,1293	47210.8	4721.08	
		CB9	8.5879	395	1351,1358,1359	38125.5	3812.55	

		CB10	5.8983	272	1368,1369	26185.4	2618.54	
		CB11	4.7295	218	1373 to 1376	20996.5	2099.65	
		CB12	7.0715	326	1384,1385	31393.5	3139.35	
		CB13	9.6763	445	1423 to 1428	42957.5	4295.75	
		CB14	6.2829	289	1420,1444	27892.5	2789.25	
		CB15	2.9741	137	1400,1399,1398	13203.6	1320.36	
		CB16	7.2388	333	1259,1267,1270	32136.1	3213.61	
		CB17	7.1214	328	1658 to 1660	31615.3	3161.53	
		CB18	6.1808	285	1820	27439.2	2743.92	
		CB19	7.6602	353	1812	34007.2	3400.72	
		CB20	5.0185	231	1989,1990,1991	22279.3	2227.93	
		CB21	6.3871	294	2021,2023	28355.4	2835.54	
		CB22	3.5238	162	2090	15643.7	1564.37	
		CB23	8.325	383	1855,1857	36958.5	3695.85	
		CB24	8.3663	385	1907	37141.7	3714.17	
		CB25	11.571	533	1883	51367.7	5136.77	
		CB26	8.4727	390	1875	37614.3	3761.43	
		CB27	5.9896	276	1975	26590.4	2659.04	
		CB28	2.9741	137	1992	13203.6	1320.36	
		<b>Total</b>	<b>186.84</b>	<b>8600</b>		<b>829473</b>	82947.3	
		SB1	10.484	249	1111	46552.7	4655.27	
		SB2	16.505	392	1118,1120,1199	73287.8	7328.78	
		SB3	14.947	355	1208,1210,1211	66370.4	6637.04	
		SB4	8.3368	198	1551,1552,1553	37017.8	3701.78	
		SB5	12.589	299	1327,1328	55900.7	5590.07	
		SB6	14.568	346	1781,1785,1786	64687.7	6468.77	
		SB7	9.9789	237	2036,2037,2038	44309.2	4430.92	
		SB8	23.621	561	1842,1768,1769	104884	10488.4	
		SB9	12.968	308	1837,1957,1958	57583.3	5758.33	
		SB10	17.263	410	2048,2047	76653.1	7665.31	
		SB11	14.358	341	1866,1868	63753	6375.3	
		SB12	15.411	366	1922,1921,	68426.9	6842.69	
		SB13	13.684	325	1916,1918	60761.6	6076.16	
		<b>Total</b>	<b>184.72</b>	<b>4387</b>		<b>820188</b>	82018.8	

	M.B. 1	24.417	396	832,827,839	108411	10841.1
	M.B. 2	13.072	212	1045,1140	108411	10841.1
	M.B. 3	26.496	430	1156,1158	58040.3	5804.03
	M.B. 4	18.39	298	1125,1126,	117642	11764.2
	M.B. 5	23.085	374	1184,1450	81650.8	8165.08
	M.B. 6	20.635	335	1006,1105,1101	102495	10249.5
	M.B. 7	16.619	269	1468,1174,1173	73789.7	7378.97
	M.B. 8	26.07	423	1462,1529,1530	73789.7	7378.97
	M.B. 9	26.465	429	1568,1566	115752	11575.2
	M.B. 10	27.921	453	1592,1591	117505	11750.5
	M.B. 11	20.469	332	2058,2054	123969	12396.9
	M.B. 12	13.621	221	2075,2076	90881.3	9088.13
	M.B. 13	17.896	290	1862 to 1865	60478	6047.8
	M.B. 14	15.41	250	1842	79459.6	7945.96
	<b>Total</b>	<b>275.16</b>	<b>4710</b>		<b>1232815</b>	123281.5
	C.D. 1	6.9832	50	835	30984	3098.4
	C.D. 2	9.7765	70	837	43377.6	4337.76
	C.D. 3	6.9832	50	836	30984	3098.4
	C.D. 4	6.9832	50	1147	30984	3098.4
	C.D. 5	8.3799	60	1473	37180.8	3718.08
	C.D. 6	8.3799	60	1473	37180.8	3718.08
	C.D. 7	9.7765	70	1473	43377.6	4337.76
	C.D. 8	5.5866	40	1472	24787.2	2478.72
	C.D. 9	6.9832	50	1495	30984	3098.4
	C.D. 10	8.3799	60	1494,1477	37180.8	3718.08
	C.D. 11	10.475	75	1485,1486	46476	4647.6
	C.D. 12	5.5866	40	1235	24787.2	2478.72
	C.D. 13	5.5866	40	1248,1253	24787.2	2478.72
	C.D. 14	6.9832	50	1255,1260	30984	3098.4
	C.D. 15	6.9832	50	1282	30984	3098.4
	C.D. 16	8.3799	60	1317	37180.8	3718.08
	C.D. 17	9.7765	70	1323	43377.6	4337.76
	C.D. 18	9.7765	70	1325,1326	43377.6	4337.76
	C.D. 19	8.3799	60	1342	37180.8	3718.08

		C.D. 20	8.3799	60	1402	37180.8	3718.08	
		C.D. 21	9.7765	70	1405	43377.6	4337.76	
		C.D. 22	6.9832	50	1814,1813	30984	3098.4	
		C.D. 23	8.3799	60	1717,1776	37180.8	3718.08	
		C.D. 24	8.3799	60	1769	37180.8	3718.08	
		C.D. 25	6.9832	50	1967	30984	3098.4	
		C.D. 26	5.5866	40	1941,1942	24787.2	2478.72	
		C.D. 27	5.5866	40	1950	24787.2	2478.72	
		C.D. 28	5.5866	40	2096	24787.2	2478.72	
		C.D. 29	5.5866	40	2095,2091	24787.2	2478.72	
		C.D. 30	6.9832	50	2095	30984	3098.4	
		C.D. 31	6.9832	50	2096	30984	3098.4	
		C.D. 32	8.3799	60	2095	37180.8	3718.08	
		C.D. 33	9.7765	70	2099	43377.6	4337.76	
		<b>Total</b>	<b>210.2</b>	<b>1815</b>		<b>932618</b>	<b>93261.8</b>	

## BENEFICIARIES WISE DETAILS OF DEVELOPMENTAL ACTIVITIES

Details of Proposed / Planned W/S Development Activities.

MWS & Code – 2C4C1d1e

**Plan Estimate – Padri Gangadeen**

Gram Panchayat/ Village name	MWS Code	Structure Code	Benefited area (Ha)	Length M.	Field No. /Khasara No.	Total Cost (Rs.)	Contribution SC/ST, Small marginal- 5, other- 10%	Remark (C.S.)
Padri Gangadeen	2C4C1d1e	CB1	6.9281	319	44,45	30756.9	3075.69	
		CB2	6.8064	313	310	30216.8	3021.68	
		CB3	9.3113	429	312,315	41337.2	4133.72	



		CB4	10.597	488	317,316	47046.8	4704.68	
		CB5	7.1758	330	372,373,370	31856.4	3185.64	
		CB6	10.05	463	263,264	44616.4	4461.64	
		CB7	5.3422	246	248	23716.3	2371.63	
		CB8	6.8021	313	241,245	30197.6	3019.76	
		CB9	12.103	557	191,198	53730.6	5373.06	
		CB10	12.314	567	190,182,179	54666.2	5466.62	
		CB11	6.9237	319	201,202	30737.7	3073.77	
		CB12	9.5872	441	93,94	42562.1	4256.21	
		CB13	8.4793	390	41,46	37643.3	3764.33	
		CB14	7.0345	324	47,48	31229.5	3122.95	
		CB15	7.4538	343	307	33091	3309.1	
		CB16	6.1308	282	89	27217.3	2721.73	
		CB17	9.1723	422	185,184,176	40719.9	4071.99	
		CB18	6.7999	313	177	30187.9	3018.79	
		CB19	5.1075	235	29,	22674.7	2267.47	
		CB20	6.7652	311	309	30033.6	3003.36	
		<b>Total</b>	<b>160.88</b>	<b>7406</b>		<b>714238</b>	71423.8	
		SB1	9.7095	231	251,260	43112.7	4311.27	
		SB2	12.859	305	231	57097.2	5709.72	
		SB3	18.463	439	37	81981.4	8198.14	
		SB4	21.646	514	155,153,152	96115.5	9611.55	
		SB5	5.7811	137	183	25669.4	2566.94	
		SB6	7.6	181	170,171	33746.1	3374.61	
		SB7	19.663	467	170,	87309.8	8730.98	
		SB8	12.042	286	161,164	53470.2	5347.02	
		SB9	12.337	293	203	54778.9	5477.89	
		SB10	17.642	419	159	78335.7	7833.57	
		SB11	10.189	242	166	45244	4524.4	
		<b>Total</b>	<b>147.93</b>	<b>3513</b>		<b>656861</b>	65686.1	
		M.B. 1	13.572	220	112	60258.9	6025.89	
		M.B. 2	19.062	309	137,138,141	60258.9	6025.89	
		M.B. 3	11.721	190	154,151	84636.3	8463.63	
		M.B. 4	13.757	223	147,149	52041.8	5204.18	

		P.B. 1	23.072	374	204,206	61080.6	6108.06	
		P.B. 2	18.445	299	120,122,126	102440	10244	
		P.B. 3	34.3	556	169	152291	15229.1	
		P.B. 4	23.936	388	167	152291	15229.1	
		P.B. 5	28.501	462	160	106275	10627.5	
		<b>Total</b>	<b>186.37</b>	<b>3021</b>		<b>831573</b>	83157.3	
Padri Gangadeen (Bandh)	2C4C1d1e	CB1	8.7117	401	46,48,49,50	38675.2	3867.52	
		CB2	11.058	509	106,107	49091.5	4909.15	
		CB3	5.6268	259	155	24979.8	2497.98	
		CB4	4.6926	216	229	20832.6	2083.26	
		<b>Total</b>	<b>30.089</b>	<b>1385</b>		<b>133579</b>	13357.9	
		SB1	6.0632	144	91,95	26922.1	2692.21	
		SB2	14.905	354	211,215,216	66183.4	6618.34	
		<b>Total</b>	<b>20.968</b>	<b>498</b>		<b>93105.5</b>	9310.55	
		M.B. 1	32.819	532	197,200,205,203,207,206	145717	14571.7	
		<b>Total</b>	<b>32.819</b>	<b>532</b>		<b>145717</b>	14571.7	
Padri Gangadeen (Sirsa)	2C4C1d1e	CB1	14.512	668	127,125,118	64426.6	6442.66	
		CB2	3.1718	146	11	14081.3	1408.13	
		<b>Total</b>	<b>17.684</b>	<b>814</b>		<b>78507.9</b>	7850.79	
		SB1	17.011	404	47	75531.4	7553.14	
		SB2	5.1368	122	10	22809	2280.9	
		<b>Total</b>	<b>22.147</b>	<b>526</b>		<b>98340.3</b>	9834.03	
		M.B. 1	17.582	285	23	78062.6	7806.26	
		<b>Total</b>	<b>17.582</b>	<b>285</b>		<b>78062.6</b>	7806.26	
Padri Gangadeen (Baripal)	2C4C1d1e	CB1	5.6702	261	255,252	25172.7	2517.27	
		CB2	16.294	750	635,638,711	72335.3	7233.53	
		CB3	7.1258	328	649,648, 647	31634.6	3163.46	
		CB4	7.3865	340	700,703,704	32792	3279.2	
		CB5	7.1475	329	694,697,706	31731.1	3173.11	
		CB6	6.952	320	708,733	30863	3086.3	
		CB7	10.189	469	828,826,811	45233.6	4523.36	
		CB8	7.6689	353	788,786,785	34045.8	3404.58	
		CB9	12.731	586	764,773	56517.9	5651.79	
		CB10	8.5814	395	1364,1365,1399	38096.6	3809.66	

		<b>Total</b>	<b>89.746</b>	<b>4131</b>		<b>398423</b>	39842.3	
		SB1	11.2	266	610,612,613	49731	4973.1	
		SB2	8.9684	213	598,595	39822.2	3982.22	
		SB3	16.379	389	651,655,665	72727	7272.7	
		SB4	18.989	451	676,675,82	84318.4	8431.84	
		SB5	14.947	355	575,441,832	66370.4	6637.04	
		SB6	16.463	391	824,821,805	73100.9	7310.09	
		<b>Total</b>	<b>86.947</b>	<b>2065</b>		<b>386070</b>	38607	
		M.B. 1	14.065	228	1504,1507,1519	62450.1	6245.01	
		M.B. 2	25.91	420	663,664	62450.1	6245.01	
		P.B. 1	15.669	254	622,623,624	115040	11504	
		P.B. 2	27.39	444	604,603,605	69571.6	6957.16	
		P.B. 3	16.595	269	578	73680.2	7368.02	
		P.B. 4	27.761	450	576,834	73680.2	7368.02	
		<b>Total</b>	<b>127.39</b>	<b>2065</b>		<b>456872</b>	45687.2	
		C.D. 1	4.1899	30	488	18590.4	1859.04	
		C.D. 2	6.9832	50	504	30984	3098.4	
		C.D. 3	5.5866	40	1562	24787.2	2478.72	
		<b>Total</b>	<b>16.76</b>	<b>120</b>		<b>74361.6</b>	<b>7436.16</b>	

## BENEFICIARIES WISE DETAILS OF DEVELOPMENTAL ACTIVITIES

### Details of Proposed / Planned W/S Development Activities.

MWS & Code – 2C4C1e3d

#### Plan Estimate – Bandh

Gram Panchayat/ Village name	MWS Code	Structure Code	Benefited area (Ha)	Length M.	Field No. /Khasara No.	Total Cost (Rs.)	Contribution SC/ST, Small marginal- 5, other- 10%	Remark (C.S.)
Bandh	2C4C1e3d	CB1	4.8881	225	314	21700.6	2170.06	
		CB2	7.2779	335	248	32309.7	3230.97	
		CB3	7.0606	325	256,258	31345.3	3134.53	
		CB4	6.2133	286	253	27583.8	2758.38	
		CB5	4.6274	213	327	20543.2	2054.32	
		CB6	5.8657	270	315,316,322	26040.7	2604.07	
		CB7	6.3002	290	296 to 300	27969.6	2796.96	
		CB8	6.0613	279	255	26908.7	2690.87	
		CB9	6.1916	285	292,	27487.4	2748.74	
		<b>Total</b>	<b>54.486</b>	<b>2508</b>		<b>241889</b>	24188.9	
		SB1	10.194	242	257,260,261	45262.7	4526.27	
		SB2	7.7558	184	279,280	34437.8	3443.78	
		SB3	13.659	324	584,589	60649.4	6064.94	
		SB4	13.356	317	262,263,272,274	59303.3	5930.33	
		SB5	8.5179	202	281,282,284,285	37821.8	3782.18	
		SB6	10.56	251	290,284,287	46889.3	4688.93	
		<b>Total</b>	<b>64.042</b>	<b>1521</b>		<b>284364</b>	28436.4	
		M.B. 1	29.167	473	270 to 276	129502	12950.2	
		M.B. 2	30.142	489	630 to 636	129502	12950.2	
		<b>Total</b>	<b>59.309</b>	<b>961</b>		<b>259004</b>	25900.4	
		C.D. 1	6.9832	50	631	30984	3098.4	
		C.D. 2	6.9832	50	632	30984	3098.4	
		C.D. 3	5.5866	40	624,606	24787.2	2478.72	

		C.D. 4	6.9832	50	603	30984	3098.4	
		C.D. 5	6.9832	50	597	30984	3098.4	
		C.D. 6	5.5866	40	581	24787.2	2478.72	
		C.D. 7	6.9832	50	614	30984	3098.4	
		C.D. 8	6.2849	45	612	27885.6	2788.56	
		C.D. 9	6.9832	50	616	30984	3098.4	
		<b>Total</b>	<b>59.358</b>	<b>425</b>		<b>263364</b>	26336.4	
Bandh	2C4C1e3d	CB1	8.451	389	37,38	37517.9	3751.79	
(Sidhoul)		CB2	7.6255	351	41,42,43	33852.9	3385.29	
		CB3	6.3002	290	35	27969.6	2796.96	
		CB4	5.4095	249	61	24015.3	2401.53	
		CB5	4.3667	201	53	19385.8	1938.58	
		CB6	6.2568	288	52	27776.7	2777.67	
		<b>Total</b>	<b>38.41</b>	<b>1768</b>		<b>170518</b>	17051.8	
		SB1	13.583	323	72	60312.9	6031.29	
		SB2	16.459	391	75 to 77	73082.2	7308.22	
		SB3	13.785	327	346	61210.3	6121.03	
		SB4	5.2337	124	85	23239	2323.9	
		SB5	7.8695	187	85	34942.6	3494.26	
		<b>Total</b>	<b>56.931</b>	<b>1352</b>		<b>252787</b>	25278.7	
		M.B. 1	17.205	279	325,320	76391.8	7639.18	
		M.B. 2	18.667	303	300,299	76391.8	7639.18	
		M.B. 3	15.207	247	318	82883.4	8288.34	
		<b>Total</b>	<b>51.08</b>	<b>828</b>		<b>235667</b>	<b>23566.7</b>	

## BENEFICIARIES WISE DETAILS OF DEVELOPMENTAL ACTIVITIES

Details of Proposed / Planned W/S Development Activities.

MWS & Code – 2C4C1d1d

**Plan Estimate – Maduri**

Gram Panchayat/ Village name	MWS Code	Structure Code	Benefited area (Ha)	Length M.	Field No. /Khasara No.	Total Cost (Rs.)	Contribution SC/ST, Small marginal- 5, other- 10%	Remark (C.S.)
Maduri	2C4C1d1d	CB1	7.997	368	410,406	35502.1	3550.21	
		CB2	3.6085	166	412	16019.8	1601.98	
		CB3	6.6522	306	401	29532.1	2953.21	
		CB4	13.144	605	420	58350.4	5835.04	
		CB5	14.979	690	420,421	66500.2	6650.02	
		CB6	6.6196	305	453,465	29387.4	2938.74	
		CB7	8.6074	396	465	38212.3	3821.23	
		CB8	10.75	495	462	47722	4772.2	
		CB9	12.355	569	457,459	54849.4	5484.94	
		CB10	3.4695	160	191,164,162	15402.6	1540.26	
		CB11	4.9967	230	166	22182.8	2218.28	
		CB12	6.9368	319	166	30795.5	3079.55	
		CB13	8.2642	380	144,145	36688.4	3668.84	
		CB14	10.313	475	144	45783.4	4578.34	
		CB15	6.7586	311	159	30004.7	3000.47	
		<b>Total</b>	125.45	5775		556933	55693.3	
		SB1	19.865	472	383,384	88207.2	8820.72	
		SB2	13.651	324	395,360	60612	6061.2	
		SB3	22.358	531	193,197	99275.1	9927.51	
		SB4	18.438	438	190,191	81869.3	8186.93	
		SB5	24.295	577	553	107875	10787.5	
		SB6	26.442	628	269,298	117410	11741	
		<b>Total</b>	<b>125.05</b>	<b>2970</b>		<b>555249</b>	55524.9	
		M.B. 1	21.678	351	294,293	96249.9	9624.99	
		M.B. 2	20.685	335	368,370	96249.9	9624.99	

		M.B. 3	14.824	240	312,315	91840	9184	
		M.B. 4	18.853	306	426,437	65819.1	6581.91	
		M.B. 5	21.592	350	781,869	83705.1	8370.51	
		M.B. 6	18.692	303	353,429	95866.4	9586.64	
		M.B. 7	17.267	280	435	76665.7	7666.57	
		M.B. 8	20.851	338	551,555	76665.7	7666.57	
		M.B. 9	15.608	253	504,503	92579.6	9257.96	
		M.B. 10	10.722	174	499	69297.7	6929.77	
		P.B. 1	14.189	230	499	47604.5	4760.45	
		<b>Total</b>	<b>194.96</b>	<b>3160</b>		<b>892544</b>	89254.4	
		C.D. 1	5.5866	40	316	24787.2	2478.72	
		C.D. 2	6.9832	50	310	30984	3098.4	
		C.D. 3	6.9832	50	324	30984	3098.4	
		C.D. 4	8.3799	60	328	37180.8	3718.08	
		C.D. 5	4.1899	30	300	18590.4	1859.04	
		C.D. 6	5.5866	40	300	24787.2	2478.72	
		C.D. 7	6.9832	50	301	30984	3098.4	
		C.D. 8	6.9832	50	359	30984	3098.4	
		C.D. 9	5.5866	40	351	24787.2	2478.72	
		C.D. 10	8.3799	60	385	37180.8	3718.08	
		C.D. 11	8.3799	60	306	37180.8	3718.08	
		C.D. 12	6.9832	50	496	30984	3098.4	
		C.D. 13	8.3799	60	505	37180.8	3718.08	
		C.D. 14	8.3799	60	523	37180.8	3718.08	
		C.D. 15	6.9832	50	522	30984	3098.4	
		C.D. 16	4.8883	35	542	21688.8	2168.88	
		<b>Total</b>	<b>109.64</b>	<b>785</b>		<b>486449</b>	48644.9	
Maduri	2C4C1d1d	CB1	5.3335	246	322	23677.7	2367.77	
(Baripal)		CB2	9.9935	460	364	44365.6	4436.56	
		CB3	5.2466	242	363,362	23292	2329.2	
		CB4	11.267	519	355,338	50017.4	5001.74	
		CB5	12.7	585	322,328	56382.9	5638.29	
		CB6	5.1705	238	354,353	22954.4	2295.44	
		CB7	5.0185	231	509	22279.3	2227.93	

		CB8	7.7341	356	514,532	34335.1	3433.51
		CB9	7.7124	355	532	34238.7	3423.87
		<b>Total</b>	<b>70.176</b>	<b>3230</b>		<b>311543</b>	31154.3
		SB1	10.055	239	557	44645.8	4464.58
		SB2	14.202	337	846	63061.2	6306.12
		SB3	17.907	425	847	79513.6	7951.36
		SB4	12.716	302	909	56461.6	5646.16
		SB5	15.242	362	1011,1012	67679.1	6767.91
		<b>Total</b>	<b>70.122</b>	<b>1665</b>		<b>311361</b>	31136.1
		M.B. 1	19.124	310	857	84910.2	8491.02
		M.B. 2	13.448	218	1275,1274	84910.2	8491.02
		P.B. 1	22.27	361	898	59711.1	5971.11
		P.B. 2	16.533	268	879	98879.3	9887.93
		P.B. 3	14.25	231	881	63271.8	6327.18
		P.B. 4	21.098	342	1309	63271.8	6327.18
		<b>Total</b>	<b>106.72</b>	<b>1730</b>		<b>454955</b>	45495.5
		C.D. 1	4.1899	30	865	18590.4	1859.04
		C.D. 2	5.5866	40	863	24787.2	2478.72
		C.D. 3	5.5866	40	880	24787.2	2478.72
		C.D. 4	4.1899	30	1329	18590.4	1859.04
		C.D. 5	5.5866	40	1309	24787.2	2478.72
		C.D. 6	8.3799	60	1332	37180.8	3718.08
		C.D. 7	6.9832	50	1338	30984	3098.4
		C.D. 8	8.3799	60	1380	37180.8	3718.08
		C.D. 9	6.9832	50	1382	30984	3098.4
		C.D. 10	8.3799	60	1381	37180.8	3718.08
		C.D. 11	8.3799	60	902	37180.8	3718.08
		C.D. 12	5.5866	40	903	24787.2	2478.72
		C.D. 13	6.9832	50	624,930	30984	3098.4
		C.D. 14	6.9832	50	941	30984	3098.4
		C.D. 15	5.5866	40	1006	24787.2	2478.72
		C.D. 16	8.3799	60	1023	37180.8	3718.08
		<b>Total</b>	<b>106.15</b>	<b>760</b>		<b>470957</b>	<b>47095.7</b>



## BENEFICIARIES WISE DETAILS OF DEVELOPMENTAL ACTIVITIES

Details of Proposed / Planned W/S Development Activities.

MWS & Code – 2C4C1e3a

### Plan Estimate – Lahurimau Kasimpur

Gram Panchayat/ Village name	MWS Code	Structure Code	Benefited area (Ha)	Length M.	Field No. /Khasara No.	Total Cost (Rs.)	Contribution SC/ST,Small marginal- 5, other- 10%	Remark (C.S.)
Lahurimau Kasimpur	2C4C1e3a	CB1	6.5175	300	170,169,168	28934.1	2893.41	
		CB2	4.345	200	161	19289.4	1928.94	
		CB3	10.862	500	189,165	48223.5	4822.35	
		CB4	3.2587	150	146	14467.1	1446.71	
		CB5	3.0415	140	145	13502.6	1350.26	
		CB6	6.083	280	138,115	27005.2	2700.52	
		CB7	14.121	650	35,59 to 71	62690.6	6269.06	
		CB8	10.319	475	84,90,89	45812.3	4581.23	
		<b>Total</b>	<b>58.549</b>	<b>2695</b>		<b>259925</b>	25992.5	
		SB1	18.105	430	76,81,80	80392.3	8039.23	
		SB2	8.4211	200	93,95	37391.8	3739.18	
		SB3	8.4211	200	105	37391.8	3739.18	
		SB4	10.526	250	126	46739.7	4673.97	
		SB5	12.842	305	133	57022.4	5702.24	
		<b>Total</b>	<b>58.316</b>	<b>1385</b>		<b>258938</b>	25893.8	
		P.B. 1	18.507	300	1179,1163	379357	37935.7	
		P.B. 2	18.507	300	1210,1211	82171.2	8217.12	
		P.B. 3	21.592	350	1266,1265,1260	95866.4	9586.64	
		P.B. 4	26.218	425	1249,1250,1252	95866.4	9586.64	
		<b>Total</b>	<b>84.824</b>	<b>1375</b>		<b>653261</b>	65326.1	
		C.D. 1	9.7765	70	1189	43377.6	4337.76	
		C.D. 2	8.3799	60	1192	37180.8	3718.08	
		C.D. 3	9.7765	70	1216	43377.6	4337.76	
		C.D. 4	11.173	80	1216	49574.4	4957.44	

		C.D. 5	8.3799	60	1193	37180.8	3718.08	
		C.D. 6	6.9832	50	1450	30984	3098.4	
		C.D. 7	9.0782	65	1203	40279.2	4027.92	
		C.D. 8	9.7765	70	1208	43377.6	4337.76	
		C.D. 9	11.173	80	1213	49574.4	4957.44	
		<b>Total</b>	<b>84.497</b>	<b>605</b>		<b>374906</b>	37490.6	
Lahurimau Kasimpur (Bagriya)	2C4C1e3a	CB1	6.5175	300	71	28934.1	2893.41	
		CB2	6.5175	300	65,70	28934.1	2893.41	
		CB3	7.821	360	69	34720.9	3472.09	
		CB4	7.6037	350	122,117	33756.5	3375.65	
		CB5	4.9967	230	167,168	22182.8	2218.28	
		<b>Total</b>	<b>33.456</b>	<b>1540</b>		<b>148528</b>	14852.8	
		SB1	18.947	450	111,161,162	84131.5	8413.15	
		SB2	14.316	340	74,123,172	63566	6356.6	
		<b>Total</b>	<b>33.263</b>	<b>790</b>		<b>147697</b>	14769.7	
		M.B. 1	10.796	175	158	47933.2	4793.32	
		P.B. 1	18.507	300	78,137,138	47933.2	4793.32	
		P.B. 2	21.592	350	131,160	82171.2	8217.12	
		<b>Total</b>	<b>50.895</b>	<b>825</b>		<b>178038</b>	17803.8	
		C.D. 1	5.5866	40	73,75	24787.2	2478.72	
		C.D. 2	5.5866	40	141	24787.2	2478.72	
		C.D. 3	6.9832	50	66	30984	3098.4	
		C.D. 4	8.3799	60	144	37180.8	3718.08	
		C.D. 5	6.9832	50	144	30984	3098.4	
		C.D. 6	8.3799	60	157	37180.8	3718.08	
		C.D. 7	8.3799	60	135	37180.8	3718.08	
		<b>Total</b>	<b>50.279</b>	<b>360</b>		<b>223085</b>	22308.5	
Lahurimau Kasimpur (Sidhoul)	2C4C1e3a	CB1	5.4312	250	394	24111.8	2411.18	
		CB2	7.6037	350	401	33756.5	3375.65	
		CB3	6.083	280	410,412,413,415	27005.2	2700.52	
		CB4	6.7347	310	494,489	29898.6	2989.86	
		CB5	7.6037	350	495,487	33756.5	3375.65	
		<b>Total</b>	<b>33.456</b>	<b>1540</b>		<b>148528</b>	14852.8	
		SB1	18.105	430	544,501	80392.3	8039.23	

		SB2	15.158	360	449	67305.2	6730.52	
		<b>Total</b>	<b>33.263</b>	<b>790</b>		<b>147697</b>	14769.7	
		M.B. 1	12.338	200	502,	54780.8	5478.08	
		M.B. 2	21.592	350	464	54780.8	5478.08	
		<b>Total</b>	<b>33.93</b>	<b>550</b>		<b>109562</b>	10956.2	
		C.D. 1	8.3799	60	450	37180.8	3718.08	
		C.D. 2	8.3799	60	431	37180.8	3718.08	
		<b>Total</b>	<b>16.76</b>	<b>120</b>		<b>74361.6</b>	7436.16	
Lahurimau Kasimpur (Sirsa)	2C4C1e3a	CB1	7.3865	340	498,493,488	32792	3279.2	
		CB2	9.3417	430	488	41472.2	4147.22	
		<b>Total</b>	<b>16.728</b>	<b>770</b>		<b>74264.2</b>	7426.42	
		SB1	8.4211	200	531	37391.8	3739.18	
		<b>Total</b>	<b>8.4211</b>	<b>200</b>		<b>37391.8</b>	3739.18	
		M.B. 1	16.965	275	554	75323.6	7532.36	
		<b>Total</b>	<b>16.965</b>	<b>275</b>		<b>75323.6</b>	7532.36	
		C.D. 1	4.1899	30	557,	18590.4	1859.04	
		C.D. 2	4.1899	30	560	18590.4	1859.04	
		<b>Total</b>	<b>8.3799</b>	<b>60</b>		<b>37180.8</b>	<b>3718.08</b>	

## BENEFICIARIES WISE DETAILS OF DEVELOPMENTAL ACTIVITIES

Details of Proposed / Planned W/S Development Activities.

MWS & Code – 2C4C1e3a

**Plan Estimate – Lahurimau Kasimpur**

Gram Panchayat/ Village name	MWS Code	Structure Code	Benefited area (Ha)	Length M.	Field No. /Khasara No.	Total Cost (Rs.)	Contribution SC/ST, Small marginal- 5, other- 10%	Remark (C.S.)
Sirsa	2C4C1d1f	CB1	16.772	772	151,299	74457.1	7445.71	
		CB2	6.3654	293	150,149	28259	2825.9	
		CB3	7.4299	342	136	32984.9	3298.49	
		CB4	8.4945	391	156,157	37710.8	3771.08	

		CB5	4.8664	224	281,283	21604.1	2160.41	
		CB6	13.057	601	286,159	57964.6	5796.46	
		CB7	19.661	905	138,125	87284.5	8728.45	
		CB8	6.8216	314	182	30284.4	3028.44	
		CB9	8.0165	369	174,175,177	35588.9	3558.89	
		CB10	11.275	519	166,169,170,172	50056	5005.6	
		CB11	8.5814	395	261,266,265	38096.6	3809.66	
		CB12	6.322	291	353,352	28066.1	2806.61	
		CB13	7.2561	334	293	32213.3	3221.33	
		CB14	10.08	464	167	44751.4	4475.14	
		CB15	15.012	691	188	66644.9	6664.49	
		CB16	6.8434	315	28	30380.8	3038.08	
		CB17	11.666	537	29	51792	5179.2	
		CB18	11.036	508	194	48995.1	4899.51	
		<b>Total</b>	<b>179.56</b>	<b>8265</b>		<b>797134</b>	79713.4	
		SB1	16.463	391	111,110,199	73100.9	7310.09	
		SB2	19.958	474	202,199	88618.5	8861.85	
		SB3	17.811	423	260,205	79083.6	7908.36	
		SB4	37.895	900		168263	16826.3	
		SB5	11.537	274	209	51226.7	5122.67	
		SB6	27.537	654	214	122271	12227.1	
		SB7	27.537	654	249	122271	12227.1	
		SB8	9.8526	234	213	43748.4	4374.84	
		<b>Total</b>	<b>168.59</b>	<b>4004</b>		<b>748583</b>	74858.3	
		M.B. 1	51.326	832	249	227888	22788.8	
		M.B. 2	35.657	578	230,228,220	227888	22788.8	
		M.B. 3	30.598	496	365,	158317	15831.7	
		M.B. 4	23.381	379	50,51	135856	13585.6	
		M.B. 5	18.939	307	96,	103810	10381	
		M.B. 6	14.189	230	56	84088.5	8408.85	
		M.B. 7	15.052	244	368,374	66832.6	6683.26	
		M.B. 8	19.556	317	383,385	66832.6	6683.26	
		M.B. 9	22.455	364	422,399	86827.6	8682.76	
		M.B. 10	21.715	352	429,428	99701.1	9970.11	

		M.B. 11	16.903	274	423,427	75049.7	7504.97	
		M.B. 12	21.221	344	415,412,416	75049.7	7504.97	
		M.B. 13	14.497	235	430	94223	9422.3	
		M.B. 14	32.326	524	426,435,438	64367.4	6436.74	
		M.B. 15	14.065	228	409,418	143526	14352.6	
		<b>Total</b>	<b>351.88</b>	<b>5704</b>		<b>1710257</b>	171025.7	
		C.D. 1	8.3799	60	449	37180.8	3718.08	
		C.D. 2	5.5866	40	462	24787.2	2478.72	
		C.D. 3	6.9832	50	463	30984	3098.4	
		C.D. 4	5.5866	40	472	24787.2	2478.72	
		C.D. 5	6.9832	50	443	30984	3098.4	
		C.D. 6	5.5866	40	466	24787.2	2478.72	
		C.D. 7	8.3799	60	538	37180.8	3718.08	
		C.D. 8	6.9832	50	470	30984	3098.4	
		C.D. 9	6.9832	50	88	30984	3098.4	
		C.D. 10	8.3799	60	73	37180.8	3718.08	
		C.D. 11	5.5866	40	76	24787.2	2478.72	
		C.D. 12	8.3799	60	77	37180.8	3718.08	
		C.D. 13	5.5866	40	73	24787.2	2478.72	
		C.D. 14	6.9832	50	76	30984	3098.4	
		C.D. 15	5.5866	40	93	24787.2	2478.72	
		C.D. 16	6.9832	50	93	30984	3098.4	
		C.D. 17	9.7765	70	59	43377.6	4337.76	
		C.D. 18	8.3799	60	66	37180.8	3718.08	
		C.D. 19	11.173	80	47	49574.4	4957.44	
		C.D. 20	6.9832	50	73	30984	3098.4	
		C.D. 21	6.9832	50	71	30984	3098.4	
		<b>Total</b>	<b>152.23</b>	<b>1090</b>		<b>675451</b>	67545.1	
Sirsa	2C4C1d1f	CB1	10.862	500	310,311	48223.5	4822.35	
(Padri		CB2	7.6906	354	318,319	34142.2	3414.22	
Gangadee)		CB3	10.319	475	346 to 351	45812.3	4581.23	
		CB4	4.2146	194	317 to 318	18710.7	1871.07	
		<b>Total</b>	<b>33.087</b>	<b>1523</b>		<b>146889</b>	14688.9	
		SB1	22.484	534	325,324	99836	9983.6	

		SB2	15.495	368	322,323	68800.8	6880.08
		SB3	9.3474	222	352,353	41504.9	4150.49
		<b>Total</b>	<b>47.326</b>	<b>1124</b>		<b>210142</b>	21014.2
		M.B. 1	26.712	433	328,329	118600	11860
		M.B. 2	12.338	200	338 to 342	118600	11860
		M.B. 3	17.767	288	362	54780.8	5478.08
		<b>Total</b>	<b>56.817</b>	<b>921</b>		<b>291982</b>	29198.2
Sirsa (Bandh)	2C4C1d1f	CB1	8.0382	370	224,225,232	35685.4	3568.54
		CB2	7.3213	337	156,158	32502.6	3250.26
		CB3	8.5162	392	118,119	37807.2	3780.72
		<b>Total</b>	<b>23.876</b>	<b>1099</b>		<b>105995</b>	10599.5
		SB1	16.842	400	237,239	74783.5	7478.35
		<b>Total</b>	<b>16.842</b>	<b>400</b>		<b>74783.5</b>	7478.35
Sirsa (Baripal)	2C4C1d1f	SB1	8.5895	204	728,709	38139.6	3813.96
		SB2	10.442	248	1549	46365.8	4636.58
		<b>Total</b>	<b>19.032</b>	<b>452</b>		<b>84505.4</b>	8450.54
		P.B. 1	18.877	306	1572	123805	12380.5
		<b>Total</b>	<b>18.877</b>	<b>306</b>		<b>83814.6</b>	8381.46
Sirsa (Kandouli)	2C4C1d1f	CB1	9.798	451	469,471,475,472	43497.6	4349.76
		<b>Total</b>	<b>9.798</b>	<b>451</b>		<b>43497.6</b>	4349.76
		SB1	13.432	319	473,474,452	59639.9	5963.99
		<b>Total</b>	<b>13.432</b>	<b>319</b>		<b>59639.9</b>	5963.99
		M.B. 1	11.166	181	505	49576.6	4957.66
		<b>Total</b>	<b>11.166</b>	<b>181</b>		<b>49576.6</b>	4957.66
Sirsa (Dharchuwa)	2C4C1d1f	CB1	5.6702	261	37	25172.7	2517.27
		CB2	6.9085	318	40,39	30670.1	3067.01
		CB3	12.101	557	56,57	53721	5372.1
		CB4	7.0172	323	88,81	31152.4	3115.24
		CB5	5.9744	275	76,84	26522.9	2652.29
		CB6	8.69	400	75,76,77	38578.8	3857.88
		CB7	14.773	680	61,50	65584	6558.4
		CB8	12.253	564	63,	54396.1	5439.61
		CB9	6.6913	308	102	29705.7	2970.57
		CB10	6.0395	278	64	26812.3	2681.23

		CB11	8.8203	406	64,66	39157.5	3915.75	
		<b>Total</b>	<b>94.938</b>	<b>4370</b>		<b>421473</b>	42147.3	
		SB1	23.789	565	75,100,99	105632	10563.2	
		SB2	27.116	644	66,68	120401	12040.1	
		SB3	12.084	287	105	53657.2	5365.72	
		SB4	15.579	370	107,140	69174.8	6917.48	
		SB5	12.926	307	116	57396.4	5739.64	
		SB6	5.8526	139	115	25987.3	2598.73	
		<b>Total</b>	<b>97.347</b>	<b>2312</b>		<b>432249</b>	43224.9	
		M.B. 1	19.494	316	70	86553.7	8655.37	
		M.B. 2	38.988	632	73	86553.7	8655.37	
		M.B. 3	21.16	343	26	173107	17310.7	
		M.B. 4	17.088	277	45	93949.1	9394.91	
		M.B. 5	19.988	324	26	75871.4	7587.14	
		M.B. 6	15.484	251	44	88744.9	8874.49	
		<b>Total</b>	<b>132.2</b>	<b>2143</b>		<b>604780</b>	60478	
		C.D. 1	6.9832	50	128	30984	3098.4	
		C.D. 2	8.3799	60	134,136	37180.8	3718.08	
		C.D. 3	6.9832	50		30984	3098.4	
		C.D. 4	8.3799	60	111,128	37180.8	3718.08	
		C.D. 5	6.9832	50	3	30984	3098.4	
		C.D. 6	6.9832	50	3	30984	3098.4	
		C.D. 7	8.3799	60	5	37180.8	3718.08	
		C.D. 8	8.3799	60	6	37180.8	3718.08	
		C.D. 9	8.3799	60	32	37180.8	3718.08	
		C.D. 10	8.3799	60	21,32	37180.8	3718.08	
		C.D. 11	8.3799	60	18	37180.8	3718.08	
		C.D. 12	8.3799	60	16	37180.8	3718.08	
		C.D. 13	8.3799	60	11	37180.8	3718.08	
		C.D. 14	9.7765	70	12	43377.6	4337.76	
		C.D. 15	8.3799	60	12	37180.8	3718.08	
		C.D. 16	5.5866	40	11	24787.2	2478.72	
		<b>Total</b>	<b>127.09</b>	<b>910</b>		<b>563909</b>	56390.9	
Sirsa	2C4C1d1f	CB1	6.5392	301	1	29030.5	2903.05	

(Sidhoul)		CB2	7.6037	350	3,5,6	33756.5	3375.65	
		CB3	7.4517	343	7,19	33081.3	3308.13	
		CB4	5.6268	259	375,372	24979.8	2497.98	
		CB5	5.9309	273	379,381	26330	2633	
		CB6	4.6709	215	381	20736.1	2073.61	
		<b>Total</b>	<b>37.823</b>	<b>1741</b>		<b>167914</b>	16791.4	
		SB1	18.653	443	369,370,380	82822.7	8282.27	
		SB2	13.474	320	9,	59826.8	5982.68	
		SB3	13.979	332	24	62070.3	6207.03	
		SB4	8.2526	196	363	36643.9	3664.39	
		<b>Total</b>	<b>54.358</b>	<b>1291</b>		<b>241364</b>	24136.4	
		M.B. 1	22.085	358	361,360	98057.6	9805.76	
		M.B. 2	11.166	181	360	98057.6	9805.76	
		M.B. 3	21.283	345	357,356	49576.6	4957.66	
		M.B. 4	23.627	383	385,387,388	94496.9	9449.69	
		<b>Total</b>	<b>78.162</b>	<b>1267</b>		<b>340189</b>	34018.9	
		C.D. 1	8.3799	60	351,	37180.8	3718.08	
		C.D. 2	8.3799	60	399	37180.8	3718.08	
		<b>Total</b>	<b>16.76</b>	<b>120</b>		<b>74361.6</b>	7436.16	



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

### Detail Pattern of DPR Making Staff

S.No.	Name	Designation	Affiliation
1	Sri Bachche Lal	BSA	P.I.A., Ghatampur at Kanpur nagar
2	Sri Gyan prakash Yadava	Jr. Engineer	P.I.A., Ghatampur at Kanpur nagar
3	Sri Rakesh kumar shrivastava	Jr. Engineer	P.I.A., Ghatampur at Kanpur nagar
4	Sri dinesh Chandra shukla	Drafft Man	P.I.A., Ghatampur at Kanpur nagar
5	Sri prahlad singh niranjan	ASCI	P.I.A., Ghatampur at Kanpur nagar
6	Sri Vedprakash verma	ASCI	P.I.A., Ghatampur at Kanpur nagar
7	Sri Manish singh	ASCI	P.I.A., Ghatampur at Kanpur nagar
8	Sri Rajnish kumar	ASCI	P.I.A., Ghatampur at Kanpur nagar
9	Ku. Upasna singh	ASCI	P.I.A., Ghatampur at Kanpur nagar
10	Sri Pramod kumar dubey	Work Incharge	P.I.A., Ghatampur at Kanpur nagar
11	Sri Shivnath singh chandel	Work Incharge	P.I.A., Ghatampur at Kanpur nagar
12	Sri Dinesh Chandra patel	Work Incharge	P.I.A., Ghatampur at Kanpur nagar
13	Sri Govindkant Tripathi	Work Incharge	P.I.A., Ghatampur at Kanpur nagar
14	Sri Devendra Singh	Work Incharge	P.I.A., Ghatampur at Kanpur nagar
15	Sri Ramadhar	Work Incharge	P.I.A., Ghatampur at Kanpur nagar
16	Sri Pannalal diwakar	Work Incharge	P.I.A., Ghatampur at Kanpur nagar
17	Sri Agnu prasad	Member of WDT (Agriculture)	P.I.A., Ghatampur at Kanpur nagar
18	Sri Arvind Kumar	Member of WDT (Water Management)	P.I.A., Ghatampur at Kanpur nagar
19	Smt. Sheela katiyar	Member of WDT (Social Mobilizing)	P.I.A., Ghatampur at Kanpur nagar
20	Smt. Snehlata	Member of WDT (Social Mobilizing)	P.I.A., Ghatampur at Kanpur nagar
21	Sri Rakesh tiwari	Member of WDT	P.I.A., Ghatampur at Kanpur nagar
22	Sri Shubham sachan	Computer Operator	P.I.A., Ghatampur at Kanpur nagar
23	Mr. C.L.Paul	CEO, Advanced Geotech (Pvt) Ltd	P.I.A., Ghatampur at Kanpur nagar