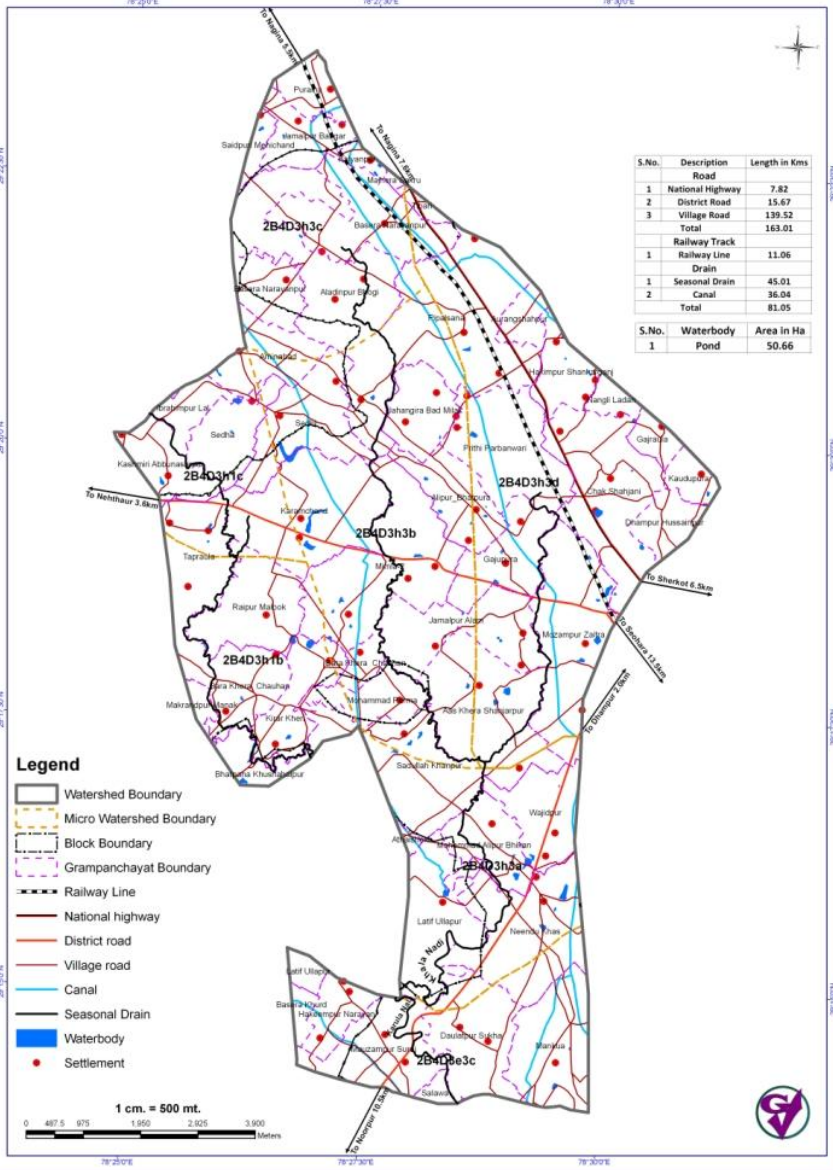


DPR OF DHAMPUR WATERSHED (IWMP-V), DISTRICT BIJNOR

BASE MAP OF IWMP- V (YEAR 2011-12), DISTRICT - BIJNOR



Prepared by:

**State Institute of
Rural Development
(SIRD), Lucknow,
U.P.**

2011-2012

**Detailed Project Report DPR of Dhampur Watershed, Bijnor District,
Uttar Pradesh**

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FOREWORD

The declining per capita land and fresh water availability coupled with soil erosion and land degradation in India are posing serious threat to environmental, food, social and economic security. Land and water go together and their development cannot be considered independent of each other for sustainability of rainfed areas. Conservation and management of rainwater holds key for sustainable agriculture in rainfed areas. It has also been amply demonstrated in India and elsewhere that it is impossible to envisage or implement sustainable solutions for land and water resource development and management without active and full participation of local community. Development of land and water together with sustainable production system when confined to small natural drainage unit such as watershed leads to sustainable development. Watershed Management (WSM) has, therefore, emerged as a new paradigm for planning, development and management of land, water and biomass resources with a focus on social and institutional aspects apart from bio-physical aspects following a participatory "bottom-up" approach. A large number of projects for productivity enhancement are being implemented on the watershed approach.

Soil and water conservation including micro-scale water resource development is the foundation of any watershed development programme supported by number of other protection, production and livelihood support interventions. This is so, because water is the most crucial input and acts as a catalyst to bring in ecological, social and economical revolution. Sustainable production depends considerably upon proper development, conservation, management and use of watershed resources at micro-level. Watershed management becomes increasingly important as a system approach to improve livelihood of people while conserving and regenerating their natural resources. The role and Importance of community participation in ensuring the success and satiability of watershed management is now widely accepted.

Two-thirds of the country's agriculture is rainfed. Only one-third of the 142 m ha of cultivated in India is irrigated. The green revolution in the irrigated areas, induced by modern agricultural technologies, by-and large by-passed the rainfed regions. Agriculture in these regions is characterized by low levels of productivity and low input usage; food grain yields in rainfed areas are half those in irrigated regions. Dependence of rainfall makes crop production considerably instable in rainfed areas, which are home to the bulk of the rural poor. The Government of India has accorded highest priority to the holistic and sustainable developed of rainfed areas through the integrated watershed development approach. The key attributes of the watershed approach are conservation of the rain water and optimization of soil and water resources in a sustainable and cost effective mode. Improved moisture management increases the productivity of improved seeds and fertilizers, so conservation and productivity enhancing measures become complementary. Under rainfed conditions choice of technologies are going to vary from location to location due to high degree of complexity and diversity in situations. This applies to the technologies for development of natural resources as well as for enhancement of productivity of different commodities in agriculture and allied sectors. While carrying out participatory planning exercises, the watershed development team (WDT) may orient community members about different scientific and indigenous technological options available with them through IEC and training courses etc. and leave the final choice to them. Keeping these things in mind, the DPR of Bijnor IWMP-V watershed has been prepared.

MESSAGE

Deen Dayal Upadhaya, State Institute of Rural Development, Uttar Pradesh has been commissioned by State Level Nodal Agency, IWMP to prepare proposed DPRs for 55 identified watershed in the State. Integrated Watershed Management Programme (IWMP); a centrally sponsored programme is aimed towards sustainable regeneration of ecological balance and suitable agricultural and allied production interventions by properly managing and harvesting rain water and thereby increasing production and productivity, providing equitable opportunities and economic upliftment to all section of society in project area. The cost of project is estimated at Rs. 12000.00 per ha. The project will be implemented on watershed basis having an area of about 5000 ha in duration of 5-7 years. There are various components of the project to achieve the set objectives. It is pertinent that a detailed project report (DPR) has been prepared with all the details of plan, design, cost, execution and arrangement for management and evaluation.

Deen Dayal Upadhaya, State Institute of Rural Development, Uttar Pradesh has prepared this DPR after comprehensive grand study and survey and using available scientific data. I am sure the DPR, if implemented as per the designed interventions, will not only restore ecological balance but will be of immense help for the farmers and agricultural sector to improve their quality of life.

I wish all success to all concern specially those who earn the livelihood from agriculture and allied activities.

Sri. N. S. Ravi (IAS)
Director General

ACKNOWLEDGEMENT

We would first like to extend our thanks to the Chief Executive Officer (CEO) of State Level Nodal Agency (SLNA), IWMP for awarding the assignment of preparation of detailed project report (DPR) of 55 watersheds to DDU SIRD, Lucknow. We extend our heartiest gratitude to Sri N.S. Ravi, I.A.S., Director General, DDU SIRD, Lucknow for assigning the assignment to us and providing all necessary logistic support. We are thankful Sri K. P. Tripathi, former Principal Scientist, Soil & Water Conservation Engg., ICAR-IISWC (formerly known as CSWCRTC), Dehradun for their valuable suggestions and guidance during the process of DPR preparation.

We are very grateful to Dr. Ashok Kumar, Assistant Director, Soil Conservation and Water Management; Sri S. G. Sahoo and Sri R K Srivastav Senior Instructor Agricultural Engineering for helping in the process of DPR preparation. We are thankful to all the farmers of the watershed who cooperated during the PRA/data collection and gave their valuable suggestions.

Dr. Vardani
Additional Director

Executive summary

Executive Summary of DPR of Dhampur Watershed, Bijnor District, Uttar Pradesh

The Dhampur watershed having a geographical area of 9266.59 ha. is situated in the district of Bijnor (UP). It has been designated as IWMP-V watershed which has seven microwatersheds (code: 2B4D3h3c, 2B4D3h3b, 2B4D3h3d, 2B4D3h3a, 2B4D3e3c, 2B4D3h1b, 2B4D3h1c). It includes 84 villages of 45 village panchayats.

The total geographical area of Dhampur watershed is 9266.59 ha. About 87% area of the watershed is under cultivation, 1% area comes under community land; rest left over area comes under Forest land, orchards, industries and other uses.

The Topography of Bijnor district is mainly a plain. The district has a pleasing climate with cool and foggy winter and generally hot and humid summer. The wet session starts from July to October during which the district receives rainfall. The temperature of the district is varies from 48C in summer and 3C in winter. The elevation varies from about 111 meter (min.) amsl to 120 meter (max.) amsl in the extreme south east, on the banks of the Ganga.

River Ganga separates Bijnor district and is the main river of the district. Next comes the East Ramganga River. The other rivers of the district are Khoh, Ban, Gangan, Karula, Malin, Ekra, Chhoiya, Pili, Dhara, Panili and Phika.

About 61% people in the watershed are literate. 68% male and 52% female are literate. In comparison, females are less educated in number than males. Mass education should be spread by establishing more primary and secondary schools. It must be made both compulsory and free for the females and the males as well, so to improve the economic condition of the watershed. The economic condition of the people is not very encouraging as about 93% family of the watershed is landless, hence their livelihood depends upon the occasional employment they get in agriculture sector or they migrate to the nearby city for day to day labour work, agriculture should be modernized, to get more benefit and profit in the agricultural sector. Females of the watershed help in farm operations and cut bamboo wood from the forest. They also keep cows, buffaloes and poultry. They also keep kitchen gardens, collect tendu patta, make ropes and do carpentry. It is the womens make purchases from the market and decide on the finances involved in the marriages of their children. Thus the women have the dominating role in the district. The womens are keen observers of festivals and like to visit fairs. Both men and women smoke and drink on a large scale. In their leisure time, they get together in small groups and discuss village affairs and casual scandals. The status of women in general is atrocious in the watershed. They are the largest labour force inside and outside the family.

There is the manufacturing of cane & bamboo product like furniture etc. Various cottage and small-scale industries in the district are dependent on the supply of different kinds of cane and reeds. Cane is also found in abundance almost throughout the state. There are a few more varieties of bamboo and cane used for manufacturing of different products. A kind of muli bamboo locally known as 'muli bazail' is used for making

umbrella handles. Two other varieties of bamboo locally known as 'Mrithinga' and 'Bethua' and different varieties of canes locally known as 'sundi', 'barjali', 'harua', 'golla' etc. are required for making furniture and baskets. Various types of cane and bamboo products are found in this state. The people of the plains and hills districts of Bijnor have their own bamboo and cane products with distinctive features and typical designs. The products of the plain districts differ from that of the hill districts in use, shape and design.

About 25% of people are schedule cast and only few (less than 0.10%) belong to schedule tribe. About 7% families are below poverty line. More than 60% family still use fire wood for cooking the meal and only less than 6% use LPG. About 81% families of the watershed are land less. There are 549 craftsman, 373 tailors and 652 artisans in the watershed. People of the watershed migrate to the city and other areas for search of work mostly as unskilled/semi-skilled and skilled work. On an average people migrate for 6 months a year. Cutting and tailoring are having vast potentialities for rural people of the watershed the city of Bijnor are famous for its Aonla (a citrus food) production.

The crop productivity is low due to low organic matter in the soil. Chemical fertilizers are given to the crop without soil analysis thus, creating imbalance in the soil nutrients. FYM and organic fertilizer are not in practice due to absence of sufficient raw material as the soil is light to medium in texture.

Total cost of the project works out to be Rs. 13.13 crores. Out of this Rs. 4.59 crores is proposed to be met from convergence under MGNREGA and Rs. 6.69 lakhs Horticulture Dept. (NHM) etc. The amount of Rs. 7 crores will be met out from IWMP. The benefit: cost ratio is estimated at 1.31:1. About Rs 1.46 crores is expected to be collected from farmers as their contribution for watershed development fund.

Chapter 1: Introduction and Background

1.1 Background of IWMP

National Rainfed Area Authority (NRAA) framed common guidelines (2008) for watershed programmes to all ministries/departments. The provisions in the common guidelines and the observations of the Parthasarthy committee have necessitated modifications in the watershed schemes of the Department of Land Resources. Accordingly, Drought Prone Areas Programme (DPAP), Desert Development Programme (DDP) and Integrated Wastelands Development Programme (IWDP) of the Department of Land Resources have been integrated and consolidated into a single modified programme called Integrated Watershed Management Programme (IWMP). This guideline was further amended in 2011. This consolidation is for optimum use of resources, sustainable outcomes and integrated planning.

1.2 Vision

The watershed management programme in the country has been conceptualized as rainwater management program in the rain fed areas of the country, which constitutes roughly 60% of the total net cultivated land of about 144 mha of the country. It is observed that though the rainfed land is about 60% of the total cultivated land of the country but its contribution to the total food production of the country is less than 40%. As the monsoon in India is unpredictable and drought and floods are observed at peioridical interval hence, rainwater management is considered as focal point to the solution of the problem of uncertainty of rainfall under rainfed condition. The Indo-Gangetic plain of the country has numerous perennial rivers but still rainfall is the main source of irrigation and domestic need of the people. Presently exploitation of groundwater has been at faster rate thnn its recharge. Therefore rainwater management does not only aims to create surface irrigation potential but also aims to augment groundwater. Under such vision the IWMP has been designed.

1.3 State of Uttar Pradesh

Uttar Pradesh is situated in northern part of India. Its geographical area is about 243290 sq km. It accounts for 6.88 percent of total geographical area of the country. The population of the state is about 200 million as per census of 2011, which accountes for 16.49 percent of the total population of India. This is most populous state of India and ranks fifth in population. The highest density of population is also found in this region. On account of highest density of population, the per capita availability of land is very low in comparison to other states. The state is divided into 4 divisions, namely Western (30 districts), Eastern (28 districts), Central (10 districts) and Bundelkhand (7 districts). At present state have 75 districts, 327 tehsils, 822 blocks and 107452 revenue villages. The state is also dividend into 9 agro climatic zones, 1.Tarai Region; 2.Western Plain Region; 3.Central Western Region; 4. South Western Region; 5.Central Plain Region; 6.Bundelkhand Region; 7.North Eastern Plain Region; 8.Eastern Plain Region and 9 Vindhychal Region. The flood and drought are common phenomena of this region.

The state has more than 32 large and small rivers, of them, the Ganges, Yamuna, Sarayu, Betwa and Ghaghara are larger rivers of the state. Lucknow is the capital of Uttar Pradesh. Agricultural and services industries are most important activities of the state economy. About 68.54 percent land of the total geographical area of the state is under cultivation (2012-13). The percentage of net area sown in Uttar Pradesh has been decreasing continuously due to fast expansion of industrialization and urbanization in the state.

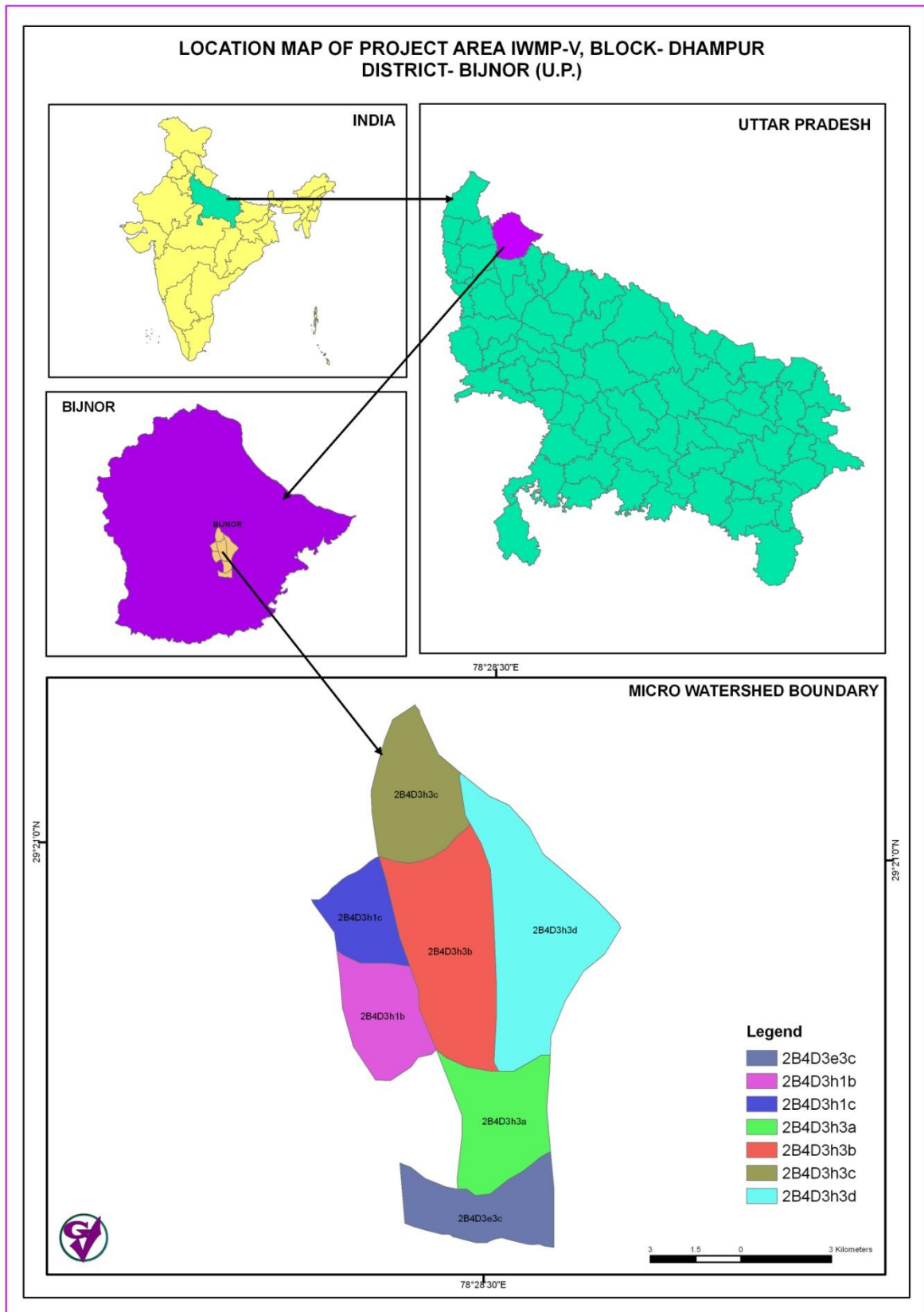
1.4 Bijnor District

Bijnaur, occupies the north-west corner of the Moradabad Division (historically, Rohilkhand or Bareilly region), and is a roughly triangular stretch of country with its apex to the north. The western boundary is formed throughout by the deep stream of the river Ganges, beyond which lie the four districts of Dehradun, Saharanpur, Muzaffarnagar and Meerut, all belonging to the Meerut Division. The district of Bijnor forms the north-western part of the Meerut Division. Legendary history ascribes its foundation to Raja Ben (also spelt Bin or Bain) and described as Vena, a minor hero king of Northern India, in the Mahabharata and the Puranas. This monarch never realised any tax from his subjects. He raised a part of the revenue by the sale of bijana (fans) manufactured by himself, because of whom the place obtained its present name, Bijnor (Bijnaur). More probably, the word is a corruption of Bijanagar (town of fans) or Vijayanagar (town of victory). Its maximum length from north to south is about 102 km. and from east to west about 90 km. To the north and north-east in the hill country of Garhwal, the dividing line being the submontane road, which runs from Haridwar along the foot of the Himalayas to Ramanagar, Haldwani and Tanakpur. This road, popularly known as the Kandi Saradk, belongs throughout its length to Garhwal, the transfer having taken place a few years since. On the east the Phika river for the greater part of its course constitutes the boundary, separating this district from Naini Tal and Moradabad, as far as its junction with the Ramganga; and to the south lie the Thakurdwara, Amroha, and Hasanpur tahsils of Moradabad, the boundary being conventional and undetermined by natural features.

1.5 Dhampur watershed

The Dhampur watershed having a geographical area of 9266.59 ha. is situated in the district of Bijnor (UP). It has been designated as IWMP-V watershed which has seven microwatersheds (code: 2B4D3h3c, 2B4D3h3b, 2B4D3h3d, 2B4D3h3a, 2B4D3e3c, 2B4D3h1b, 2B4D3h1c). It includes 84 villages of 45 village panchayats. The location of the watershed is depicted in **Fig 1**.

Fig.1. Location map of Dhampur watershed



Chapter 2: Objectives and Project Implementing Agency (PIA)

2.1 Major objectives

Sl. No.	Objectives
1	The main objectives of the IWMP are to restore the ecological balance by harnessing, conserving and developing degraded natural resources such as soil, vegetative cover and water.
2	Prevention of soil, run-off; rain water harvesting and recharging of the ground water table.
3	Regeneration of natural vegetation
4	Introduction of multi-cropping and diverse agro-based activities, which help to provide sustainable livelihoods to the people residing in the watershed area.
5	Promote development of cost effective and proven technologies to support watershed management

2.2 Project Implementing Agency (PIA)

Name of the PIA organization	Bhoomi Sanrakshan Adhikari, Land Development and Water Resource,	
Postal address of the PIA organization		
Name of the head of the PIA organization	Bhoomi Sanrakshan Adhikari,	
Name of the Principal Investigator (PI) i.e. Leader of the IWMP project identified by the PIA		
Designation of PI	Soil Conservation Officer	
Mobile no & e-mail of the PI		
Names of the Watershed Development Team (WDT) with their educational qualification and mobile number	Sl. No.	Name, qualification and mobile number
	1	Sri. Jaipal Singh
	2	Sri. Avneesh Kumar
	3	Sri. Kranti Prasad
Names and designation of members of Watershed Cell and Data Centre (WCDC)	1	
	2	
	3	
	4	
Year of commencement of the project	2011-12	
Year of completion of the project	2016-17	
Budget of the project (in Lakh)	700.56	

Chapter 3: Present scenario of the watershed

3.1 General Profile of the watershed

Sl. No.	Parameter	Information/ value
1	Name of State	Uttar Pradesh
2	Name of District	Bijnaur
3	Name of the Tehsil	
4	Name of Block	Dhampur, Aaku
5	Name of post office with pincode	
6	Watershed details	IWMP- V
i	Name of Watershed	Basera Narayan, Dhakka Karamchandra, Aladipur Bhatpura, Needdu Khas, Daulatpur Sukhkha, Raipur Mulak, Kashmiri Abbu Naseerpur
ii	Code of Watershed	2B4D3h3c,2B4D3h3b, 2B4D3h3d,2B4D3h3a, 2B4D3e3c,2B4D3h1b,2B4D3h1c
iii	Location of watershed	
iv	Agro Ecological Region	
v	Agro Climatic Zone	Bhabar & Tarai Zone
vi	Geographical area of the watershed (ha)	9266.59
7	Major drainage system	Ganga River
8	Stream order of the watershed	
9	Highest elevation on the topo-sheet (m)	
10	Lowest elevation on the topo-sheet (m)	
11	Elevation difference (m)	
12	Length-Width ratio of the watershed	
a	Latitude	
b	Longitude	
13	Boundaries (N, S, E, W)	
14	No. of Villages in the Project area.	84
15	No. Villages Panchayats in the Project area.	49
16	Area	Fill the table 1
i	Total geographical area of the watershed (ha)	9266.59
ii	Treatable land (ha)	5838
iii	Arable land (ha)	8056.62
a	Single cropped area (ha)	
b	Double cropped area (ha)	
iv	Grass land/Pasture land (ha)	
v	Social forest/Community forest (ha)	
vi	Area under fruit trees (ha)	
vi	Area under miscellaneous use (ha)	
17	Infrastructure/amenities	
i	Distance of metalled road from village/watershed (km)	
ii	Distance of nearest railway station (km)	3 km
iii	Distance of nearest market (km)	2 km
iv	Distance of Taluka/Tehsil/block (km)	8 km
v	Distance of district headquarter (km)	

vi	Distance of nearest school	
a	Primary (km)	3 km
b	Senior (km)	5 km
c	College (km)	6 km
vii	Distance of nearest P.H.C. (km)	5 km
viii	Distance of nearest Veterinary Hospital (km)	4 km
ix	Distance of nearest post office (km)	3 km
x	Distance of nearest bank (km)	1 km
xi	Distance of nearest ration shop (km)	0.5 km
xii	Distance of nearest police station (km)	3 km
xiii	Distance of nearest panchayat bhawan (km)	5 km
xiv	Distance of nearest Community/ recreation centre (km)	6 km
xv	Electricity	Average
a	Source of domestic water supply	No
b	Treated water through tap	Yes
c	Untreated water through tap	No
d	Shallow dug up well	Yes
xvi	Hand pump	Yes
xvii	Any other (please specify)	No
a	Source of irrigation	
b	Canal	Yes
c	Tube well	Yes
d	Open well	Yes
e	Open dug up ponds	No
xxiii	Any other (please specify)	No
a	Types of cattle	
b	Buffalo	Yes
c	Bullock	Yes
d	Cows	Yes
e	Goats	Yes
xix	Sheep	Yes
a	Pig	Yes
b	Horse	Yes
c	Poultry	No
d	Others (Please specify)	No
e	Source of water for cattle	
f	Hand pump through manger	No
g	Open well through manger	Yes
h	Open dug up pond	Yes
i	Trough	Yes

3.2 Village wise landuse of the watershed

Sl. No	Villages			Micro-Watershed			Area details				
	Name of Village	Area (ha)	Name of Gram Panchayat	Name	Code	Area (ha)	Agricultural Land (hac)	Agricultural Plantation (hac)	Scrub Land (hac)	waterbody (hac)	Other (hac)
1	Basera Khurd	30.50	Basera Khurd	Mankua	2B4D3e3c	911.41	30.50	-	-	-	-
2	Daulatpur Sukha	28.03	Daulatpur Sukha				28.00	-	-	0.03	-
3	Shekhpur Piththa	107.22	Daulatpur Sukha				104.21	-	-	-	3.02
4	Hakeempur Narayan	96.33	Hakeempur Narayan				90.66	-	-	-	5.67
5	Kotra Tappa Kesho	0.22	Latif Ullapur				0.22	-	-	-	-
6	Latif Ullapur	33.20	Latif Ullapur				31.05	-	2.15	-	-
7	Ajitpurdasi	70.59	Mankua				69.44	-	-	1.15	-
8	Mankua	189.61	Mankua				168.88	-	4.84	2.17	13.72
9	Mauzampur Suraj	134.73	Mauzampur Suraj				127.41	-	-	-	7.32
10	Safar Shikoh Pur	16.41	Mauzampur Suraj				16.41	-	-	-	-
11	Sarak Thal Madho	93.22	Mauzampur Suraj				88.87	-	-	-	4.34
12	Neendu Khas	88.41	Neendu Khas				87.10	-	0.63	0.68	-
13	Salawa	22.94	Salawa				22.94	-	-	-	-
	Total	911.41					865.69	-	7.62	4.04	34.06
14	Arazi Gopal Jot	68.22	Bara Khera Chauhan	Raipur Malook	2B4D3h1b	875.43	66.45	-	-	0.29	1.48
15	Bara Khera Chauhan	91.50	Bara Khera Chauhan				88.21	-	-	0.01	3.28
16	Bhatpana Khushahalpur	74.11	Bhatpana Khushahalpur				67.48	-	-	2.20	4.43
17	Aladinpur Kirat	11.77	Karamchand				11.77	-	-	-	-
18	Kand Kheri	81.00	Kirar Kheri				77.04	-	-	1.21	2.75
19	Kirar Kheri	70.84	Kirar Kheri				65.01	-	-	1.89	3.95
20	Kalali	8.95	Makrandpur Manak				8.95	-	-	-	-
21	Makrandpur Manak	17.93	Makrandpur Manak				17.93	-	-	-	-
22	Mimla	33.31	Mimla-2				33.23	-	-	0.08	-
23	Mohammad Parma	26.01	Mohammad Parma				26.01	-	-	-	-

Sl. No	Villages			Micro-Watershed			Area details				
	Name of Village	Area (ha)	Name of Gram Panchayat	Name	Code	Area (ha)	Agricultural Land (hac)	Agricultural Plantation (hac)	Scrub Land (hac)	waterbody (hac)	Other (hac)
24	Raipur Malook	222.30	Raipur Malook				207.50	-	2.46	1.64	10.70
25	Sadullah Khanpur	44.39	Sadullah Khanpur				44.39	-	-	-	-
26	Jillupur	14.84	Tapraula				14.84	-	-	-	-
27	Malakpur	67.27	Tapraula				67.27	-	-	-	-
28	Tapraula	42.99	Tapraula				42.53	-	-	0.47	-
	Total	875.43								838.60	-
29	Munimpur	41.57	Aminabad	Sedha	2B4D3h1c	603.48	28.23	-	-	-	13.34
30	Ibrahimpur Lal	83.53	Ibrahimpur Lal				78.61	-	-	0.57	4.35
31	Aladinpur Kirat	75.77	Karamchand				74.84	-	-	-	0.94
32	Karamchand	49.80	Karamchand				47.73	-	0.12	-	1.95
33	Bhara Kheril Dugri	60.48	Kashmiri Abbunasarpur				45.55	-	5.22	0.67	9.04
34	Kashmiri Abbunasarpur	4.88	Kashmiri Abbunasarpur				4.88	-	-	-	-
35	Mamurpur Gazi	20.04	Kashmiri Abbunasarpur				19.80	-	-	0.01	0.24
36	Raipur Malihabad	43.19	Kashmiri Abbunasarpur				41.23	-	-	-	1.96
37	Raipur Malook	9.76	Raipur Malook				9.76	-	-	-	-
38	Sedha	135.66	Sedha				125.09	-	0.25	0.83	9.50
39	Sedhi	45.50	Sedhi				45.50	-	-	-	-
40	Bhara Kherimma	22.08	Tapraula				19.97	-	0.00	0.56	1.55
41	Hadipur	11.22	Tapraula				11.19	-	-	0.03	-
	Total	603.48								552.37	-
42	Aas Khera Shanjarpur	38.29	Aas Khera Shanjarpur	Neendu Khas	2B4D3h3a	1165.43	38.29	-	-	-	-
43	Athaishekh	10.72	Athaishekh				10.72	-	-	-	-
44	Moh Ali Pur Mukta	39.98	Daulatpur Sukha				39.98	-	-	-	-
45	Kotra Tappa Kesho	249.87	Latif Ullapur				246.46	-	-	1.09	2.32
46	Sarak Thal Madho	0.76	Mauzampur Suraj				0.76	-	-	-	-
47	Mohammad Alipur	162.81	Mohammad Alipur				150.14	-	-	2.21	10.46

Sl. No	Villages			Micro-Watershed			Area details				
	Name of Village	Area (ha)	Name of Gram Panchayat	Name	Code	Area (ha)	Agricultural Land (hac)	Agricultural Plantation (hac)	Scrub Land (hac)	waterbody (hac)	Other (hac)
	Bhikan		Bhikan								
48	Khai kheda	18.76	Mozampur Zaitra				18.62	-	-	0.15	-
49	Chaknindru	7.44	Neendu Khas				6.29	-	-	-	1.15
50	Neendu Khas	271.12	Neendu Khas				227.77	-	-	4.94	38.41
51	Sadullah Khanpur	34.72	Sadullah Khanpur				31.87	-	-	0.46	2.39
52	Sahabpur	129.58	Sadullah Khanpur				129.58	-	-	-	-
53	Shahjadpur Taru	22.49	Sadullah Khanpur				22.49	-	-	-	-
54	Mohammad Pur Biru	48.92	Wajidpur				43.79	-	-	1.65	3.48
55	Wajidpur	129.99	Wajidpur				117.15	-	-	1.45	11.38
	Total	1,165.43					1,083.89	-	-	11.96	69.59
56	Aas Khera Shanjarpur	145.35	Aas Khera Shanjarpur	Hara Ahmad Pur Jalal	2B4D3h3b	1761.93	140.64	-	-	0.58	4.13
57	Aladinpur Bhogi	133.26	Aladinpur Bhogi				130.26	-	-	0.46	2.54
58	Alipur_Bhatpura	53.01	Alipur_Bhatpura				51.19	-	-	0.61	1.20
59	Kasampur Bhatpura	68.85	Alipur_Bhatpura				68.44	-	-	0.41	-
60	Munimpur	42.07	Aminabad				39.71	-	-	-	2.37
61	Mohammad Purlal	45.49	Bara Khera Chauhan				43.71	-	-	-	1.78
62	Gajupura	36.19	Gajupura				35.60	-	0.16	0.02	0.41
63	Ibrahimpur Lal	1.53	Ibrahimpur Lal				1.53	-	-	-	-
64	Jahangira Bad Milak	145.21	Jahangira Bad Milak				135.00	-	-	0.19	10.02
65	Bamwali	9.58	Jamalpur Alam				9.58	-	-	-	-
66	Jamalpur Alam	71.73	Jamalpur Alam				67.09	-	-	0.46	4.17
67	Aladinpur Kirat	26.22	Karamchand				20.66	-	-	1.67	3.89
68	Kirar Kheri	14.48	Kirar Kheri				10.65	-	-	0.10	3.74
69	Hara Ahmad Pur Jalal	231.85	Mimla-2				222.32	-	1.02	0.69	7.82
70	Mimla	176.79	Mimla-2				166.89	-	-	1.43	8.47
71	Mohammad Parma	93.37	Mohammad Parma	83.89	-	-	-	9.47			

Sl. No	Villages			Micro-Watershed			Area details				
	Name of Village	Area (ha)	Name of Gram Panchayat	Name	Code	Area (ha)	Agricultural Land (hac)	Agricultural Plantation (hac)	Scrub Land (hac)	waterbody (hac)	Other (hac)
72	Burhan Nagar	3.60	Pipalsana				3.60	-	-	-	-
73	Pipalsana	128.82	Pipalsana				127.49	-	0.92	-	0.42
74	Prithi Parbanwari	9.09	Prithi Parbanwari				4.37	-	-	-	4.72
75	Sahanpur Navada	25.24	Prithi Parbanwari				21.07	-	-	0.07	4.10
76	Raghunathpur	20.49	Sadullah Khanpur				17.77	-	-	0.51	2.21
77	Sadullah Khanpur	31.70	Sadullah Khanpur				24.39	-	-	0.13	7.17
78	Sahabpur	2.66	Sadullah Khanpur				2.66	-	-	-	-
79	Shahjadpur Taru	28.65	Sadullah Khanpur				24.09	-	-	0.48	4.08
80	Sedha	14.57	Sedha				13.96	-	-	-	0.61
81	Sedhi	202.14	Sedhi				189.26	-	1.30	3.00	8.58
	Total	1,761.93								1,655.81	-
82	Aladinpur Bhogi	195.83	Aladinpur Bhogi	Aladinpur Bhogi	2B4D3h3c	913.35	181.49	-	-	-	14.34
83	Baseda Udar	80.04	Aladinpur Bhogi				73.00	-	2.41	0.29	4.34
84	Munimpur	68.39	Aminabad				68.27	-	-	-	0.12
85	Baseda Khemchand	77.56	Basera Narayanpur				72.16	-	-	-	5.40
86	Basera Narayanpur	98.50	Basera Narayanpur				91.01	-	0.00	-	7.49
87	Hakimpur Chandan	77.10	Basera Narayanpur				73.24	-	-	-	3.86
88	Nanglasari	68.49	Basera Narayanpur				65.55	-	-	-	2.94
89	Jamalpur Bangar	72.05	Jamalpur Bangar				66.61	-	-	0.19	5.25
90	Kalyanpur	26.58	Kalyanpur				18.27	-	-	0.94	7.37
91	Burhan Nagar	21.65	Pipalsana				21.65	-	-	-	-
92	Pipalsana	1.33	Pipalsana				1.33	-	-	-	-
93	Abdul Malakpur	42.70	Purainy				37.14	-	4.65	-	0.91
94	Maharatpur Kala	41.62	Purainy				27.58	-	3.48	0.28	10.28
95	Hakikatpur_Govind	33.95	Saidpuri Mehichand				32.29	-	0.09	0.33	1.25
96	Saidpuri Mehichand	2.41	Saidpuri Mehichand				0.86	-	0.94	0.16	0.45
97	Sedhi	2.94	Sedhi				2.94	-	-	-	-
98	Tibari	2.20	Tibari				2.20	-	-	-	-
	Total	913.35								835.59	-

Sl. No	Villages			Micro-Watershed			Area details				
	Name of Village	Area (ha)	Name of Gram Panchayat	Name	Code	Area (ha)	Agricultural Land (hac)	Agricultural Plantation (hac)	Scrub Land (hac)	waterbody (hac)	Other (hac)
99	Aas Khera Shanjarpur	193.79	Aas Khera Shanjarpur	Pipalsana	2B4D3h3d	2142.16	175.89	-	-	1.99	15.91
100	Alipur_Bhatpura	43.61	Alipur_Bhatpura				36.29	-	-	0.53	6.79
101	Aurangshahpur	62.81	Aurangshahpur				56.46	-	1.57	-	4.78
102	Hakimpur Chandan	49.41	Basera Narayanpur				47.48	-	-	-	1.93
103	Chak Shahjani	24.60	Chak Shahjani				18.53	-	-	-	6.07
104	Manpur Rajja	77.94	Chak Shahjani				69.37	-	-	1.64	6.93
105	Rosanpur Raju	79.33	Chak Shahjani				78.01	-	0.58	0.13	0.62
106	Shekhpur Bhawra	114.23	Chak Shahjani				109.43	-	-	0.32	4.48
107	Dhampur Hussainpur	59.37	Dhampur Hussainpur				56.46	-	0.72	-	2.19
108	Machmar	9.12	Dhampur Hussainpur				9.12	-	-	-	-
109	Nawada	23.67	Dhampur Hussainpur				23.67	-	-	-	-
110	Tarkolimadan	51.00	Gajraula				49.33	-	-	-	1.67
111	Gajupura	62.20	Gajupura				53.85	-	0.73	0.63	6.98
112	Rasulpur Imma	41.12	Gajupura				36.50	-	0.98	0.35	3.30
113	Hakimpur Shankarganj Urf Madhaura	65.82	Hakimpur Shankarganj				54.78	-	2.92	0.42	7.70
114	Muhamadpur Sulatan	50.14	Hakimpur Shankarganj				47.30	-	-	0.31	2.53
115	Bamwali	124.74	Jamalpur Alam				119.09	-	0.10	0.40	5.15
116	Khai kheda	38.22	Mozampur Zaitra				37.54	-	-	0.68	-
117	Mozampur Zaitra	184.77	Mozampur Zaitra				135.40	-	8.13	3.08	38.15
118	Nagla Gunga	128.85	Mozampur Zaitra				107.41	-	6.15	2.08	13.22
119	Nangli Ladan	41.75	Nangli Ladan				39.98	-	-	0.00	1.77
120	Burhan Nagar	104.51	Pipalsana				96.17	-	-	-	8.34
121	Pipalsana	222.10	Pipalsana	191.28	-	7.94	0.70	22.17			
122	Hakimpur Jassu	109.04	Prithi Parbanwari	106.15	-	-	0.93	1.96			

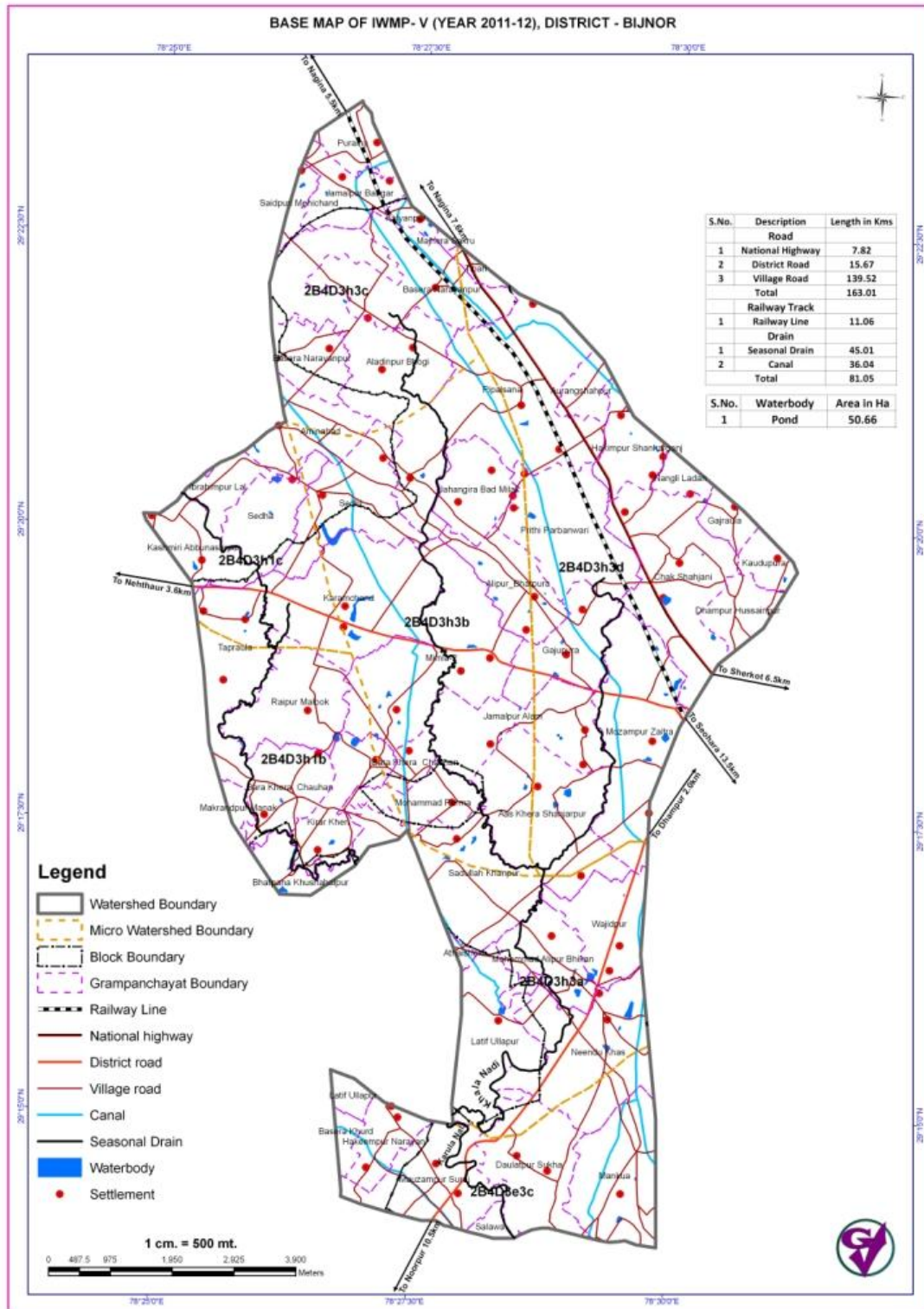
Sl. No	Villages			Micro-Watershed			Area details				
	Name of Village	Area (ha)	Name of Gram Panchayat	Name	Code	Area (ha)	Agricultural Land (hac)	Agricultural Plantation (hac)	Scrub Land (hac)	waterbody (hac)	Other (hac)
123	Nawada Shahpur	39.51	Prithi Parbanwari				38.46	-	-	-	1.06
124	Prithi Parbanwari	48.94	Prithi Parbanwari				45.45	-	-	0.62	2.87
125	Sahanpur Navada	69.69	Prithi Parbanwari				66.77	-	-	2.49	0.43
126	Sahabpur	1.38	Sadullah Khanpur				1.38	-	-	-	-
127	Tibari	20.49	Tibari				20.38	-	-	-	0.11
	Total	2,142.16					1,927.94	-	29.82	17.30	167.10
	Grand Total	8,373.20					7,759.89	-	60.46	56.74	496.11

3.3 Watershed maps

Various watershed maps viz. base map, slope map, drainage map, land capability class map, land use map etc required for planning of suitable soil and water conservation measures are given below:

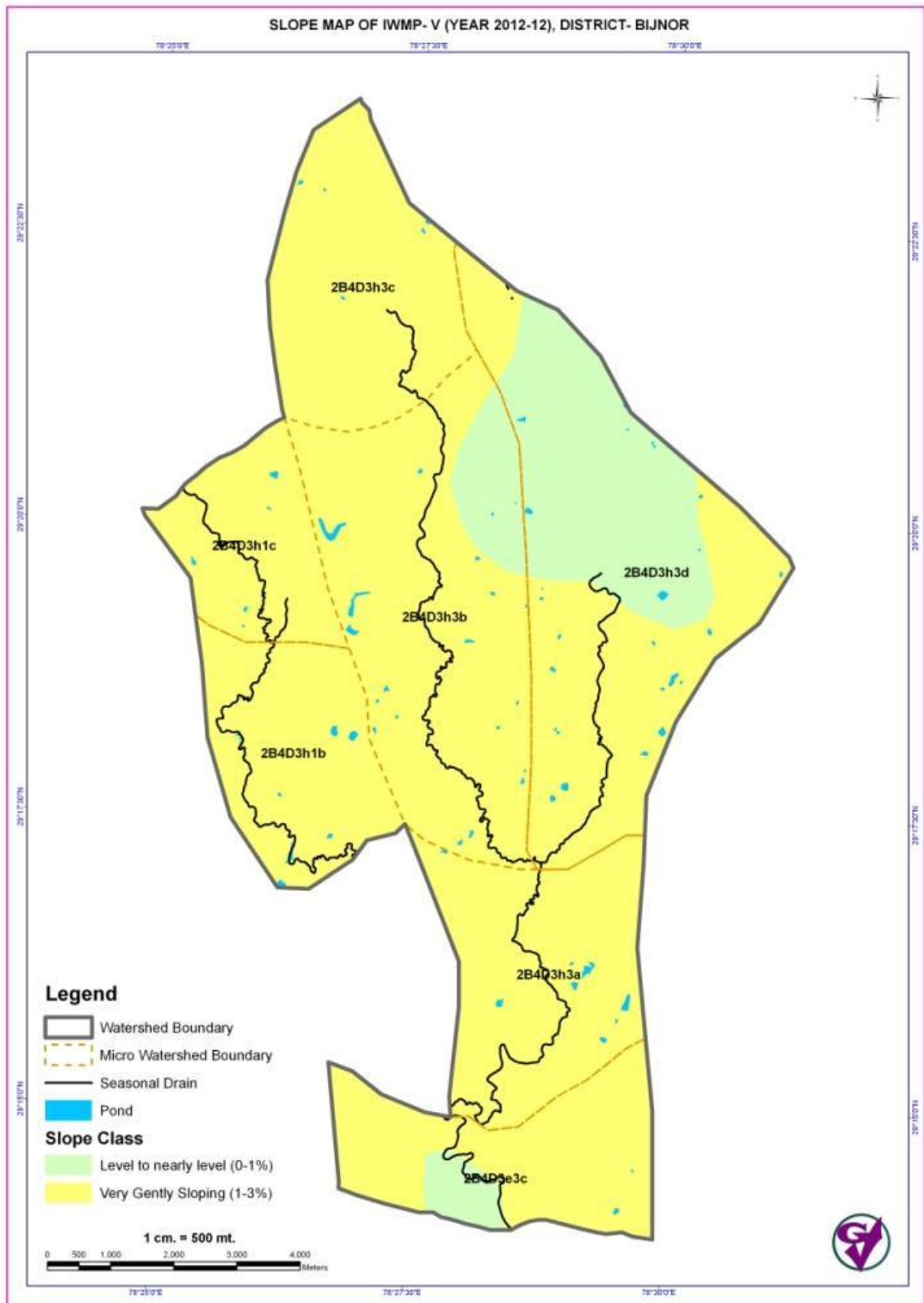
3.3.1 Base Map

The Base map of Dhampur watershed is given below:



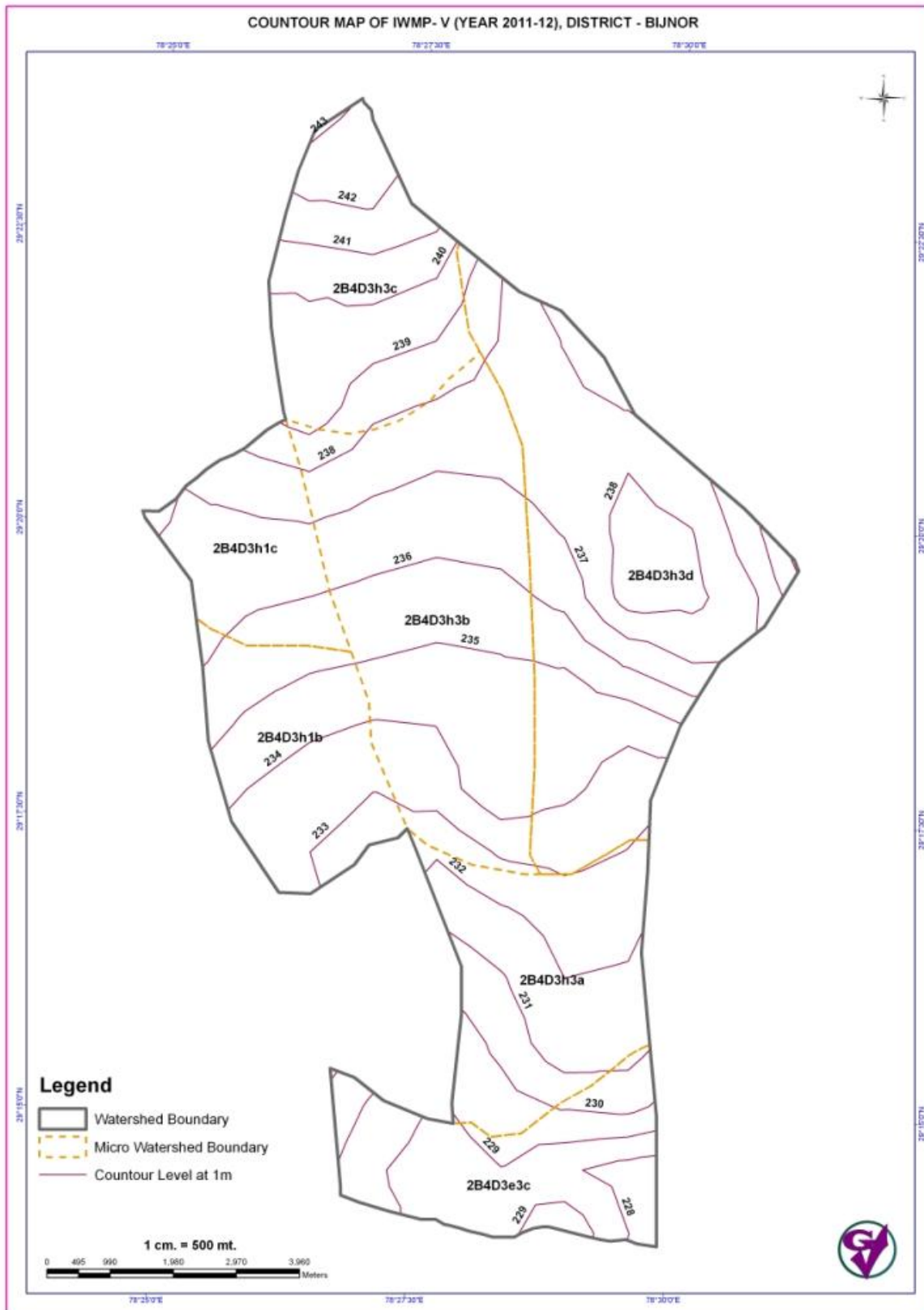
3.3.2 Slope Map

The slope map of the watershed is given below. It is observed that general land slope of the watershed is 1-3%.



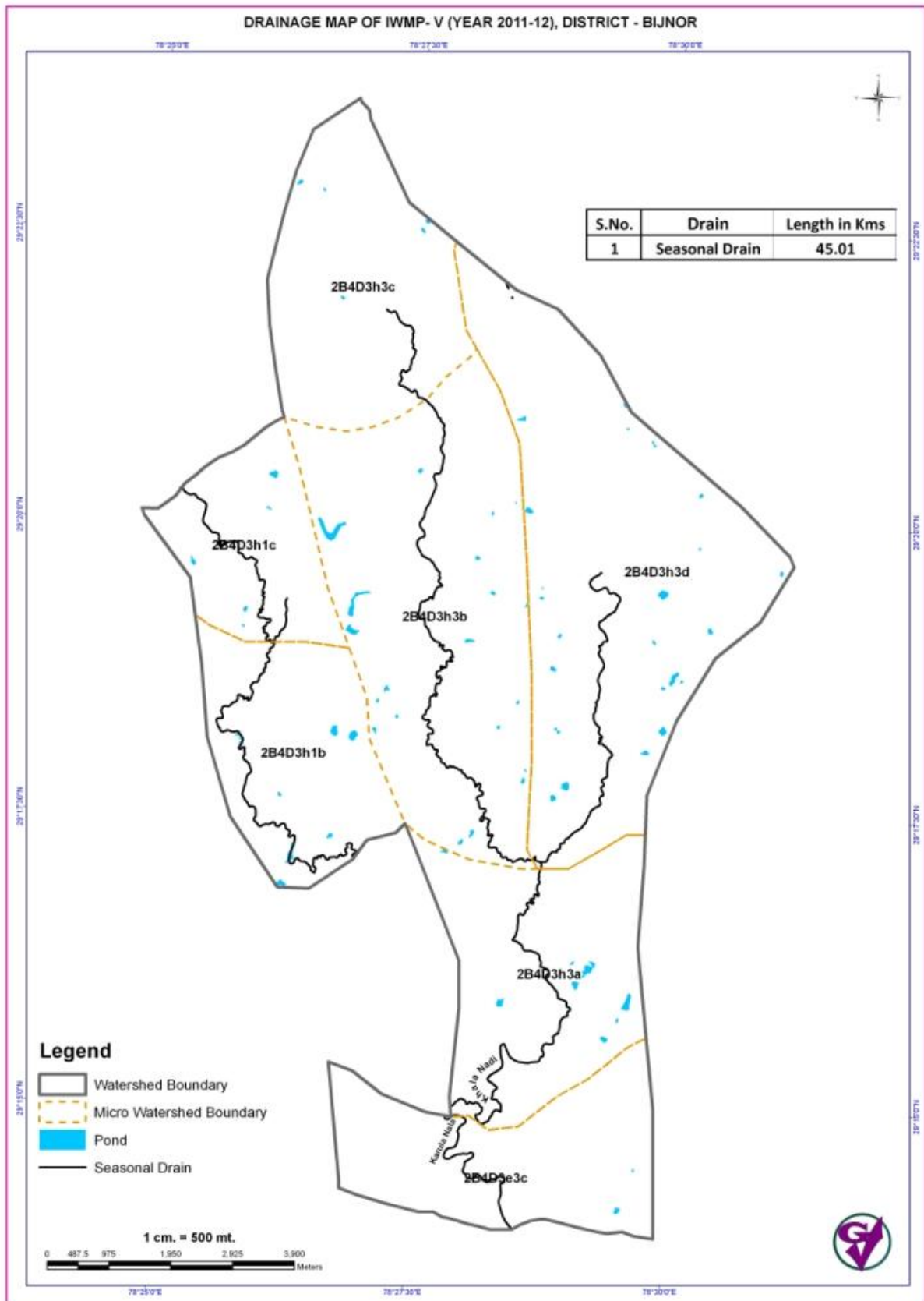
3.3.3 Contour Map

The lowest elevation of the watershed is 111 m amsl and the highest elevation is 120 m amsl. The runoff water of the watershed drains in to River Gomti.



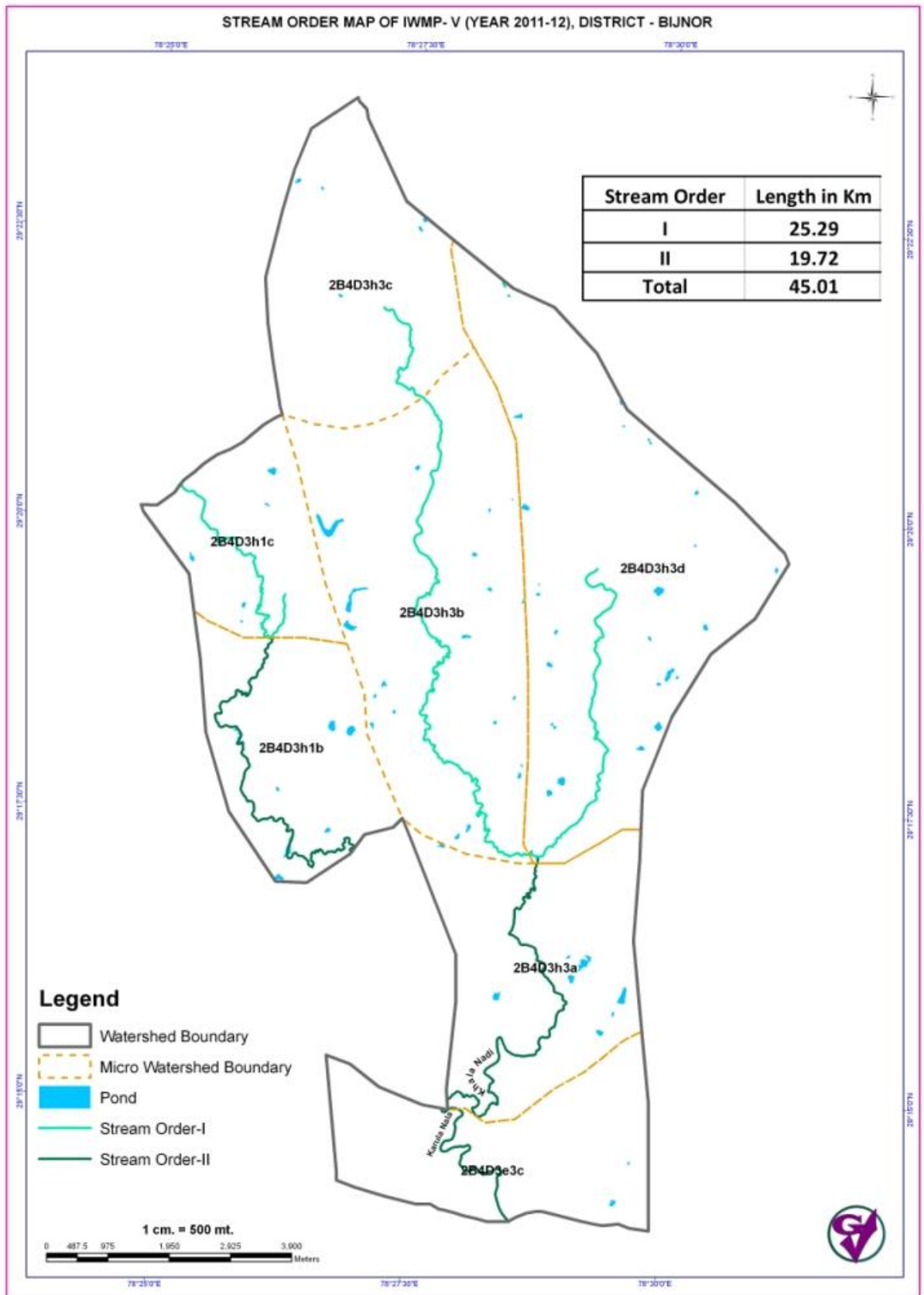
3.3.4 Drainage Map

The Dhampur watershed is Ist order watershed. The total length of seasonal stream is 45.01 km.



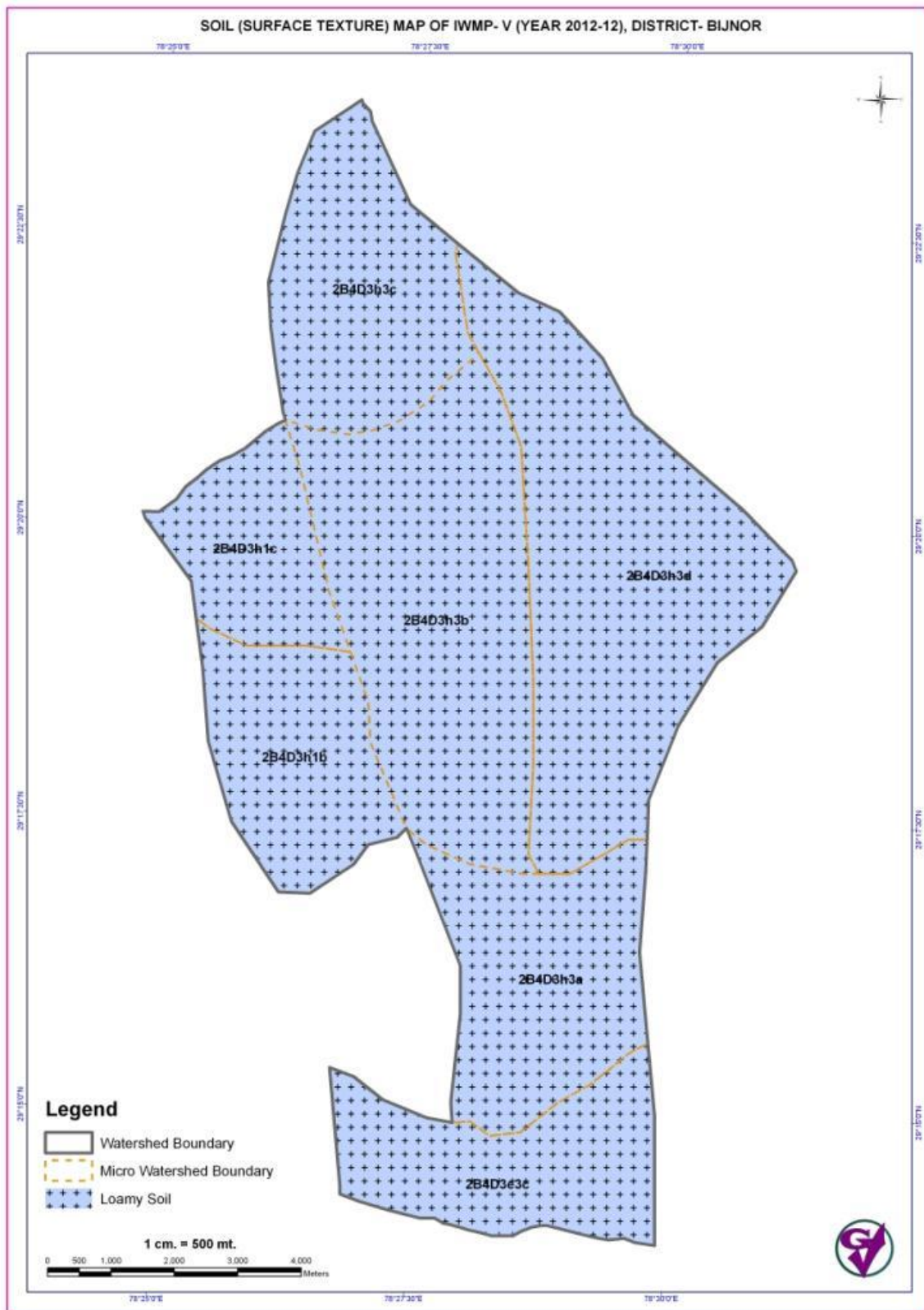
3.3.5 Stream order map

The Dhampur watershed is IST order stream watershed. The stream order map of the watershed is given below:



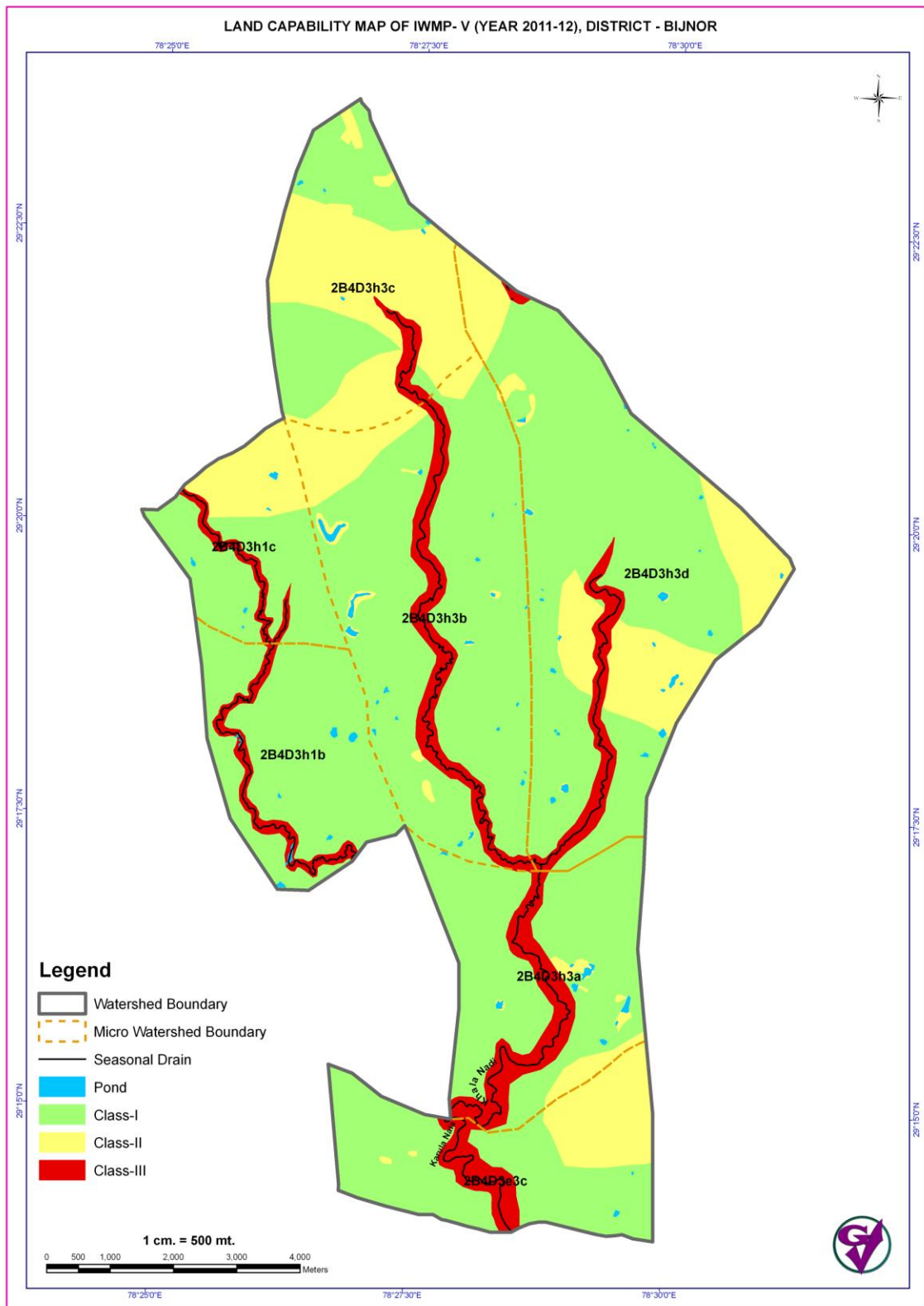
3.3.6 Soil map

The soil map is given below. The soils are light to medium in texture. Soils of the watershed are loamy and silty.



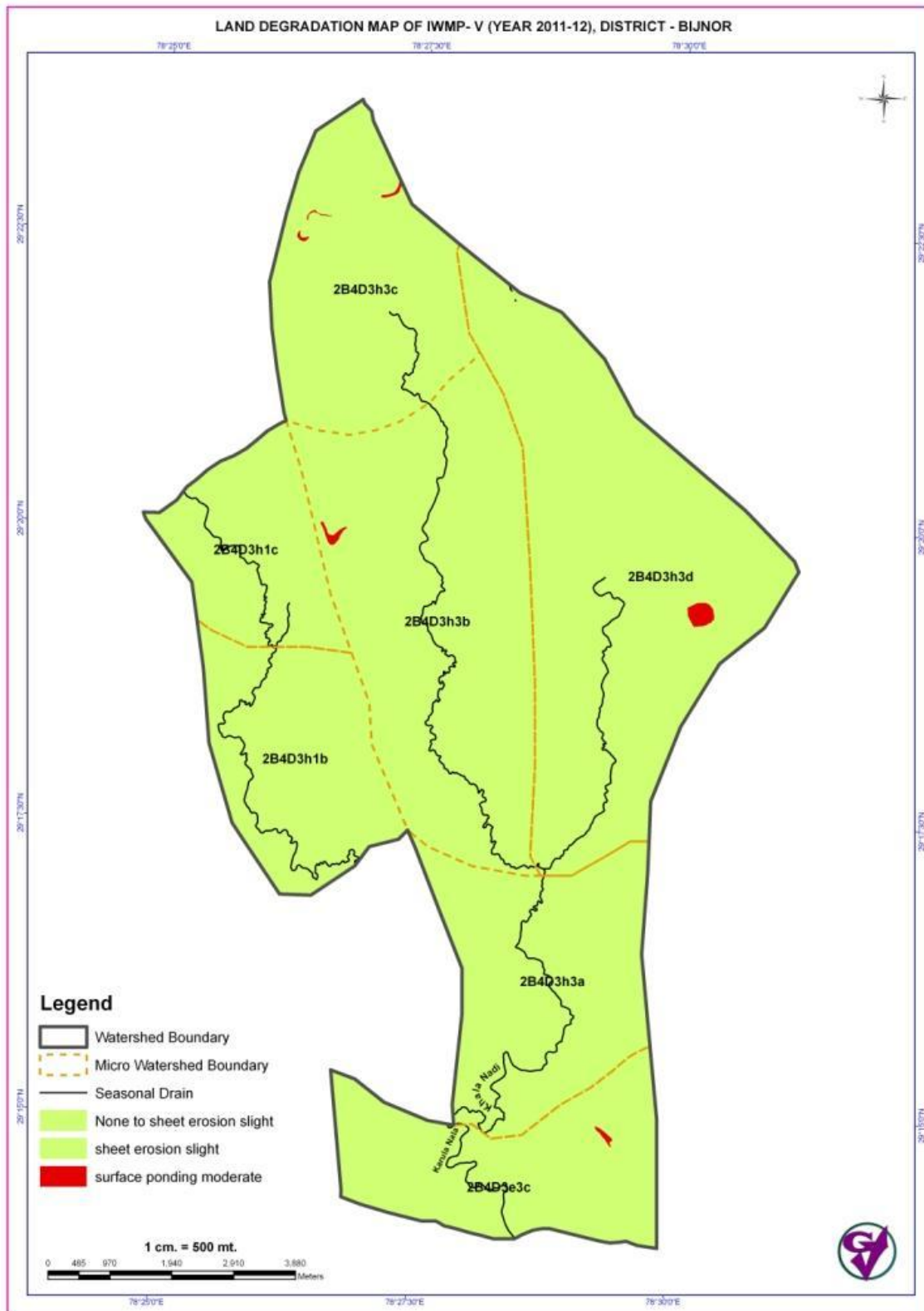
3.7 Land Capability Class

The class I land occupies about 8232.45 ha of watershed area followed by 161.11 ha under class II land, and about 873.29 ha under class IV. The land capability class map and Panchayat wise land under various classes is given below:



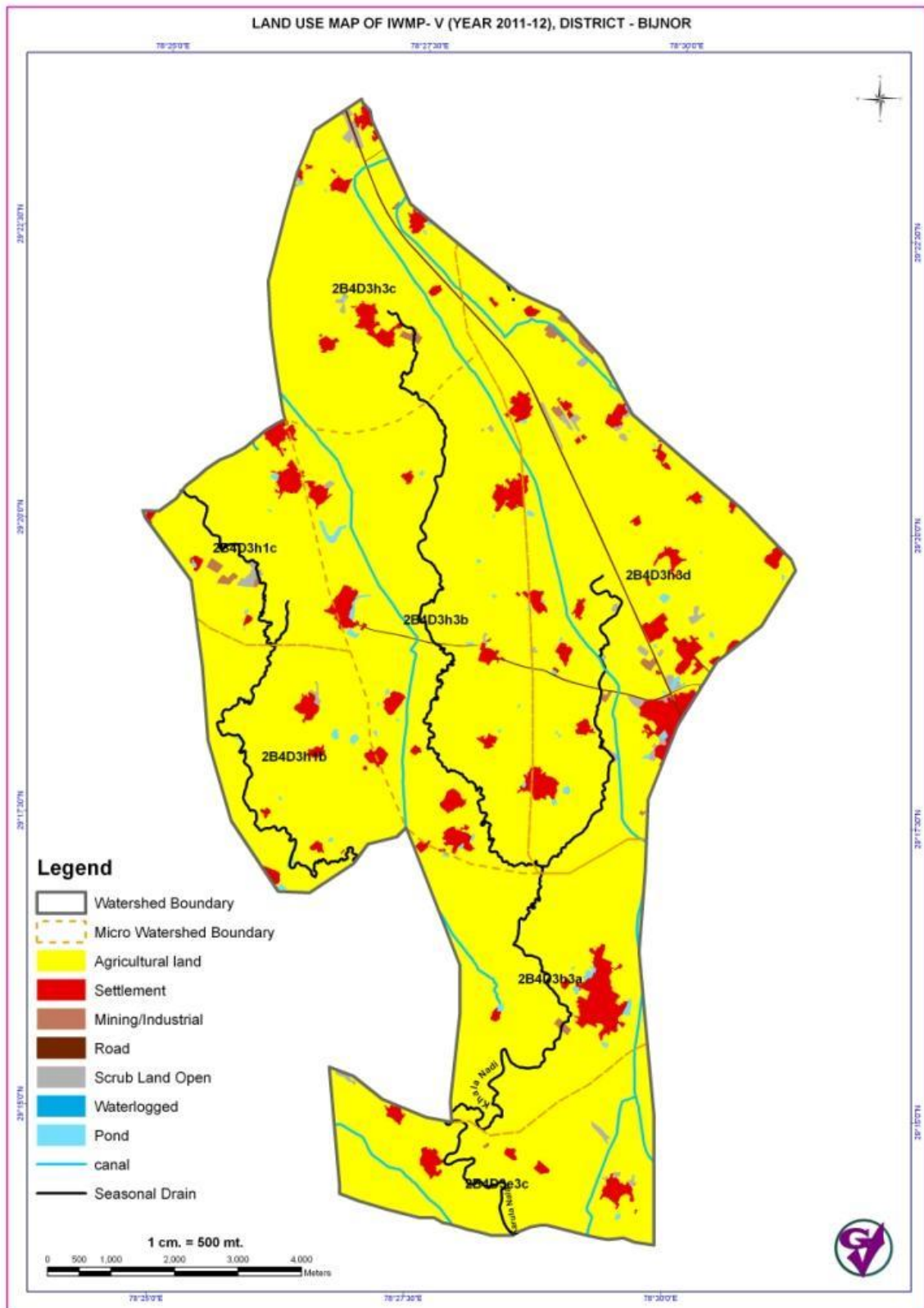
3.3.8 Land degradation

The soil erosion in the cultivated land is not a serious problem in the watershed at about 9241.11 ha area is subjected to E_1 erosion. The E_4 erosion is observed in about 25.74 ha area which is along the streams. The soil degradation map is given below:



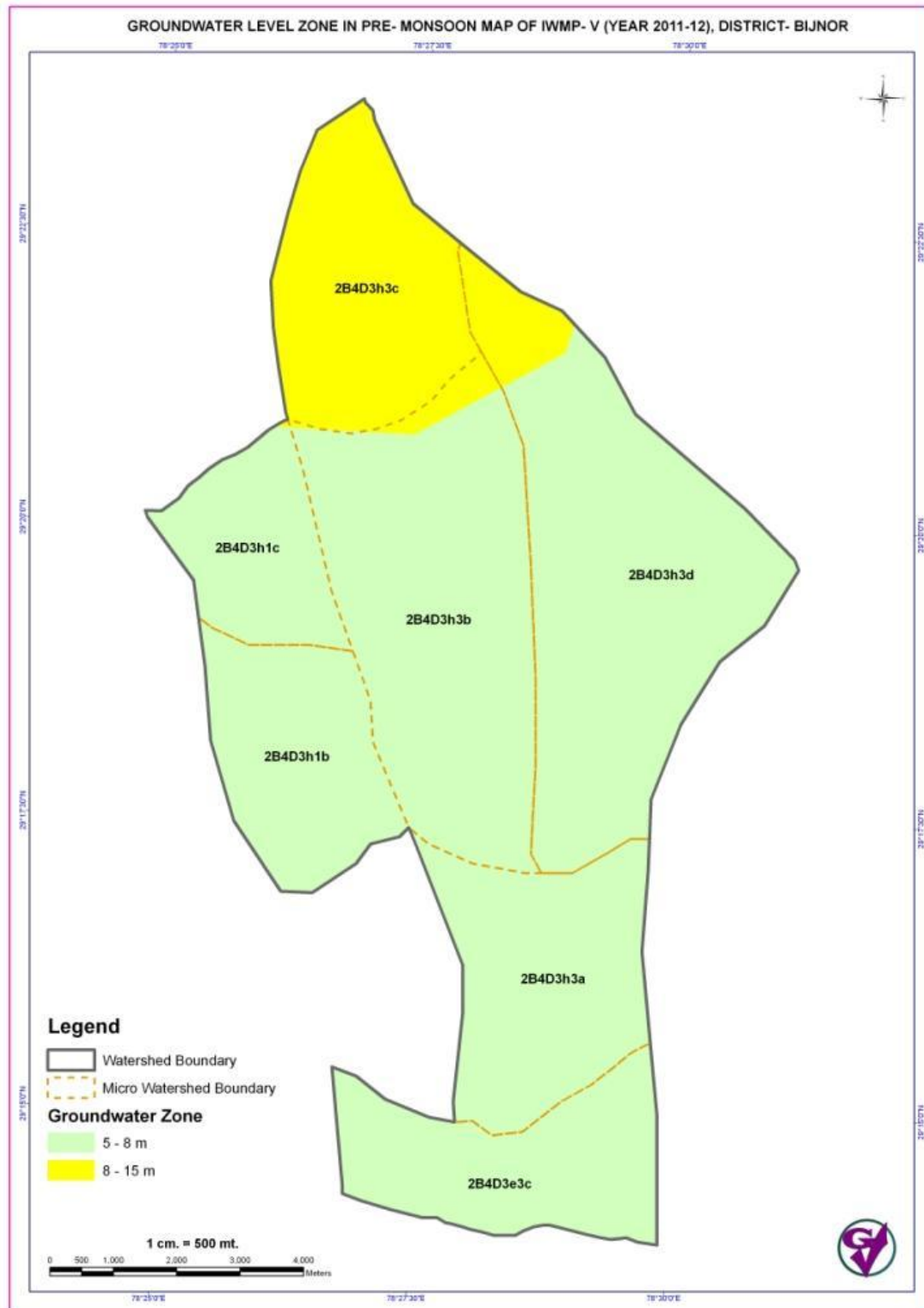
3.3.9 Landuse

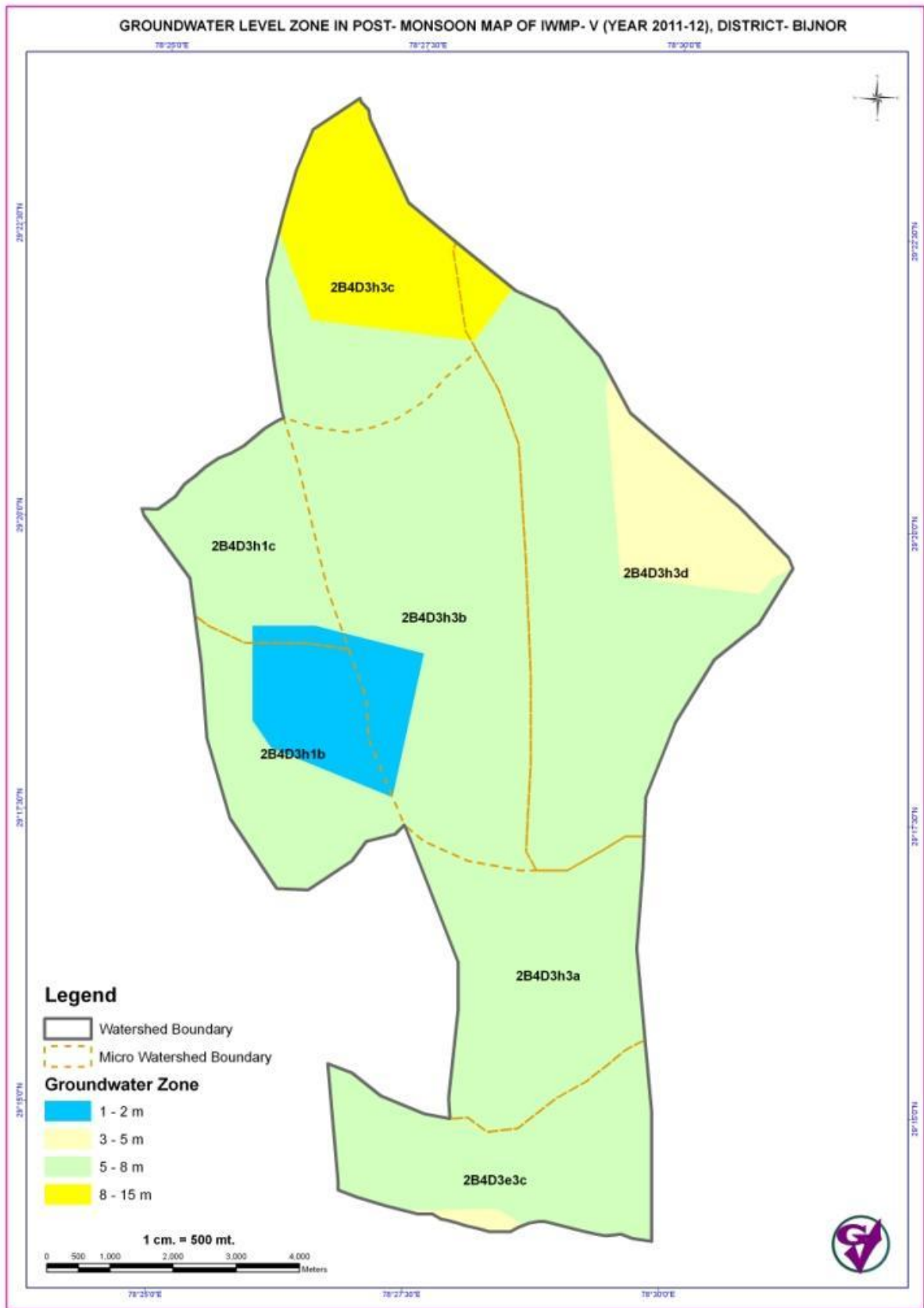
The total area of Dhampur watershed is 9266.59 ha. About 87% area of the land is under cultivation. Community land is about 1%. The remaining area of about 12% is under orchard, habitation and other uses. The land use map is given below:



3.3.10 Ground water level map

About 29.03 ha area of the watershed has a ground water depth of about 5-8 m and 2297.38 ha have a depth of about 8 to 15 m. This is pre-monsoon status. During post monsoon season about 1558.93 ha area has ground water table of 5 to 8 m. The pre and post monsoon ground water maps are given below:





3.4 Climate

The Topography of Bijnor district is mainly a plain. The district has a pleasing climate with cool and foggy winter and generally hot and humid summer. The wet session starts from July to October during which the district receives rainfall. The temperature of the district varies from 48°C in summer and 3°C in winter.

Month	Year				Temperature (°C)		Wind speed	Average	Open Pan evaporation
January	8.00	0.40	11.00	40.00	25° to 48°	3° to 14°			
February	29.80	16.00	1.80	113.90					
March	0.00	6.70	17.50	15.80					
April	0.00	1.50	2.30	0.00					
May	20.30	52.20	0.70	0.00					
June	7.90	154.5	1.60	208.10					
July	568.00	188.8	179.3	219.30					
August	299.80	368.1	212.3	383.60					
September	347.50	62.20	175.2	63.30					
October	1.70	0.00	0.00	40.50					
November	0.00	0.00	0.00	4.10					
December	15.00	0.00	11.20	11.20					
Total	1298.0	850.4	612.9	1099.8					

3.5 Natural calamities

Natural calamities of the watershed for the past 10 years are given below:

Name of Micro Watershed	Code of Micro Watershed	Type of calamities	Very severe/ Severe/mild	Years in which affected	Farm family affected	% of crop area affected
Basera Narayan	2B4D3h3c	Flood	Severe	2012	7	
Dhakka Karamchandra	2B4D3h3b	Flood	Severe	2012	6	
Aladipur Bhatpura	2B4D3h3d	Flood	Very Severe	2012	12	
Needdu Khas	2B4D3h3a	Flood	Severe	2012	8	
Daulatpur Sukhkha	2B4D3e3c	Flood	Mild	2012	5	
Raipur Mulak	2B4D3h1b	Flood	Mild	2012	4	
Kashmiri Abbu Naseerpur	2B4D3h1c	Flood	Mild	2012	2	

3.6 Physiography, Geomorphology and Soils

3.6.1 Physiography of the watershed

The Physiography of Bijnor district is mainly a plain. The physical aspect of the district possesses diverse characteristics. The greater portion of the district is open and highly cultivated. The major part of the district forms a part of the Indo-gangetic alluvium, which consists of clay, sand, kankar and reh. Hard granite is also available near the surface of the Ramganga in the northern part of the district. Due to changing course of flow of Gangas, the adjoining area of the district changes frequently.

3.6.2 Geomorphology

The Geomorphology of Bijnor is quite different, the river after passing through the foot hills of Himalayas debouches in to the plains from Haridwar. The gradient here abruptly changes and owing to it the river current and along with that the carrying capacity of the river decreases abruptly. Hence the river deposits a large quantity of sediment load carried by the flow here forming the alluvial fan. The Sediments deposited here are sorted along the river course from coarser to finer moving from apex in north towards downstream in south. In the northern part of the selected reach the boulders, pebbles and gravels are found embedded in the fine matrix of sand and silt. As the river flows downstream it deposits sand and silt along its course downstream of Haridwar. Most of the part of this selected reach comes with in the area of the alluvial fan developed by the Ganga river. Hence the formations are uncompacted and easily tend to erode by the high current of the river here. This enables the river to erode its banks most frequently and shift laterally forming a wide flood plain. The river exhibits typically braiding near Haridwar and downstream, forming multi-stranded channel separated by channel bars and islands stabilized at places because of the vegetation growth. Further downstream from Haridwar and upstream of the Bijnor Barrage, river shows anastomosing pattern and forms large island between two channels where individual channels show meanders.

3.6.3 Soils

Geotechnically, the district has broadly been divided into two provinces, namely, Alluvium and Piedmont deposit. The Alluvium province consisting of unconsolidated sediments has high cumulative permeability, low bearing capacity and 1-2 kg/cm compressive strength. The Piedmont deposit include unconsolidated boulder sand and silt which show very high permeability, low to medium bearing capacity and 1-4 kg/cm² compressive strength. Both the provinces exhibit foundation characteristics suitable for structures of low unit. There remains the low fringe of khadir along the Ganges to the west. This generally resembles the lowlands that skirt the rivers of the interior, the low flats which adjoin the stream itself being purely alluvial in character, while above them rises a terrace of higher ground extending inland as far as the chain of stagnant morasses lying immediately under the bangar cliff. But the khadir in the district, at any rate in the southern parganas, is of a very poor description and no whit better than that on the opposite bank in Muzaffarnagar and Meerut.

Micro watershed wise soil details								
Sl. No	Name of Microwatershed	Area (ha)	Soil depth	Alkaline (yes/no)	Fertility (yes/no)	Flood (yes/no)	Status of macro nutrients	Status of micro nutrients
1	2	3	4	6	7	8	9	10
1	Daulatpur Sukkha	989.21	>90 cm	Yes	Low	Nil	Organic Carbon and Nitrogen Deficient	Zn Deficient
2	Raipur	905.23	>90 cm	No	Medium	Nil		
3	Kashmiri Abbu Naseerpur	662.38	>90 cm	Yes	Low	Nil	Organic Carbon and Nitrogen Deficient	Zn Deficient
4	Needu Khas	1165.43	>90 cm	No	Medium	Nil		
5	Dhakka Karamchand	2051.48						
6	Basera Narayan	1156.26						
7	Aladipur Bhatpura	2336.50						
Total		9266.59						
1For Soil depth: < 15 cm ; >15 cm < 45 cm; >45 cm < 90 cm; > 90 cm								
2For soil texture: Silty (Si); sandy (S); Clay (C) or write combination of these								
3For fertility status; Low(L);Medium(M);High(H)								

3.7 Hydrology

River Ganga separates Bijnor district and is the main river of the district. Next comes the East Ramganga River. The other rivers of the district are Khoh, Ban, Gangan, Karula, Malin, Ekra, Chhoiya, Pili, Dhara, Panili and Phika.

Details of hydrological details (may be given separately for each village)			
Sl. No.	Name of water source	Capacity/number	Remarks
1	Canal		
a	Type	Not Available	
b	Discharge (cubic meter per second)	Not Available	
c	Flow months	Not Available	
d	Maintenance	Not Available	
2	Open dug up well		
a	Average water table (m)	10-16	
b	Total number		
c	Number of functioning wells		
d	Number of defunct wells		
e	Diameter of the well (give range), m	3-4	
f	Number of lined wells	4	
g	Number of unlined wells		
h	Whether well has parapet wall	Yes/no/some have	
i	Whether used for ground water recharge	Yes/no/some have	
j	Main purpose		
i	Drinking water	√	Abandoned
ii	Irrigation	√	Abandoned
iii	For cattle	√	Abandoned
3	Tube well		
i	Number of tube wells installed		Private
ii	Number of functional tube wells		
iii	Number of defunct tube wells		
iv	Average depth (give range), m		
v	Diameter (give range), cm	15	
vi	Average discharge (cubic meter per second)		
vii	Average working hours per year (hrs)	400 hrs	Depends on Rainfall & Electricity
4	Open dug up ponds		
i	Number of open dug up ponds		
ii	Number of ponds used for irrigation		
iii	Average depth of open dug up ponds (give range also), m		
iv	Average size (give range), ha		

3.8 Human Population

Total population is 147385. Out of these about 75% belongs to General category and 25% are schedule caste.

Sr.No.	Name of Villages	Name of Gram Panchayat	Male			Female			Total			Total Population
			SC	ST	General	SC	ST	General	SC	ST	General	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Aas Khera Shanjarpur	Aas Khera Shanjarpur	377	0	1764	333	0	1674	710	0	3438	4148
2	Abdul Malakpur	Purainy	497	0	470	510	0	433	1007	0	903	1910
3	Ajitpurdasi	Mankua	314	0	281	246	0	265	560	0	546	1106
4	Aladinpur Bhogi	Aladinpur Bhogi	494	0	641	470	0	594	964	0	1235	2199
5	Aladinpur Kirat	Karamchand	0	0	108	0	0	92	0	0	200	200
6	Alipur_Bhatpura	Alipur_Bhatpura	634	0	308	582	0	339	1216	0	647	1863
7	Arazi Gopal Jot	Bara Khera Chauhan	96	0	76	105	0	71	201	0	147	348
8	Athaishekh	Athaishekh	11	0	2199	12	0	2156	23	0	4355	4378
9	Aurangshahpur	Aurangshahpur	101	0	281	98	0	286	199	0	567	766
10	Bamwali	Jamalpur Alam	0	0	134	0	0	140	0	0	274	274
11	Bara Khera Chauhan	Bara Khera Chauhan	0	0	59	0	0	54	0	0	113	113
12	Baseda Khemchand	Basera Narayanpur	78	0	385	68	0	357	146	0	742	888
13	Baseda Udar	Aladinpur Bhogi	88	0	361	75	0	317	163	0	678	841
14	Basera Khurd	Basera Khurd	671	0	2071	597	0	1947	1268	0	4018	5286
15	Basera Narayanpur	Basera Narayanpur	125	0	428	110	0	406	235	0	834	1069
16	Bhara Kheril Dugri	Kashmiri Abbunasarapur	0	0	141	0	0	145	0	0	286	286
17	Bhara Kherimma	Tapraula	0	0	231	0	0	192	0	0	423	423
18	Bhatpana Khushahalpur	Bhatpana Khushahalpur	327	0	735	283	0	640	610	0	1375	1985
19	Burhan Nagar	Pipalsana	0	0	241	0	0	190	0	0	431	431
20	Chak Shahjani	Chak Shahjani	23	0	598	17	0	549	40	0	1147	1187
21	Chaknindru	Neendu Khas	0	0	32	0	0	37	0	0	69	69
22	Daulatpur Sukha	Daulatpur Sukha	134	0	521	126	0	455	260	0	976	1236
23	Dhampur Hussainpur	Dhampur Hussainpur	553	0	3014	472	0	2713	1025	0	5727	6752
24	Gajupura	Gajupura	182	0	230	157	0	227	339	0	457	796
25	Hakeempur Narayan	Hakeempur Narayan	144	0	401	133	0	357	277	0	758	1035
26	Hakikatpur_Govind	Saidpuri Mehichand	16	0	105	22	0	107	38	0	212	250
27	Hakimpur Chandan	Basera Narayanpur	82	0	156	76	0	142	158	0	298	456
28	Hakimpur Jassu	Prithi Parbanwari	254	0	983	226	0	968	480	0	1951	2431
29	Hakimpur Shankarganj Urf Madhaura	Hakimpur Shankarganj	295	0	948	273	0	862	568	0	1810	2378

Sr.No.	Name of Villages	Name of Gram Panchayat	Male			Female			Total			Total Population
			SC	ST	General	SC	ST	General	SC	ST	General	
1	2	3	4	5	6	7	8	9	10	11	12	13
30	Hara Ahmad Pur Jalal	Mimla-2	364	0	443	330	0	395	694	0	838	1532
31	Ibrahimpur Lal	Ibrahimpur Lal	296	0	499	261	0	458	557	0	957	1514
32	Jahangira Bad Milak	Jahangira Bad Milak	310	0	1052	262	0	969	572	0	2021	2593
33	Jamalpur Alam	Jamalpur Alam	121	0	582	108	0	534	229	0	1116	1345
34	Jamalpur Bangar	Jamalpur Bangar	0	0	719	0	0	698	0	0	1417	1417
35	Kalali	Makrandpur Manak	121	0	152	130	0	151	251	0	303	554
36	Kalyanpur	Kalyanpur	103	0	165	96	0	150	199	0	315	514
37	Kand Kheri	Kirar Kheri	0	0	359	0	0	317	0	0	676	676
38	Kashmiri Abbunasarpur	Kashmiri Abbunasarpur	478	0	752	401	0	679	879	0	1431	2310
39	Khai kheda	Mozampur Zaitra	163	0	94	132	0	98	295	0	192	487
40	Kotra Tappa Kesho	Latif Ullapur	14	0	109	20	0	116	34	0	225	259
41	Kirar Kheri	Kirar Kheri	0	0	898	0	0	842	0	0	1740	1740
42	Latif Ullapur	Latif Ullapur	335	0	309	307	0	285	642	0	594	1236
43	Machmar	Dhampur Hussainpur	279	0	611	249	0	564	528	0	1175	1703
44	Maharatpur Kala	Purainy	781	0	1942	743	0	1891	1524	0	3833	5357
45	Makrandpur Manak	Makrandpur Manak	0	0	323	0	0	370	0	0	693	693
46	Malakpur	Tapraula	219	0	110	196	0	128	415	0	238	653
47	Mampurpur Gazi	Kashmiri Abbunasarpur	0	0	233	0	0	225	0	0	458	458
48	Mankua	Mankua	215	0	912	175	0	904	390	0	1816	2206
49	Manpur Rajja	Chak Shahjani	0	0	156	0	0	137	0	0	293	293
50	Mauzampur Suraj	Mauzampur Suraj	234	0	285	207	0	249	441	0	534	975
51	Mimla	Mimla-2	0	0	354	0	0	341	0	0	695	695
52	Mohammad Pur Biru	Wajidpur	0	0	445	0	0	384	0	0	829	829
53	Mohammad Parma	Mohammad Parma	233	0	487	195	0	437	428	0	924	1352
54	Mozampur Zaitra	Mozampur Zaitra	1449	0	3304	1317	0	3017	2766	0	6321	9087
55	Muhamadpur Sulatan	Hakimpur Shankarganj	411	0	172	393	0	175	804	0	347	1151
56	Munimpur	Aminabad	415	0	1918	351	0	1916	766	0	3834	4600
57	Mohammad Alipur Bhikan	Mohammad Alipur Bhikan	290	0	1098	249	0	1022	539	0	2120	2659
58	Nagla Gunga	Mozampur Zaitra	282	0	308	256	0	314	538	0	622	1160
59	Nanglasari	Basera Narayanpur	0	0	238	0	0	229	0	0	467	467
60	Nangli Ladan	Nangli Ladan	499	0	1558	464	0	1467	963	0	3025	3988

Sr.No.	Name of Villages	Name of Gram Panchayat	Male			Female			Total			Total Population
			SC	ST	General	SC	ST	General	SC	ST	General	
1	2	3	4	5	6	7	8	9	10	11	12	13
61	Nawada	Dhampur Hussainpur	629	0	1018	523	0	918	1152	0	1936	3088
62	Nawada Shahpur	Prithi Parbanwari	89	0	451	95	0	511	184	0	962	1146
63	Neendu Khas	Neendu Khas	75	0	4887	65	0	4611	140	0	9498	9638
64	Pipalsana	Pipalsana	338	0	1138	311	0	1150	649	0	2288	2937
65	Prithi Parbanwari	Prithi Parbanwari	0	0	1079	0	0	1013	0	0	2092	2092
66	Raghunathpur	Sadullah Khanpur	0	0	167	0	0	137	0	0	304	304
67	Raipur Malihabad	Kashmiri Abbunasarpur	191	0	98	187	0	88	378	0	186	564
68	Raipur Malook	Raipur Malook	236	0	1129	229	0	1016	465	0	2145	2610
69	Rasulpur Imma	Gajupura	0	0	349	0	0	315	0	0	664	664
70	Rosanpur Raju	Chak Shahjani	0	0	57	0	0	51	0	0	108	108
71	Sadullah Khanpur	Sadullah Khanpur	199	0	232	197	0	184	396	0	416	812
72	Safar Shikoh Pur	Mauzampur Suraj	236	0	661	224	0	596	460	0	1257	1717
73	Sahabpur	Sadullah Khanpur	13	0	1496	13	0	1429	26	0	2925	2951
74	Sahanpur Navada	Prithi Parbanwari	89	0	451	95	0	511	184	0	962	1146
75	Saidpuri Mehichand	Saidpuri Mehichand	270	0	338	245	0	327	515	0	665	1180
76	Salawa	Salawa	384	0	466	320	0	405	704	0	871	1575
77	Sarak Thal Madho	Mauzampur Suraj	208	0	387	160	0	368	368	0	755	1123
78	Sedha	Sedha	0	0	1261	0	0	1220	0	0	2481	2481
79	Sedhi	Sedhi	361	0	693	346	0	644	707	0	1337	2044
80	Shahjadpur Taru	Sadullah Khanpur	95	0	157	79	0	160	174	0	317	491
81	Shekhpur Bhawra	Chak Shahjani	295	0	125	252	0	101	547	0	226	773
82	Shekhpur Piththa	Daulatpur Sukha	70	0	212	77	0	186	147	0	398	545
83	Tapraula	Tapraula	144	0	205	157	0	223	301	0	428	729
84	Tarkolimadan	Gajraula	0	0	178	0	0	168	0	0	346	346
85	Tibari	Tibari	192	0	2404	176	0	2237	368	0	4641	5009
86	Wajidpur	Wajidpur	0	0	881	0	0	824	0	0	1705	1705
Total			17222	0	59009	15584	0	55570	32806	0	114579	147385
Gender Ratio						905 :1000		942 :1000	933 :1000			

Source: Population Census 2011

3.9 Educational classification

About 61% people in the watershed are literate. 68% male and 52% female are literate. Village wise literacy is provided in the following table.

Sr. No.	Name of Villages	Name of Gram Panchayat	Male		Female		Total		Total Population
			Literate	Illiterate	Literate	Illiterate	Literate	Illiterate	
1	2	3	4	5	6	7	8	9	10
1	Aas Khera Shanjarpur	Aas Khera Shanjarpur	1483	658	1036	971	2519	1629	4148
2	Abdul Malakpur	Purainy	591	376	430	513	1021	889	1910
3	Ajitpurdasi	Mankua	464	131	294	217	758	348	1106
4	Aladinpur Bhogi	Aladinpur Bhogi	843	292	660	404	1503	696	2199
5	Aladinpur Kirat	Karamchand	96	12	57	35	153	47	200
6	Alipur_Bhatpura	Alipur_Bhatpura	675	267	475	446	1150	713	1863
7	Arazi Gopal Jot	Bara Khera Chauhan	112	60	78	98	190	158	348
8	Athaishekh	Athaishekh	1321	889	1173	995	2494	1884	4378
9	Aurangshahpur	Aurangshahpur	238	144	170	214	408	358	766
10	Bamwali	Jamalpur Alam	44	90	59	81	103	171	274
11	Bara Khera Chauhan	Bara Khera Chauhan	54	5	42	12	96	17	113
12	Baseda Khemchand	Basera Narayanpur	370	93	271	154	641	247	888
13	Baseda Udar	Aladinpur Bhogi	405	44	305	87	710	131	841
14	Basera Khurd	Basera Khurd	1708	1034	1265	1279	2973	2313	5286
15	Basera Narayanpur	Basera Narayanpur	418	135	355	161	773	296	1069
16	Bhara Kheril Dugri	Kashmiri Abbunarpur	102	39	87	58	189	97	286
17	Bhara Kherimma	Tapraula	114	117	95	97	209	214	423
18	Bhatpana Khushahalpur	Bhatpana Khushahalpur	853	209	609	314	1462	523	1985
19	Burhan Nagar	Pipalsana	191	50	116	74	307	124	431
20	Chak Shahjani	Chak Shahjani	403	218	270	296	673	514	1187
21	Chaknindru	Neendu Khas	18	14	16	21	34	35	69
22	Daulatpur Sukha	Daulatpur Sukha	486	169	326	255	812	424	1236
23	Dhampur Hussainpur	Dhampur Hussainpur	2337	1230	1778	1407	4115	2637	6752
24	Gajupura	Gajupura	331	81	246	138	577	219	796
25	Hakeempur Narayan	Hakeempur Narayan	407	138	280	210	687	348	1035
26	Hakikatpur_Govind	Saidpuri Mehichand	91	30	82	47	173	77	250
27	Hakimpur Chandan	Basera Narayanpur	172	66	143	75	315	141	456
28	Hakimpur Jassu	Prithi Parbanwari	771	466	559	635	1330	1101	2431
29	Hakimpur Shankarganj Urf	Hakimpur Shankarganj	876	367	599	536	1475	903	2378

Sr. No.	Name of Villages	Name of Gram Panchayat	Male		Female		Total		Total Population
			Literate	Illiterate	Literate	Illiterate	Literate	Illiterate	
1	2	3	4	5	6	7	8	9	10
	Madhaura								
30	Hara Ahmad Pur Jalal	Mimla-2	604	203	388	337	992	540	1532
31	Ibrahimpur Lal	Ibrahimpur Lal	570	225	413	306	983	531	1514
32	Jahangira Bad Milak	Jahangira Bad Milak	782	580	565	666	1347	1246	2593
33	Jamalpur Alam	Jamalpur Alam	441	262	355	287	796	549	1345
34	Jamalpur Bangar	Jamalpur Bangar	477	242	338	360	815	602	1417
35	Kalali	Makrandpur Manak	213	60	171	110	384	170	554
36	Kalyanpur	Kalyanpur	175	93	119	127	294	220	514
37	Kandar Kheri	Kirar Kheri	258	101	171	146	429	247	676
38	Kashmiri Abbunasarpur	Kashmiri Abbunasarpur	706	524	498	582	1204	1106	2310
39	Khai kheda	Mozampur Zaitra	224	33	191	39	415	72	487
40	Kotra Tappa Kesho	Latif Ullapur	77	46	53	83	130	129	259
41	Kirar Kheri	Kirar Kheri	468	430	295	547	763	977	1740
42	Latif Ullapur	Latif Ullapur	447	197	317	275	764	472	1236
43	Machmar	Dhampur Hussainpur	536	354	349	464	885	818	1703
44	Maharatpur Kala	Purainy	2090	633	1643	991	3733	1624	5357
45	Makrandpur Manak	Makrandpur Manak	202	121	203	167	405	288	693
46	Malakpur	Tapraula	225	104	159	165	384	269	653
47	Mampur Gazi	Kashmiri Abbunasarpur	160	73	145	80	305	153	458
48	Mankua	Mankua	888	239	692	387	1580	626	2206
49	Manpur Rajja	Chak Shahjani	100	56	52	85	152	141	293
50	Mauzampur Suraj	Mauzampur Suraj	417	102	298	158	715	260	975
51	Mimla	Mimla-2	233	121	177	164	410	285	695
52	Mohammad Pur Biru	Wajidpur	255	190	174	210	429	400	829
53	Mohammad Parma	Mohammad Parma	571	149	397	235	968	384	1352
54	Mozampur Zaitra	Mozampur Zaitra	3854	899	3127	1207	6981	2106	9087
55	Muhamadpur Sulatan	Hakimpur Shankarganj	430	153	335	233	765	386	1151
56	Munimpur	Aminabad	1756	577	1341	926	3097	1503	4600
57	Mohammad Alipur Bhikan	Mohammad Alipur Bhikan	591	797	465	806	1056	1603	2659
58	Nagla Gunga	Mozampur Zaitra	442	148	350	220	792	368	1160
59	Nanglasari	Basera Narayanpur	155	83	119	110	274	193	467
60	Nangli Ladan	Nangli Ladan	1513	544	1337	594	2850	1138	3988
61	Nawada	Dhampur Hussainpur	1170	477	733	708	1903	1185	3088

Sr. No.	Name of Villages	Name of Gram Panchayat	Male		Female		Total		Total Population
			Literate	Illiterate	Literate	Illiterate	Literate	Illiterate	
1	2	3	4	5	6	7	8	9	10
62	Nawada Shahpur	Prithi Parbanwari	369	171	299	307	668	478	1146
63	Neendu Khas	Neendu Khas	2722	2240	2444	2232	5166	4472	9638
64	Pipalsana	Pipalsana	1067	409	779	682	1846	1091	2937
65	Prithi Parbanwari	Prithi Parbanwari	488	591	414	599	902	1190	2092
66	Raghunathpur	Sadullah Khanpur	121	46	71	66	192	112	304
67	Raipur Malihabad	Kashmiri Abbunarpur	213	76	146	129	359	205	564
68	Raipur Malook	Raipur Malook	952	413	622	623	1574	1036	2610
69	Rasulpur Imma	Gajupura	262	87	192	123	454	210	664
70	Rosanpur Raju	Chak Shahjani	40	17	25	26	65	43	108
71	Sadullah Khanpur	Sadullah Khanpur	313	118	222	159	535	277	812
72	Safar Shikoh Pur	Mauzampur Suraj	703	194	479	341	1182	535	1717
73	Sahabpur	Sadullah Khanpur	834	675	656	786	1490	1461	2951
74	Sahanpur Navada	Prithi Parbanwari	369	171	299	307	668	478	1146
75	Saidpuri Mehichand	Saidpuri Mehichand	505	103	386	186	891	289	1180
76	Salawa	Salawa	631	219	405	320	1036	539	1575
77	Sarak Thal Madho	Mauzampur Suraj	473	122	362	166	835	288	1123
78	Sedha	Sedha	917	344	712	508	1629	852	2481
79	Sedhi	Sedhi	705	349	489	501	1194	850	2044
80	Shahjadpur Taru	Sadullah Khanpur	207	45	153	86	360	131	491
81	Shekhpur Bhawra	Chak Shahjani	326	94	184	169	510	263	773
82	Shekhpur Piththa	Daulatpur Sukha	233	49	179	84	412	133	545
83	Tapraula	Tapraula	249	100	194	186	443	286	729
84	Tarkolimadan	Gajraula	125	53	86	82	211	135	346
85	Tibari	Tibari	1639	957	1161	1252	2800	2209	5009
86	Wajidpur	Wajidpur	451	430	394	430	845	860	1705
	Total		51918	24313	39199	31955	91117	56268	147385

Source: Population Census, 2011

3.10 Socio-economic aspects

The economic condition of the people is not very encouraging as about 93% family of the watershed is landless, hence their livelihood depends upon the occasional employment they get in agricultural sector or they migrate to the near by city for day to day labour work.. There is large gap among the rich and poor people of the water shed.

About 25% of people are schedule cast and only few (less then 0.10%) belong to schedule tribe. About 7% families are below poverty line. More then 60% family still use fire wood for cooking the meal and only less then 6% use LPG.

3.11 Details of farming community, land less families and families below poverty line

About 60% families of the watershed are land less and about 12% families are below below poverty line. Gram Panchayat wise details are given below:

Sr.No.	Name of Villages	Name of Gram Panchayat	Number of Landless families	Number of farmers with land	Total Family	Number of BPL families
1	2	3	4	5	6	7
1	Aas Khera Shanjarpur	Aas Khera Shanjarpur	238	461	699	63
2	Abdul Malakpur	Purainy	113	220	333	30
3	Ajitpurdasi	Mankua	67	130	197	18
4	Aladinpur Bhogi	Aladinpur Bhogi	123	239	362	33
5	Aladinpur Kirat	Karamchand	13	24	37	3
6	Alipur_Bhatpura	Alipur_Bhatpura	112	218	330	30
7	Arazi Gopal Jot	Bara Khera Chauhan	22	43	65	6
8	Athaishekh	Athaishekh	251	488	739	67
9	Aurangshahpur	Aurangshahpur	47	91	138	12
10	Bamwali	Jamalpur Alam	17	32	49	4
11	Bara Khera Chauhan	Bara Khera Chauhan	8	15	23	2
12	Baseda Khemchand	Basera Narayanpur	55	106	161	14
13	Baseda Udar	Aladinpur Bhogi	54	105	159	14
14	Basera Khurd	Basera Khurd	290	564	854	77
15	Basera Narayanpur	Basera Narayanpur	67	130	197	18
16	Bhara Kheril Dugri	Kashmiri Abbunasarpur	17	34	51	5
17	Bhara Kherimma	Tapraula	23	45	68	6
18	Bhatpana Khushahalpur	Bhatpana Khushahalpur	115	222	337	30
19	Burhan Nagar	Pipalsana	28	54	82	7
20	Chak Shahjani	Chak Shahjani	73	141	214	19
21	Chaknindru	Neendu Khas	3	5	8	1
22	Daulatpur Sukha	Daulatpur Sukha	79	152	231	21
23	Dhampur Hussainpur	Dhampur Hussainpur	396	770	1166	105
24	Gajupura	Gajupura	46	90	136	12
25	Hakeempur Narayan	Hakeempur Narayan	64	125	189	17
26	Hakikatpur_Govind	Saidpuri Mehichand	16	31	47	4
27	Hakimpur Chandan	Basera Narayanpur	32	63	95	9
28	Hakimpur Jassu	Prithi Parbanwari	131	255	386	35

Sr.No.	Name of Villages	Name of Gram Panchayat	Number of Landless families	Number of farmers with land	Total Family	Number of BPL families
1	2	3	4	5	6	7
29	Hakimpur Shankarganj Urf Madhaura	Hakimpur Shankarganj	140	273	413	37
30	Hara Ahmad Pur Jalal	Mimla-2	96	187	283	25
31	Ibrahimpur Lal	Ibrahimpur Lal	84	163	247	22
32	Jahangira Bad Milak	Jahangira Bad Milak	140	272	412	37
33	Jamalpur Alam	Jamalpur Alam	81	158	239	22
34	Jamalpur Bangar	Jamalpur Bangar	77	149	226	20
35	Kalali	Makrandpur Manak	37	73	110	10
36	Kalyanpur	Kalyanpur	30	58	88	8
37	Kand Kheri	Kirar Kheri	33	63	96	9
38	Kashmiri Abbunasarapur	Kashmiri Abbunasarapur	135	261	396	36
39	Khai kheda	Mozampur Zaitra	32	63	95	9
40	Kotra Tappa Kesho	Latif Ullapur	17	33	50	5
41	Kirar Kheri	Kirar Kheri	90	175	265	24
42	Latif Ullapur	Latif Ullapur	67	131	198	18
43	Machmar	Dhampur Hussainpur	103	200	303	27
44	Maharatpur Kala	Purainy	347	674	1021	92
45	Makrandpur Manak	Makrandpur Manak	43	83	126	11
46	Malakpur	Tapraula	40	78	118	11
47	Mamurpur Gazi	Kashmiri Abbunasarapur	27	51	78	7
48	Mankua	Mankua	126	244	370	33
49	Manpur Rajja	Chak Shahjani	19	36	55	5
50	Mauzampur Suraj	Mauzampur Suraj	66	128	194	17
51	Mimla	Mimla-2	39	77	116	10
52	Mohammad Pur Biru	Wajidpur	46	90	136	12
53	Mohammad Parma	Mohammad Parma	75	146	221	20
54	Mozampur Zaitra	Mozampur Zaitra	580	1126	1706	154
55	Muhamadpur Sulatan	Hakimpur Shankarganj	74	144	218	20
56	Munimpur	Aminabad	254	493	747	67
57	Mohammad Alipur Bhikan	Mohammad Alipur Bhikan	141	273	414	37
58	Nagla Gunga	Mozampur Zaitra	72	140	212	19
59	Nanglasari	Basera Narayanpur	22	43	65	6
60	Nangli Ladan	Nangli Ladan	205	399	604	54
61	Nawada	Dhampur Hussainpur	194	378	572	51
62	Nawada Shahpur	Prithi Parbanwari	66	129	195	18
63	Neendu Khas	Neendu Khas	525	1018	1543	139
64	Pipalsana	Pipalsana	177	343	520	47
65	Prithi Parbanwari	Prithi Parbanwari	108	211	319	29
66	Raghunathpur	Sadullah Khanpur	18	34	52	5
67	Raipur Malihabad	Kashmiri Abbunasarapur	34	65	99	9
68	Raipur Malook	Raipur Malook	159	310	469	42
69	Rasulpur Imma	Gajupura	37	73	110	10
70	Rosanpur Raju	Chak Shahjani	5	10	15	1
71	Sadullah Khanpur	Sadullah Khanpur	56	108	164	15
72	Safar Shikoh Pur	Mauzampur Suraj	104	201	305	27
73	Sahabpur	Sadullah Khanpur	138	269	407	37

Sr.No.	Name of Villages	Name of Gram Panchayat	Number of Landless families	Number of farmers with land	Total Family	Number of BPL families
1	2	3	4	5	6	7
74	Sahanpur Navada	Prithi Parbanwari	66	129	195	18
75	Saidpuri Mehichand	Saidpuri Mehichand	75	145	220	20
76	Salawa	Salawa	95	183	278	25
77	Sarak Thal Madho	Mauzampur Suraj	75	146	221	20
78	Sedha	Sedha	122	238	360	32
79	Sedhi	Sedhi	131	255	386	35
80	Shahjadpur Taru	Sadullah Khanpur	33	63	96	9
81	Shekhpur Bhawra	Chak Shahjani	54	104	158	14
82	Shekhpur Piththa	Daulatpur Sukha	37	73	110	10
83	Tapraula	Tapraula	47	91	138	12
84	Tarkolimadan	Gajraula	23	46	69	6
85	Tibari	Tibari	270	524	794	71
86	Wajidpur	Wajidpur	90	174	264	24
Total			8577	16657	25234	2272

Source: Land Revenue Record, BSA, Bijnor & PRA

3.12 Details about social categories of families

About 25% families are scheduled cast and 75% are general category families. Village wise details about social categories of farmers are given below:

Sr.No.	Name of Villages	Name of Gram Panchayat	Number of Scheduled Cast Families	Number of Scheduled Tribe Families	Number of General category Families	Total families
1	2	3	4	5	6	7
1	Aas Khera Shanjarpur	Aas Khera Shanjarpur	120	0	579	699
2	Abdul Malakpur	Purainy	176	0	157	333
3	Ajitpurdasi	Mankua	100	0	97	197
4	Aladinpur Bhogi	Aladinpur Bhogi	159	0	203	362
5	Aladinpur Kirat	Karamchand	0	0	37	37
6	Alipur_Bhatpura	Alipur_Bhatpura	215	0	115	330
7	Arazi Gopal Jot	Bara Khera Chauhan	38	0	27	65
8	Athaishekh	Athaishekh	4	0	735	739
9	Aurangshahpur	Aurangshahpur	36	0	102	138
10	Bamwali	Jamalpur Alam	0	0	49	49
11	Bara Khera Chauhan	Bara Khera Chauhan	0	0	23	23
12	Baseda Khemchand	Basera Narayanpur	26	0	135	161
13	Baseda Udar	Aladinpur Bhogi	31	0	128	159
14	Basera Khurd	Basera Khurd	205	0	649	854
15	Basera Narayanpur	Basera Narayanpur	43	0	154	197
16	Bhara Kheril Dugri	Kashmiri Abbunasarpur	0	0	51	51
17	Bhara Kherimma	Tapraula	0	0	68	68
18	Bhatpana Khushahalpur	Bhatpana Khushahalpur	104	0	233	337
19	Burhan Nagar	Pipalsana	0	0	82	82
20	Chak Shahjani	Chak Shahjani	7	0	207	214
21	Chaknindru	Neendu Khas	0	0	8	8
22	Daulatpur Sukha	Daulatpur Sukha	49	0	182	231
23	Dhampur Hussainpur	Dhampur Hussainpur	177	0	989	1166
24	Gajupura	Gajupura	58	0	78	136
25	Hakeempur Narayan	Hakeempur Narayan	51	0	138	189
26	Hakikatpur_Govind	Saidpuri Mehichand	7	0	40	47
27	Hakimpur Chandan	Basera Narayanpur	33	0	62	95
28	Hakimpur Jassu	Prithi Parbanwari	76	0	310	386
29	Hakimpur Shankarganj Urf Madhaura	Hakimpur Shankarganj	99	0	314	413
30	Hara Ahmad Pur Jalal	Mimla-2	128	0	155	283
31	Ibrahimpur Lal	Ibrahimpur Lal	91	0	156	247
32	Jahangira Bad Milak	Jahangira Bad Milak	91	0	321	412
33	Jamalpur Alam	Jamalpur Alam	41	0	198	239
34	Jamalpur Bangar	Jamalpur Bangar	0	0	226	226
35	Kalali	Makrandpur Manak	50	0	60	110
36	Kalyanpur	Kalyanpur	34	0	54	88
37	Kand Kheri	Kirar Kheri	0	0	96	96
38	Kashmiri Abbunasarpur	Kashmiri Abbunasarpur	151	0	245	396
39	Khai kheda	Mozampur Zaitra	58	0	37	95
40	Kotra Tappa Kesho	Latif Ullapur	7	0	43	50
41	Kirar Kheri	Kirar Kheri	0	0	265	265
42	Latif Ullapur	Latif Ullapur	103	0	95	198

Sr.No.	Name of Villages	Name of Gram Panchayat	Number of Scheduled Cast Families	Number of Scheduled Tribe Families	Number of General category Families	Total families
1	2	3	4	5	6	7
43	Machmar	Dhampur Hussainpur	94	0	209	303
44	Maharatpur Kala	Purainy	290	0	731	1021
45	Makrandpur Manak	Makrandpur Manak	0	0	126	126
46	Malakpur	Tapraula	75	0	43	118
47	Mampurpur Gazi	Kashmiri Abbinasarpur	0	0	78	78
48	Mankua	Mankua	65	0	305	370
49	Manpur Rajja	Chak Shahjani	0	0	55	55
50	Mauzampur Suraj	Mauzampur Suraj	88	0	106	194
51	Mimla	Mimla-2	0	0	116	116
52	Mohammad Pur Biru	Wajidpur	0	0	136	136
53	Mohammad Parma	Mohammad Parma	70	0	151	221
54	Mozampur Zaitra	Mozampur Zaitra	519	0	1187	1706
55	Muhamadpur Sulatan	Hakimpur Shankarganj	152	0	66	218
56	Munimpur	Aminabad	124	0	623	747
57	Mohammad Alipur Bhikan	Mohammad Alipur Bhikan	84	0	330	414
58	Nagla Gunga	Mozampur Zaitra	98	0	114	212
59	Nanglasari	Basera Narayanpur	0	0	65	65
60	Nangli Ladan	Nangli Ladan	146	0	458	604
61	Nawada	Dhampur Hussainpur	213	0	359	572
62	Nawada Shahpur	Prithi Parbanwari	31	0	164	195
63	Neendu Khas	Neendu Khas	22	0	1521	1543
64	Pipalsana	Pipalsana	115	0	405	520
65	Prithi Parbanwari	Prithi Parbanwari	0	0	319	319
66	Raghunathpur	Sadullah Khanpur	0	0	52	52
67	Raipur Malihabad	Kashmiri Abbinasarpur	66	0	33	99
68	Raipur Malook	Raipur Malook	84	0	385	469
69	Rasulpur Imma	Gajupura	0	0	110	110
70	Rosanpur Raju	Chak Shahjani	0	0	15	15
71	Sadullah Khanpur	Sadullah Khanpur	80	0	84	164
72	Safar Shikoh Pur	Mauzampur Suraj	82	0	223	305
73	Sahabpur	Sadullah Khanpur	4	0	403	407
74	Sahanpur Navada	Prithi Parbanwari	31	0	164	195
75	Saidpuri Mehichand	Saidpuri Mehichand	96	0	124	220
76	Salawa	Salawa	124	0	154	278
77	Sarak Thal Madho	Mauzampur Suraj	72	0	149	221
78	Sedha	Sedha	0	0	360	360
79	Sedhi	Sedhi	134	0	252	386
80	Shahjadpur Taru	Sadullah Khanpur	34	0	62	96
81	Shekhpur Bhawra	Chak Shahjani	112	0	46	158
82	Shekhpur Piththa	Daulatpur Sukha	30	0	80	110
83	Tapraula	Tapraula	57	0	81	138
84	Tarkolimadan	Gajraula	0	0	69	69
85	Tibari	Tibari	58	0	736	794
86	Wajidpur	Wajidpur	0	0	264	264
	Total		5818	0	19416	25234

Source: Land Revenue Record,, Bijnor & PRA

3.13 Details about social categories of farmers based on gender

About 7% farmers of scheduled cast are women headed whereas about 7% farmers under general category are women headed. Village wise details are given in the following table:

Sr.No.	Name Of Villages	Name Of Gram Panchayat	Number of Scheduled Cast Families		Number of Scheduled Tribe Families		Number of General category Families		Total families		Total Families
			Man headed	Women headed	Man headed	Women headed	Man headed	Women headed	Man headed	Women headed	
1	2	3	4	5	6	7	8	9	10	11	12
1	Aas Khera Shanjarpur	Aas Khera Shanjarpur	101	19	0	0	475	104	576	123	699
2	Abdul Malakpur	Purainy	148	28	0	0	129	28	277	56	333
3	Ajitpurdasi	Mankua	84	16	0	0	80	17	164	33	197
4	Aladinpur Bhogi	Aladinpur Bhogi	134	25	0	0	166	37	300	62	362
5	Aladinpur Kirat	Karamchand	0	0	0	0	30	7	30	7	37
6	Alipur_Bhatpura	Alipur_Bhatpura	181	34	0	0	94	21	275	55	330
7	Arazi Gopal Jot	Bara Khera Chauhan	32	6	0	0	22	5	54	11	65
8	Athaishekh	Athaishekh	3	1	0	0	603	132	606	133	739
9	Aurangshahpur	Aurangshahpur	30	6	0	0	84	18	114	24	138
10	Bamwali	Jamalpur Alam	0	0	0	0	40	9	40	9	49
11	Bara Khera Chauhan	Bara Khera Chauhan	0	0	0	0	19	4	19	4	23
12	Baseda Khemchand	Basera Narayanpur	22	4	0	0	111	24	133	28	161
13	Baseda Udar	Aladinpur Bhogi	26	5	0	0	105	23	131	28	159
14	Basera Khurd	Basera Khurd	172	33	0	0	532	117	704	150	854
15	Basera Narayanpur	Basera Narayanpur	36	7	0	0	126	28	162	35	197
16	Bhara Kheril Dugri	Kashmiri Abbunasarapur	0	0	0	0	42	9	42	9	51
17	Bhara Kherimma	Tapraula	0	0	0	0	56	12	56	12	68
18	Bhatpana Khushahalpur	Bhatpana Khushahalpur	87	17	0	0	191	42	278	59	337
19	Burhan Nagar	Pipalsana	0	0	0	0	67	15	67	15	82
20	Chak Shahjani	Chak Shahjani	6	1	0	0	170	37	176	38	214
21	Chaknindru	Neendu Khas	0	0	0	0	7	1	7	1	8
22	Daulatpur Sukha	Daulatpur Sukha	41	8	0	0	149	33	190	41	231
23	Dhampur Hussainpur	Dhampur Hussainpur	149	28	0	0	811	178	960	206	1166

Sr.No.	Name Of Villages	Name Of Gram Panchayat	Number of Scheduled Cast Families		Number of Scheduled Tribe Families		Number of General category Families		Total families		Total Families
			Man headed	Women headed	Man headed	Women headed	Man headed	Women headed	Man headed	Women headed	
1	2	3	4	5	6	7	8	9	10	11	12
24	Gajupura	Gajupura	49	9	0	0	64	14	113	23	136
25	Hakeempur Narayan	Hakeempur Narayan	43	8	0	0	113	25	156	33	189
26	Hakikatpur_Govind	Saidpuri Mehichand	6	1	0	0	33	7	39	8	47
27	Hakimpur Chandan	Basera Narayanpur	28	5	0	0	51	11	79	16	95
28	Hakimpur Jassu	Prithi Parbanwari	64	12	0	0	254	56	318	68	386
29	Hakimpur Shankarganj Urf Madhaura	Hakimpur Shankarganj	83	16	0	0	257	57	340	73	413
30	Hara Ahmad Pur Jalal	Mimla-2	108	20	0	0	127	28	235	48	283
31	Ibrahimpur Lal	Ibrahimpur Lal	76	15	0	0	128	28	204	43	247
32	Jahangira Bad Milak	Jahangira Bad Milak	76	15	0	0	263	58	339	73	412
33	Jamalpur Alam	Jamalpur Alam	34	7	0	0	162	36	196	43	239
34	Jamalpur Bangar	Jamalpur Bangar	0	0	0	0	185	41	185	41	226
35	Kalali	Makrandpur Manak	42	8	0	0	49	11	91	19	110
36	Kalyanpur	Kalyanpur	29	5	0	0	44	10	73	15	88
37	Kand Kheri	Kirar Kheri	0	0	0	0	79	17	79	17	96
38	Kashmiri Abbunasarapur	Kashmiri Abbunasarapur	127	24	0	0	201	44	328	68	396
39	Khai kheda	Mozampur Zaitra	49	9	0	0	30	7	79	16	95
40	Kotra Tappa Kesho	Latif Ullapur	6	1	0	0	35	8	41	9	50
41	Kirar Kheri	Kirar Kheri	0	0	0	0	217	48	217	48	265
42	Latif Ullapur	Latif Ullapur	87	16	0	0	78	17	165	33	198
43	Machmar	Dhampur Hussainpur	79	15	0	0	171	38	250	53	303
44	Maharatpur Kala	Purainy	244	46	0	0	599	132	843	178	1021
45	Makrandpur Manak	Makrandpur Manak	0	0	0	0	103	23	103	23	126
46	Malakpur	Tapraula	63	12	0	0	35	8	98	20	118
47	Mamurpur Gazi	Kashmiri Abbunasarapur	0	0	0	0	64	14	64	14	78
48	Mankua	Mankua	55	10	0	0	250	55	305	65	370
49	Manpur Rajja	Chak Shahjani	0	0	0	0	45	10	45	10	55
50	Mauzampur Suraj	Mauzampur Suraj	74	14	0	0	87	19	161	33	194

Sr.No.	Name Of Villages	Name Of Gram Panchayat	Number of Scheduled Cast Families		Number of Scheduled Tribe Families		Number of General category Families		Total families		Total Families
			Man headed	Women headed	Man headed	Women headed	Man headed	Women headed	Man headed	Women headed	
1	2	3	4	5	6	7	8	9	10	11	12
51	Mimla	Mimla-2	0	0	0	0	95	21	95	21	116
52	Mohammad Pur Biru	Wajidpur	0	0	0	0	112	24	112	24	136
53	Mohammad Parma	Mohammad Parma	59	11	0	0	124	27	183	38	221
54	Mozampur Zaitra	Mozampur Zaitra	436	83	0	0	973	214	1409	297	1706
55	Muhamadpur Sulatan	Hakimpur Shankarganj	128	24	0	0	54	12	182	36	218
56	Munimpur	Aminabad	104	20	0	0	511	112	615	132	747
57	Mohammad Alipur Bhikan	Mohammad Alipur Bhikan	71	13	0	0	271	59	342	72	414
58	Nagla Gunga	Mozampur Zaitra	82	16	0	0	93	21	175	37	212
59	Nanglasari	Basera Narayanpur	0	0	0	0	53	12	53	12	65
60	Nangli Ladan	Nangli Ladan	123	23	0	0	376	82	499	105	604
61	Nawada	Dhampur Hussainpur	179	34	0	0	294	65	473	99	572
62	Nawada Shahpur	Prithi Parbanwari	26	5	0	0	134	30	160	35	195
63	Neendu Khas	Neendu Khas	18	4	0	0	1247	274	1265	278	1543
64	Pipalsana	Pipalsana	97	18	0	0	332	73	429	91	520
65	Prithi Parbanwari	Prithi Parbanwari	0	0	0	0	262	57	262	57	319
66	Raghunathpur	Sadullah Khanpur	0	0	0	0	43	9	43	9	52
67	Raipur Malihabad	Kashmiri Abbunasarapur	55	11	0	0	27	6	82	17	99
68	Raipur Malook	Raipur Malook	71	13	0	0	316	69	387	82	469
69	Rasulpur Imma	Gajupura	0	0	0	0	90	20	90	20	110
70	Rosanpur Raju	Chak Shahjani	0	0	0	0	12	3	12	3	15
71	Sadullah Khanpur	Sadullah Khanpur	67	13	0	0	69	15	136	28	164
72	Safar Shikoh Pur	Mauzampur Suraj	69	13	0	0	183	40	252	53	305
73	Sahabpur	Sadullah Khanpur	3	1	0	0	330	73	333	74	407
74	Sahanpur Navada	Prithi Parbanwari	26	5	0	0	134	30	160	35	195
75	Saidpuri Mehichand	Saidpuri Mehichand	81	15	0	0	102	22	183	37	220
76	Salawa	Salawa	104	20	0	0	126	28	230	48	278
77	Sarak Thal Madho	Mauzampur Suraj	60	12	0	0	122	27	182	39	221

Sr.No.	Name Of Villages	Name Of Gram Panchayat	Number of Scheduled Cast Families		Number of Scheduled Tribe Families		Number of General category Families		Total families		Total Families
			Man headed	Women headed	Man headed	Women headed	Man headed	Women headed	Man headed	Women headed	
1	2	3	4	5	6	7	8	9	10	11	12
78	Sedha	Sedha	0	0	0	0	295	65	295	65	360
79	Sedhi	Sedhi	113	21	0	0	207	45	320	66	386
80	Shahjadpur Taru	Sadullah Khanpur	29	5	0	0	51	11	80	16	96
81	Shekhpur Bhawra	Chak Shahjani	94	18	0	0	38	8	132	26	158
82	Shekhpur Piththa	Daulatpur Sukha	25	5	0	0	66	14	91	19	110
83	Tapraula	Tapraula	48	9	0	0	66	15	114	24	138
84	Tarkolimadan	Gajraula	0	0	0	0	57	12	57	12	69
85	Tibari	Tibari	49	9	0	0	604	132	653	141	794
86	Wajidpur	Wajidpur	0	0	0	0	216	48	216	48	264
		Total	4891	927	0	0	15918	3498	20809	4425	25234

Source: PRA & Gram Panchayat

3.14 Details about occupation

Sr.No.	Name of Villages	Name of Gram Panchayat	Total work force					Total population	
			Cultivator	Agri Labour	Non Agri Labour	Salaried	Self Employed		Total Workforce
1	2	3	4	5	6	7	8	9	10
1	Aas Khera Shanjarpur	Aas Khera Shanjarpur	76	283	206	630	91	1286	4148
2	Abdul Malakpur	Purainy	35	130	95	290	42	592	1910
3	Ajitpurdasi	Mankua	20	75	55	168	25	343	1106
4	Aladinpur Bhogi	Aladinpur Bhogi	40	150	109	334	49	682	2199
5	Aladinpur Kirat	Karamchand	4	14	10	30	4	62	200
6	Alipur_Bhatpura	Alipur_Bhatpura	34	127	92	283	42	578	1863
7	Arazi Gopal Jot	Bara Khera Chauhan	6	24	17	53	8	108	348
8	Athaishekh	Athaishekh	80	299	217	665	96	1357	4378
9	Aurangshahpur	Aurangshahpur	14	52	38	116	17	237	766
10	Bamwali	Jamalpur Alam	5	19	14	42	5	85	274
11	Bara Khera Chauhan	Bara Khera Chauhan	2	8	6	17	2	35	113
12	Baseda Khemchand	Basera Narayanpur	16	61	44	135	19	275	888
13	Baseda Udar	Aladinpur Bhogi	15	57	42	128	19	261	841
14	Basera Khurd	Basera Khurd	96	361	262	803	117	1639	5286
15	Basera Narayanpur	Basera Narayanpur	19	73	53	162	24	331	1069
16	Bhara Kheril Dugri	Kashmiri Abbunasarapur	5	20	14	44	6	89	286
17	Bhara Kherimma	Tapraula	8	29	21	64	9	131	423
18	Bhatpana Khushahalpur	Bhatpana Khushahalpur	36	135	98	301	45	615	1985
19	Burhan Nagar	Pipalsana	8	29	21	66	10	134	431
20	Chak Shahjani	Chak Shahjani	22	81	59	180	26	368	1187
21	Chaknindru	Neendu Khas	1	5	3	10	2	21	69
22	Daulatpur Sukha	Daulatpur Sukha	23	84	61	188	27	383	1236
23	Dhampur Hussainpur	Dhampur Hussainpur	123	460	335	1026	149	2093	6752
24	Gajupura	Gajupura	15	54	40	121	17	247	796
25	Hakeempur Narayan	Hakeempur Narayan	19	71	51	157	23	321	1035

Sr.No.	Name of Villages	Name of Gram Panchayat	Total work force					Total population	
			Cultivator	Agri Labour	Non Agri Labour	Salaried	Self Employed		Total Workforce
1	2	3	4	5	6	7	8	9	10
26	Hakikatpur_Govind	Saidpuri Mehichand	5	17	12	38	6	78	250
27	Hakimpur Chandan	Basera Narayanpur	8	31	23	69	10	141	456
28	Hakimpur Jassu	Prithi Parbanwari	44	166	121	369	54	754	2431
29	Hakimpur Shankarganj Urf Madhaura	Hakimpur Shankarganj	43	162	118	361	53	737	2378
30	Hara Ahmad Pur Jalal	Mimla-2	28	105	76	233	33	475	1532
31	Ibrahimpur Lal	Ibrahimpur Lal	28	103	75	230	33	469	1514
32	Jahangira Bad Milak	Jahangira Bad Milak	47	177	129	394	57	804	2593
33	Jamalpur Alam	Jamalpur Alam	24	92	67	204	30	417	1345
34	Jamalpur Bangar	Jamalpur Bangar	26	97	70	215	31	439	1417
35	Kalali	Makrandpur Manak	10	38	28	84	12	172	554
36	Kalyanpur	Kalyanpur	9	35	25	78	12	159	514
37	Kand Kheri	Kirar Kheri	12	46	34	103	15	210	676
38	Kashmiri Abbunasarpur	Kashmiri Abbunasarpur	42	158	115	351	50	716	2310
39	Khai kheda	Mozampur Zaitra	9	33	24	74	11	151	487
40	Kotra Tappa Kesho	Latif Ullapur	5	18	13	39	5	80	259
41	Kirar Kheri	Kirar Kheri	32	119	86	264	38	539	1740
42	Latif Ullapur	Latif Ullapur	23	84	61	188	27	383	1236
43	Machmar	Dhampur Hussainpur	31	116	84	259	38	528	1703
44	Maharatpur Kala	Purainy	98	365	266	814	118	1661	5357
45	Makrandpur Manak	Makrandpur Manak	13	47	34	105	16	215	693
46	Malakpur	Tapraula	12	44	32	99	15	202	653
47	Mampurpur Gazi	Kashmiri Abbunasarpur	8	31	23	70	10	142	458
48	Mankua	Mankua	40	150	109	335	50	684	2206
49	Manpur Rajja	Chak Shahjani	5	20	15	45	6	91	293
50	Mauzampur Suraj	Mauzampur Suraj	18	66	48	148	22	302	975
51	Mimla	Mimla-2	13	47	34	105	16	215	695
52	Mohammad Pur Biru	Wajidpur	15	57	41	126	18	257	829

Sr.No.	Name of Villages	Name of Gram Panchayat	Total work force					Total population	
			Cultivator	Agri Labour	Non Agri Labour	Salaried	Self Employed		Total Workforce
1	2	3	4	5	6	7	8	9	10
53	Mohammad Parma	Mohammad Parma	25	92	67	205	30	419	1352
54	Mozampur Zaitra	Mozampur Zaitra	166	620	451	1380	200	2817	9087
55	Muhamadpur Sulatan	Hakimpur Shankarganj	21	79	57	175	25	357	1151
56	Munimpur	Aminabad	84	314	228	699	101	1426	4600
57	Mohammad Alipur Bhikan	Mohammad Alipur Bhikan	48	181	132	404	59	824	2659
58	Nagla Gunga	Mozampur Zaitra	21	79	58	176	26	360	1160
59	Nanglasari	Basera Narayanpur	9	32	23	71	10	145	467
60	Nangli Ladan	Nangli Ladan	73	272	198	606	87	1236	3988
61	Nawada	Dhampur Hussainpur	56	211	153	469	68	957	3088
62	Nawada Shahpur	Prithi Parbanwari	21	78	57	174	25	355	1146
63	Neendu Khas	Neendu Khas	176	657	478	1464	213	2988	9638
64	Pipalsana	Pipalsana	54	200	146	446	64	910	2937
65	Prithi Parbanwari	Prithi Parbanwari	38	143	104	318	46	649	2092
66	Raghunathpur	Sadullah Khanpur	6	21	15	46	6	94	304
67	Raipur Malihabad	Kashmiri Abbunasarpur	10	39	28	86	12	175	564
68	Raipur Malook	Raipur Malook	48	178	129	396	58	809	2610
69	Rasulpur Imma	Gajupura	12	45	33	101	15	206	664
70	Rosanpur Raju	Chak Shahjani	2	7	5	16	3	33	108
71	Sadullah Khanpur	Sadullah Khanpur	15	55	40	123	19	252	812
72	Safar Shikoh Pur	Mauzampur Suraj	31	117	85	261	38	532	1717
73	Sahabpur	Sadullah Khanpur	54	201	146	448	66	915	2951
74	Sahanpur Navada	Prithi Parbanwari	21	78	57	174	25	355	1146
75	Saidpuri Mehichand	Saidpuri Mehichand	21	81	59	179	26	366	1180
76	Salawa	Salawa	29	107	78	239	35	488	1575
77	Sarak Thal Madho	Mauzampur Suraj	21	77	56	171	23	348	1123
78	Sedha	Sedha	45	169	123	377	55	769	2481
79	Sedhi	Sedhi	37	139	101	311	46	634	2044

Sr.No.	Name of Villages	Name of Gram Panchayat	Total work force					Total population	
			Cultivator	Agri Labour	Non Agri Labour	Salaried	Self Employed		Total Workforce
1	2	3	4	5	6	7	8	9	10
80	Shahjadpur Taru	Sadullah Khanpur	9	33	24	74	12	152	491
81	Shekhpur Bhawra	Chak Shahjani	14	53	38	118	17	240	773
82	Shekhpur Piththa	Daulatpur Sukha	10	37	27	83	12	169	545
83	Tapraula	Tapraula	13	50	36	111	16	226	729
84	Tarkolimadan	Gajraula	6	24	17	52	8	107	346
85	Tibari	Tibari	91	342	248	761	111	1553	5009
86	Wajidpur	Wajidpur	31	116	85	259	38	529	1705
	Total		2688	10052	7308	22386	3255	45689	147385

Source: Population Census, 2011

3.15 Details about land holding

About 30% farmers of watershed have landholding less than 1 ha, 60% have land holding between 1 to 2 ha and about 10 % farmers have land holding above 3 ha.

Sr.No.	Name of Village	Name of Gram Panchayat	Farmers with < 1 ha land	Farmers with >1 ha<2 ha land	Farmers with > 2 ha land	Total farmers
1	2	3	4	5	6	7
1	Aas Khera Shanjarpur	Aas Khera Shanjarpur	410	41	10	461
2	Abdul Malakpur	Purainy	196	20	4	220
3	Ajitpurdasi	Mankua	116	12	2	130
4	Aladinpur Bhogi	Aladinpur Bhogi	213	22	4	239
5	Aladinpur Kirat	Karamchand	21	2	1	24
6	Alipur_Bhatpura	Alipur_Bhatpura	194	20	4	218
7	Arazi Gopal Jot	Bara Khera Chauhan	38	4	1	43
8	Athaishekh	Athaishekh	434	44	10	488
9	Aurangshahpur	Aurangshahpur	81	8	2	91
10	Bamwali	Jamalpur Alam	28	3	1	32
11	Bara Khera Chauhan	Bara Khera Chauhan	13	1	1	15
12	Baseda Khemchand	Basera Narayanpur	94	10	2	106
13	Baseda Udar	Aladinpur Bhogi	93	9	3	105
14	Basera Khurd	Basera Khurd	502	51	11	564
15	Basera Narayanpur	Basera Narayanpur	116	12	2	130
16	Bhara Kheril Dugri	Kashmiri Abbunasarapur	30	3	1	34
17	Bhara Kherimma	Tapraula	40	4	1	45
18	Bhatpana Khushahalpur	Bhatpana Khushahalpur	198	20	4	222
19	Burhan Nagar	Pipalsana	48	5	1	54
20	Chak Shahjani	Chak Shahjani	125	13	3	141
21	Chaknindru	Neendu Khas	4	0	1	5
22	Daulatpur Sukha	Daulatpur Sukha	135	14	3	152
23	Dhampur Hussainpur	Dhampur Hussainpur	685	69	16	770
24	Gajupura	Gajupura	80	8	2	90
25	Hakeempur Narayan	Hakeempur Narayan	111	11	3	125
26	Hakikatpur_Govind	Saidpuri Mehichand	28	3	0	31
27	Hakimpur Chandan	Basera Narayanpur	56	6	1	63
28	Hakimpur Jassu	Prithi Parbanwari	227	23	5	255
29	Hakimpur Shankarganj Urf Madhaura	Hakimpur Shankarganj	243	25	5	273
30	Hara Ahmad Pur Jalal	Mimla-2	166	17	4	187
31	Ibrahimpur Lal	Ibrahimpur Lal	145	15	3	163
32	Jahangira Bad Milak	Jahangira Bad Milak	242	24	6	272
33	Jamalpur Alam	Jamalpur Alam	141	14	3	158
34	Jamalpur Bangar	Jamalpur Bangar	133	13	3	149
35	Kalali	Makrandpur Manak	65	7	1	73
36	Kalyanpur	Kalyanpur	52	5	1	58
37	Kand Kheri	Kirar Kheri	56	6	1	63
38	Kashmiri Abbunasarapur	Kashmiri Abbunasarapur	232	23	6	261
39	Khai kheda	Mozampur Zaitra	56	6	1	63
40	Kotra Tappa Kesho	Latif Ullapur	29	3	1	33
41	Kirar Kheri	Kirar Kheri	156	16	3	175
42	Latif Ullapur	Latif Ullapur	117	12	2	131

Sr.No.	Name of Village	Name of Gram Panchayat	Farmers with < 1 ha land	Farmers with >1 ha<2 ha land	Farmers with > 2 ha land	Total farmers
1	2	3	4	5	6	7
43	Machmar	Dhampur Hussainpur	178	18	4	200
44	Maharatpur Kala	Purainy	600	61	13	674
45	Makrandpur Manak	Makrandpur Manak	74	7	2	83
46	Malakpur	Tapraula	69	7	2	78
47	Mampur Gazi	Kashmiri Abbunasarpur	45	5	1	51
48	Mankua	Mankua	217	22	5	244
49	Manpur Rajja	Chak Shahjani	32	3	1	36
50	Mauzampur Suraj	Mauzampur Suraj	114	12	2	128
51	Mimla	Mimla-2	69	7	1	77
52	Mohammad Pur Biru	Wajidpur	80	8	2	90
53	Mohammad Parma	Mohammad Parma	130	13	3	146
54	Mozampur Zaitra	Mozampur Zaitra	1002	101	23	1126
55	Muhamadpur Sulatan	Hakimpur Shankarganj	128	13	3	144
56	Munimpur	Aminabad	439	44	10	493
57	Mohammad Alipur Bhikan	Mohammad Alipur Bhikan	243	25	5	273
58	Nagla Gunga	Mozampur Zaitra	125	13	2	140
59	Nanglasari	Basera Narayanpur	38	4	1	43
60	Nangli Ladan	Nangli Ladan	355	36	8	399
61	Nawada	Dhampur Hussainpur	336	34	8	378
62	Nawada Shahpur	Prithi Parbanwari	115	12	2	129
63	Neendu Khas	Neendu Khas	906	92	20	1018
64	Pipalsana	Pipalsana	305	31	7	343
65	Prithi Parbanwari	Prithi Parbanwari	188	19	4	211
66	Raghunathpur	Sadullah Khanpur	30	3	1	34
67	Raipur Malihabad	Kashmiri Abbunasarpur	58	6	1	65
68	Raipur Malook	Raipur Malook	276	28	6	310
69	Rasulpur Imma	Gajupura	65	7	1	73
70	Rosanpur Raju	Chak Shahjani	9	1	0	10
71	Sadullah Khanpur	Sadullah Khanpur	96	10	2	108
72	Safar Shikoh Pur	Mauzampur Suraj	179	18	4	201
73	Sahabpur	Sadullah Khanpur	239	24	6	269
74	Sahanpur Navada	Prithi Parbanwari	115	12	2	129
75	Saidpuri Mehichand	Saidpuri Mehichand	129	13	3	145
76	Salawa	Salawa	163	16	4	183
77	Sarak Thal Madho	Mauzampur Suraj	130	13	3	146
78	Sedha	Sedha	212	21	5	238
79	Sedhi	Sedhi	227	23	5	255
80	Shahjadpur Taru	Sadullah Khanpur	56	6	1	63
81	Shekhpur Bhawra	Chak Shahjani	93	9	2	104
82	Shekhpur Piththa	Daulatpur Sukha	65	7	1	73
83	Tapraula	Tapraula	81	8	2	91
84	Tarkolimadan	Gajraula	41	4	1	46
85	Tibari	Tibari	466	47	11	524
86	Wajidpur	Wajidpur	155	16	3	174
	Total		14822	1503	332	16657

Source: Land revenue record, Pratapgarh & PRA

3.16 Details about livelihood activities

There are 877 craftsman, 1044 artisans and 1334 other in the watershed.

Sr.No.	Name of Village	Name of Gram Panchayat	Occupation			
			Craftsman	Artisans	Others	Total
1	2	3	4	5	6	7
1	Aas Khera Shanjarpur	Aas Khera Shanjarpur	25	29	37	91
2	Abdul Malakpur	Purainy	11	13	18	42
3	Ajitpurdasi	Mankua	7	8	10	25
4	Aladinpur Bhogi	Aladinpur Bhogi	13	16	20	49
5	Aladinpur Kirat	Karamchand	1	1	2	4
6	Alipur_Bhatpura	Alipur_Bhatpura	11	13	18	42
7	Arazi Gopal Jot	Bara Khera Chauhan	2	3	3	8
8	Athaishekh	Athaishekh	26	31	39	96
9	Aurangshahpur	Aurangshahpur	5	5	7	17
10	Bamwali	Jamalpur Alam	1	2	2	5
11	Bara Khera Chauhan	Bara Khera Chauhan	1	1	0	2
12	Baseda Khemchand	Basera Narayanpur	5	6	8	19
13	Baseda Udar	Aladinpur Bhogi	5	6	8	19
14	Basera Khurd	Basera Khurd	32	37	48	117
15	Basera Narayanpur	Basera Narayanpur	6	8	10	24
16	Bhara Kheril Dugri	Kashmiri Abbunarsarpur	2	2	2	6
17	Bhara Kherimma	Tapraula	2	3	4	9
18	Bhatpana Khushahalpur	Bhatpana Khushahalpur	12	14	19	45
19	Burhan Nagar	Pipalsana	3	3	4	10
20	Chak Shahjani	Chak Shahjani	7	8	11	26
21	Chaknindru	Neendu Khas	1	1	0	2
22	Daulatpur Sukha	Daulatpur Sukha	7	9	11	27
23	Dhampur Hussainpur	Dhampur Hussainpur	40	48	61	149
24	Gajupura	Gajupura	5	5	7	17
25	Hakeempur Narayan	Hakeempur Narayan	6	7	10	23
26	Hakikatpur_Govind	Saidpuri Mehichand	2	2	2	6
27	Hakimpur Chandan	Basera Narayanpur	3	3	4	10
28	Hakimpur Jassu	Prithi Parbanwari	15	17	22	54
29	Hakimpur Shankarganj Urf Madhaura	Hakimpur Shankarganj	14	17	22	53
30	Hara Ahmad Pur Jalal	Mimla-2	9	11	13	33
31	Ibrahimpur Lal	Ibrahimpur Lal	9	11	13	33
32	Jahangira Bad Milak	Jahangira Bad Milak	15	18	24	57
33	Jamalpur Alam	Jamalpur Alam	8	10	12	30
34	Jamalpur Bangar	Jamalpur Bangar	8	10	13	31
35	Kalali	Makrandpur Manak	3	4	5	12
36	Kalyanpur	Kalyanpur	3	4	5	12
37	Kand Kheri	Kirar Kheri	4	5	6	15
38	Kashmiri Abbunarsarpur	Kashmiri Abbunarsarpur	14	16	20	50
39	Khai kheda	Mozampur Zaitra	3	4	4	11
40	Kotra Tappa Kesho	Latif Ullapur	1	2	2	5
41	Kirar Kheri	Kirar Kheri	10	12	16	38
42	Latif Ullapur	Latif Ullapur	7	9	11	27
43	Machmar	Dhampur Hussainpur	10	12	16	38
44	Maharatpur Kala	Purainy	32	38	48	118
45	Makrandpur Manak	Makrandpur Manak	4	5	7	16

Sr.No.	Name of Village	Name of Gram Panchayat	Occupation			
			Craftsman	Artisans	Others	Total
1	2	3	4	5	6	7
46	Malakpur	Tapraula	4	5	6	15
47	Mamurpur Gazi	Kashmiri Abbunasarapur	3	3	4	10
48	Mankua	Mankua	14	16	20	50
49	Manpur Rajja	Chak Shahjani	2	2	2	6
50	Mauzampur Suraj	Mauzampur Suraj	6	7	9	22
51	Mimla	Mimla-2	4	5	7	16
52	Mohammad Pur Biru	Wajidpur	5	6	7	18
53	Mohammad Parma	Mohammad Parma	8	10	12	30
54	Mozampur Zaitra	Mozampur Zaitra	54	64	82	200
55	Muhamadpur Sulatan	Hakimpur Shankarganj	7	8	10	25
56	Munimpur	Aminabad	27	32	42	101
57	Mohammad Alipur Bhikan	Mohammad Alipur Bhikan	16	19	24	59
58	Nagla Gunga	Mozampur Zaitra	7	8	11	26
59	Nanglasari	Basera Narayanpur	3	3	4	10
60	Nangli Ladan	Nangli Ladan	23	28	36	87
61	Nawada	Dhampur Hussainpur	18	22	28	68
62	Nawada Shahpur	Prithi Parbanwari	7	8	10	25
63	Neendu Khas	Neendu Khas	58	68	87	213
64	Pipalsana	Pipalsana	17	20	27	64
65	Prithi Parbanwari	Prithi Parbanwari	12	15	19	46
66	Raghunathpur	Sadullah Khanpur	2	2	2	6
67	Raipur Malihabad	Kashmiri Abbunasarapur	3	4	5	12
68	Raipur Malook	Raipur Malook	16	19	23	58
69	Rasulpur Imma	Gajupura	4	5	6	15
70	Rosanpur Raju	Chak Shahjani	1	1	1	3
71	Sadullah Khanpur	Sadullah Khanpur	5	6	8	19
72	Safar Shikoh Pur	Mauzampur Suraj	10	12	16	38
73	Sahabpur	Sadullah Khanpur	18	21	27	66
74	Sahanpur Navada	Prithi Parbanwari	7	8	10	25
75	Saidpuri Mehichand	Saidpuri Mehichand	7	8	11	26
76	Salawa	Salawa	9	11	15	35
77	Sarak Thal Madho	Mauzampur Suraj	6	7	10	23
78	Sedha	Sedha	15	18	22	55
79	Sedhi	Sedhi	12	15	19	46
80	Shahjadpur Taru	Sadullah Khanpur	3	4	5	12
81	Shekhpur Bhawra	Chak Shahjani	5	5	7	17
82	Shekhpur Piththa	Daulatpur Sukha	3	4	5	12
83	Tapraula	Tapraula	4	5	7	16
84	Tarkolimadan	Gajraula	2	3	3	8
85	Tibari	Tibari	30	36	45	111
86	Wajidpur	Wajidpur	10	12	16	38
	Total		877	1044	1334	3255

Source: PRA & Gram Panchayats.

3.17 Details about fuel used for cooking meal

Majority of the farmers (more than 60%) still use fire wood for cooking their meal. Only less than 6% has LPG. About 20% people use kerosene oil as fuel for cooking their meal. Gram Panchayat wise fuel used for cooking meal is given in the following table.

Sr.No.	Name of Village	Name of Gram Panchayat	Cooking gas (% of families)	Fire wood (% of families)	Cow dung cake (% of families)	Kerosene (% of families)
1	2	3	4	5	6	7
1	Aas Khera Shanjarpur	Aas Khera Shanjarpur	7%	75%	11%	7%
2	Abdul Malakpur	Purainy	5%	69%	20%	6%
3	Ajitpurdasi	Mankua	7%	81%	6%	6%
4	Aladinpur Bhogi	Aladinpur Bhogi	6%	62%	27%	5%
5	Aladinpur Kirat	Karamchand	5%	72%	19%	4%
6	Alipur_Bhatpura	Alipur_Bhatpura	6%	78%	10%	6%
7	Arazi Gopal Jot	Bara Khera Chauhan	5%	69%	21%	5%
8	Athaishekh	Athaishekh	4%	75%	18%	3%
9	Aurangshahpur	Aurangshahpur	7%	75%	11%	7%
10	Bamwali	Jamalpur Alam	5%	68%	22%	5%
11	Bara Khera Chauhan	Bara Khera Chauhan	4%	80%	8%	8%
12	Baseda Khemchand	Basera Narayanpur	3%	78%	12%	7%
13	Baseda Udar	Aladinpur Bhogi	6%	66%	20%	8%
14	Basera Khurd	Basera Khurd	8%	64%	18%	10%
15	Basera Narayanpur	Basera Narayanpur	6%	58%	28%	8%
16	Bhara Kheril Dugri	Kashmiri Abbunasarapur	10%	67%	16%	7%
17	Bhara Kherimma	Tapraula	7%	77%	10%	6%
18	Bhatpana Khushahalpur	Bhatpana Khushahalpur	6%	81%	5%	8%
19	Burhan Nagar	Pipalsana	7%	78%	6%	9%
20	Chak Shahjani	Chak Shahjani	5%	66%	19%	10%
21	Chaknindru	Neendu Khas	9%	80%	9%	2%
22	Daulatpur Sukha	Daulatpur Sukha	6%	72%	12%	10%
23	Dhampur Hussainpur	Dhampur Hussainpur	4%	79%	13%	4%
24	Gajupura	Gajupura	10%	70%	15%	5%
25	Hakeempur Narayan	Hakeempur Narayan	8%	54%	31%	7%
26	Hakikatpur_Govind	Saidpuri Mehichand	9%	65%	18%	8%
27	Hakimpur Chandan	Basera Narayanpur	6%	75%	13%	6%
28	Hakimpur Jassu	Prithi Parbanwari	9%	80%	10%	1%
29	Hakimpur Shankarganj Urf Madhaura	Hakimpur Shankarganj	8%	75%	12%	5%
30	Hara Ahmad Pur Jalal	Mimla-2	5%	76%	11%	8%
31	Ibrahimpur Lal	Ibrahimpur Lal	7%	65%	19%	9%
32	Jahangira Bad Milak	Jahangira Bad Milak	8%	62%	24%	6%
33	Jamalpur Alam	Jamalpur Alam	6%	68%	18%	8%
34	Jamalpur Bangar	Jamalpur Bangar	9%	71%	13%	7%
35	Kalali	Makrandpur Manak	6%	78%	10%	6%
36	Kalyanpur	Kalyanpur	4%	68%	23%	5%
37	Kand Kheri	Kirar Kheri	5%	55%	36%	4%
38	Kashmiri Abbunasarapur	Kashmiri Abbunasarapur	4%	60%	34%	2%
39	Khair kheda	Mozampur Zaitra	5%	70%	18%	7%
40	Kotra Tappa Kesho	Latif Ullapur	4%	70%	20%	6%

Sr.No.	Name of Village	Name of Gram Panchayat	Cooking gas (% of families)	Fire wood (% of families)	Cow dung cake (% of families)	Kerosene (% of families)
1	2	3	4	5	6	7
41	Kirar Kheri	Kirar Kheri	3%	72%	19%	6%
42	Latif Ullapur	Latif Ullapur	3%	73%	18%	6%
43	Machmar	Dhampur Hussainpur	4%	69%	21%	6%
44	Maharatpur Kala	Purainy	5%	70%	18%	7%
45	Makrandpur Manak	Makrandpur Manak	4%	68%	20%	8%
46	Malakpur	Tapraula	4%	72%	18%	6%
47	Mamurpur Gazi	Kashmiri Abbunarsarpur	5%	70%	19%	6%
48	Mankua	Mankua	4%	71%	18%	7%
49	Manpur Rajja	Chak Shahjani	4%	70%	20%	6%
50	Mauzampur Suraj	Mauzampur Suraj	3%	72%	19%	6%
51	Mimla	Mimla-2	8%	75%	12%	5%
52	Mohammad Pur Biru	Wajidpur	5%	76%	11%	8%
53	Mohammad Parma	Mohammad Parma	7%	65%	19%	9%
54	Mozampur Zaitra	Mozampur Zaitra	8%	62%	24%	6%
55	Muhamadpur Sulatan	Hakimpur Shankarganj	9%	71%	13%	7%
56	Munimpur	Aminabad	8%	79%	9%	4%
57	Mohammad Alipur Bhikan	Mohammad Alipur Bhikan	4%	71%	18%	7%
58	Nagla Gunga	Mozampur Zaitra	4%	69%	20%	7%
59	Nanglasari	Basera Narayanpur	7%	69%	18%	6%
60	Nangli Ladan	Nangli Ladan	4%	70%	20%	6%
61	Nawada	Dhampur Hussainpur	3%	73%	18%	6%
62	Nawada Shahpur	Prithi Parbanwari	5%	75%	15%	5%
63	Neendu Khas	Neendu Khas	4%	80%	10%	6%
64	Pipalsana	Pipalsana	7%	72%	10%	11%
65	Prithi Parbanwari	Prithi Parbanwari	6%	66%	15%	13%
66	Raghunathpur	Sadullah Khanpur	4%	69%	21%	6%
67	Raipur Malihabad	Kashmiri Abbunarsarpur	3%	73%	18%	6%
68	Raipur Malook	Raipur Malook	4%	69%	21%	6%
69	Rasulpur Imma	Gajupura	5%	70%	18%	7%
70	Rosanpur Raju	Chak Shahjani	4%	68%	20%	8%
71	Sadullah Khanpur	Sadullah Khanpur	6%	65%	20%	9%
72	Safar Shikoh Pur	Mauzampur Suraj	5%	70%	15%	10%
73	Sahabpur	Sadullah Khanpur	8%	80%	9%	3%
74	Sahanpur Navada	Prithi Parbanwari	3%	72%	19%	6%
75	Saidpuri Mehichand	Saidpuri Mehichand	8%	75%	12%	5%
76	Salawa	Salawa	5%	76%	11%	8%
77	Sarak Thal Madho	Mauzampur Suraj	7%	65%	19%	9%
78	Sedha	Sedha	8%	62%	24%	6%
79	Sedhi	Sedhi	6%	68%	18%	8%
80	Shahjadpur Taru	Sadullah Khanpur	9%	71%	13%	7%
81	Shekhpur Bhawra	Chak Shahjani	8%	79%	9%	4%
82	Shekhpur Piththa	Daulatpur Sukha	4%	71%	18%	7%
83	Tapraula	Tapraula	5%	76%	11%	8%
84	Tarkolimadan	Gajraula	7%	65%	19%	9%
85	Tibari	Tibari	8%	62%	24%	6%

Sr.No.	Name of Village	Name of Gram Panchayat	Cooking gas (% of families)	Fire wood (% of families)	Cow dung cake (% of families)	Kerosene (% of families)
1	2	3	4	5	6	7
86	Wajidpur	Wajidpur	8%	75%	12%	5%

Note: Partially using LPG.

Source: PRA & Gram Panchayats

3.18 Details of migration

People of the watershed migrate to the city and other areas for search of work mostly as unskilled/semi-skilled and skilled. On an average people migrate for 6 months or a year. Village wise migration of people for work is given in the following table:

Sr.No.	Name of Village	Name of Gram Panchayat	Out migration	
			Number with months	for which work
1	2	3	4	5
1	Aas Khera Shanjarpur	Aas Khera Shanjarpur	40, 3-6 months	Labour & Bakery Workers
2	Abdul Malakpur	Purainy	35, 3-6 months	Labour & Bakery Workers
3	Ajitpurdasi	Mankua	20, 3-6 months	Labour & Bakery Workers
4	Aladinpur Bhogi	Aladinpur Bhogi	10, 3-6 months	Labour & Bakery Workers
5	Aladinpur Kirat	Karamchand	10, 3-6 months	Labour & Bakery Workers
6	Alipur_Bhatpura	Alipur_Bhatpura	0, 3-6 months	Labour & Bakery Workers
7	Arazi Gopal Jot	Bara Khera Chauhan	20, 3-6 months	Labour & Bakery Workers
8	Athaishekh	Athaishekh	20, 3-6 months	Labour & Bakery Workers
9	Aurangshahpur	Aurangshahpur	40, 3-6 months	Labour & Bakery Workers
10	Bamwali	Jamalpur Alam	15, 3-6 months	Labour & Bakery Workers
11	Bara Khera Chauhan	Bara Khera Chauhan	40, 3-6 months	Labour & Bakery Workers
12	Baseda Khemchand	Basera Narayanpur	30, 3-6 months	Labour & Bakery Workers
13	Baseda Udar	Aladinpur Bhogi	0, 3-6 months	Labour & Bakery Workers
14	Basera Khurd	Basera Khurd	10, 3-6 months	Labour & Bakery Workers
15	Basera Narayanpur	Basera Narayanpur	95, 3-6 months	Labour & Bakery Workers
16	Bhara Kheril Dugri	Kashmiri Abbunasarapur	60, 3-6 months	Labour & Bakery Workers
17	Bhara Kherimma	Tapraula	20, 3-6 months	Labour & Bakery Workers
18	Bhatpana Khushahalpur	Bhatpana Khushahalpur	5, 3-6 months	Labour & Bakery Workers
19	Burhan Nagar	Pipalsana	5, 3-6	Labour & Bakery

Sr.No.	Name of Village	Name of Gram Panchayat	Out migration	
			Number with months	for which work
1	2	3	4	5
			months	Workers
20	Chak Shahjani	Chak Shahjani	15, 3-6 months	Labour & Bakery Workers
21	Chaknindru	Neendu Khas	70, 3-6 months	Labour & Bakery Workers
22	Daulatpur Sukha	Daulatpur Sukha	25, 3-6 months	Labour & Bakery Workers
23	Dhampur Hussainpur	Dhampur Hussainpur	0, 3-6 months	Labour & Bakery Workers
24	Gajupura	Gajupura	0, 3-6 months	Labour & Bakery Workers
25	Hakeempur Narayan	Hakeempur Narayan	30, 3-6 months	Labour & Bakery Workers
26	Hakikatpur_Govind	Saidpuri Mehichand	0, 3-6 months	Labour & Bakery Workers
27	Hakimpur Chandan	Basera Narayanpur	0, 3-6 months	Labour & Bakery Workers
28	Hakimpur Jassu	Prithi Parbanwari	40, 3-6 months	Labour & Bakery Workers
29	Hakimpur Shankarganj Urf Madhaura	Hakimpur Shankarganj	55, 3-6 months	Labour & Bakery Workers
30	Hara Ahmad Pur Jalal	Mimla-2	40, 3-6 months	Labour & Bakery Workers
31	Ibrahimpur Lal	Ibrahimpur Lal	30, 3-6 months	Labour & Bakery Workers
32	Jahangira Bad Milak	Jahangira Bad Milak	25, 3-6 months	Labour & Bakery Workers
33	Jamalpur Alam	Jamalpur Alam	45, 3-6 months	Labour & Bakery Workers
34	Jamalpur Bangar	Jamalpur Bangar	0, 3-6 months	Labour & Bakery Workers
35	Kalali	Makrandpur Manak	10, 3-6 months	Labour & Bakery Workers
36	Kalyanpur	Kalyanpur	0, 3-6 months	Labour & Bakery Workers
37	Kand Kheri	Kirar Kheri	30, 3-6 months	Labour & Bakery Workers
38	Kashmiri Abbunasarpur	Kashmiri Abbunasarpur	25, 3-6 months	Labour & Bakery Workers
39	Khai kheda	Mozampur Zaitra	10, 3-6 months	Labour & Bakery Workers
40	Kotra Tappa Kesho	Latif Ullapur	15, 3-6 months	Labour & Bakery Workers
41	Kirar Kheri	Kirar Kheri	45, 3-6 months	Labour & Bakery Workers
42	Latif Ullapur	Latif Ullapur	30, 3-6 months	Labour & Bakery Workers
43	Machmar	Dhampur Hussainpur	0, 3-6 months	Labour & Bakery Workers
44	Maharatpur Kala	Purainy	20, 3-6 months	Labour & Bakery Workers
45	Makrandpur Manak	Makrandpur Manak	10, 3-6 months	Labour & Bakery Workers

Sr.No.	Name of Village	Name of Gram Panchayat	Out migration	
			Number with months	for which work
1	2	3	4	5
46	Malakpur	Tapraula	20, 3-6 months	Labour & Bakery Workers
47	Mampurpur Gazi	Kashmiri Abbunasarpur	50, 3-6 months	Labour & Bakery Workers
48	Mankua	Mankua	35, 3-6 months	Labour & Bakery Workers
49	Manpur Rajja	Chak Shahjani	40, 3-6 months	Labour & Bakery Workers
50	Mauzampur Suraj	Mauzampur Suraj	20, 3-6 months	Labour & Bakery Workers
51	Mimla	Mimla-2	40, 3-6 months	Labour & Bakery Workers
52	Mohammad Pur Biru	Wajidpur	30, 3-6 months	Labour & Bakery Workers
53	Mohammad Parma	Mohammad Parma	50, 3-6 months	Labour & Bakery Workers
54	Mozampur Zaitra	Mozampur Zaitra	30, 3-6 months	Labour & Bakery Workers
55	Muhamadpur Sulatan	Hakimpur Shankarganj	0, 3-6 months	Labour & Bakery Workers
56	Munimpur	Aminabad	25, 3-6 months	Labour & Bakery Workers
57	Mohammad Alipur Bhikan	Mohammad Alipur Bhikan	50, 3-6 months	Labour & Bakery Workers
58	Nagla Gunga	Mozampur Zaitra	55, 3-6 months	Labour & Bakery Workers
59	Nanglasari	Basera Narayanpur	10, 3-6 months	Labour & Bakery Workers
60	Nangli Ladan	Nangli Ladan	20, 3-6 months	Labour & Bakery Workers
61	Nawada	Dhampur Hussainpur	10, 3-6 months	Labour & Bakery Workers
62	Nawada Shahpur	Prithi Parbanwari	5, 3-6 months	Labour & Bakery Workers
63	Neendu Khas	Neendu Khas	15, 3-6 months	Labour & Bakery Workers
64	Pipalsana	Pipalsana	30, 3-6 months	Labour & Bakery Workers
65	Prithi Parbanwari	Prithi Parbanwari	10, 3-6 months	Labour & Bakery Workers
66	Raghunathpur	Sadullah Khanpur	15, 3-6 months	Labour & Bakery Workers
67	Raipur Malihabad	Kashmiri Abbunasarpur	20, 3-6 months	Labour & Bakery Workers
68	Raipur Malook	Raipur Malook	25, 3-6 months	Labour & Bakery Workers
69	Rasulpur Imma	Gajupura	10, 3-6 months	Labour & Bakery Workers
70	Rosanpur Raju	Chak Shahjani	15, 3-6 months	Labour & Bakery Workers
71	Sadullah Khanpur	Sadullah Khanpur	45, 3-6 months	Labour & Bakery Workers
72	Safar Shikoh Pur	Mauzampur Suraj	40, 3-6 months	Labour & Bakery Workers

Sr.No.	Name of Village	Name of Gram Panchayat	Out migration	
			Number with months	for which work
1	2	3	4	5
73	Sahabpur	Sadullah Khanpur	30, 3-6 months	Labour & Bakery Workers
74	Sahanpur Navada	Prithi Parbanwari	15, 3-6 months	Labour & Bakery Workers
75	Saidpuri Mehichand	Saidpuri Mehichand	20, 3-6 months	Labour & Bakery Workers
76	Salawa	Salawa	25, 3-6 months	Labour & Bakery Workers
77	Sarak Thal Madho	Mauzampur Suraj	10, 3-6 months	Labour & Bakery Workers
78	Sedha	Sedha	15, 3-6 months	Labour & Bakery Workers
79	Sedhi	Sedhi	45, 3-6 months	Labour & Bakery Workers
80	Shahjadpur Taru	Sadullah Khanpur	40, 3-6 months	Labour & Bakery Workers
81	Shekhpur Bhawra	Chak Shahjani	30, 3-6 months	Labour & Bakery Workers
82	Shekhpur Piththa	Daulatpur Sukha	80, 3-6 months	Labour & Bakery Workers
83	Tapraula	Tapraula	10, 3-6 months	Labour & Bakery Workers
84	Tarkolimadan	Gajraula	95, 3-6 months	Labour & Bakery Workers
85	Tibari	Tibari	60, 3-6 months	Labour & Bakery Workers
86	Wajidpur	Wajidpur	20, 3-6 months	Labour & Bakery Workers

3.19 PRA (Participatory Rural Appraisal)

Participatory rural appraisal (PRA) is an approach used by people to gather information on various aspects from the community in an organized manner without the use of any structured questionnaire. The approach aims to incorporate the knowledge and opinions of rural people in the planning and management of development of projects and programmes. The details of PRA conducted in the watershed along with few photographs are given in the following table:

3.20 List of agencies/projects/schemes presently working in the watershed

The information is given in following table. There are about 5 agencies undertaking welfare activity in watershed.

Agencies/projects/schemes presently working in the watershed			
Sl. No.	Name of the agencies/projects/schemes	Sponsoring Agency	Main activity
1	MGNREGA	MORD	Rojgar Scheme
2	ATMA(agriculture)	MOA(agriculture)	Crop Production, Tool Implement Distribution
3	Horticulture Mission	MOA(agriculture)	Floriculture ,Vegetable and Plantation
4	SGSY /NRLM	MoRD	Self Employment
5	Regional Fund	State Government	Rural Development

3.21 People institution

3.21.1 Details of list of SHGs formed

The village wise details of SHG formed in the watershed are given in following table. These SHG are mostly in the sector of live stock or handicraft.

3.22 List of UGs formed

3.23 List of members of the Watershed Committee (WC)

The details of member of watershed committee are given below.

Name of Villages	Name of the member	Fathers/Husband's name	Category	Mobile number	Remarks
Baseda Narayan	Usman Ali				
	Rajeev Kumar				
	Ravindra Singh				
	Balcharan Singh				
	Yashpal Singh				
	Naresh Kumar				
	Khurshid Ahmad				
	Samarpal				
	Dulari Devi				
	Afas Nisar				
Kalyanpur	Rajeev Kumar				
	Rakesh Kumar				
	Tikam Singh				
	Zubair				
	Raees				
	Rashid				
	Rampal Singh				
	Ravida				
	Pramod Kumar				
	Said Mahichand	Rajeev Kumar			
Vinod Kumar					
Ashok Kumar					
Om Prakash					
Gajraj Singh					
Chattarpal Singh					
Rakesh					
Shafeekan					
Rekhsa Devi					
Dhakka Kramchnd(2B4D3h3b)		Ashok Kumar			
	Napendra Singh				
	Pawan Singh				
	Om Pal				
	Amar Singh				
	Dharampal Singh				
	Sher Singh				
	Kamlansh Devi				
	Kiran Devi				
Milak Jahangeerabad	Ashok Kumar				
	Sevaram				
	Harishchandra				
	Rajkumar				
	Heera Singh				
	Ramavtar Singh				
	Ramchndra				
	Suman Devi				
	Vinesh Kumar				

Name of Villages	Name of the member	Fathers/Husband's name	Category	Mobile number	Remarks
Jamalpur Alam	Ashok Kumar				
	Jagdeesh Kumar				
	Satyaveer				
	Komal				
	Vijayapal Singh				
	Ranveer				
	Kishan Singh				
	Guddi				
Mimla	Suneeta Devi				
	Amjad				
	Samar Singh				
	Bheem Singh				
	Ashok Kumar				
	Lal Singh				
	Nauvihar Singh				
	Heer Singh				
Sedhi	Reshma Devi				
	Mohit Kumar				
	Ashok				
	Jaipal				
	Shiv Kumar				
	Bhupendra Singh				
	Ram Kumar				
	Sunder				
Aladeen Bhatpura (2B4D3h3d)	Praveen				
	Choti				
	Lakhan Singh				
	Anmol Kumar				
	Dileep Singh				
	Rakesh				
	Vishamber Singhy				
	Prem Singh				
Gajupura	Virendra Kumar				
	Aadesh				
	Kamlesh Devi				
	Jagveer Singh				
	Anmol Kumar				
	Satyaveer Singh				
	Gopi Chandra				
	Virendra Singh				
Prithvipur Banwari	Yashpal Singh				
	Vaavu Singh				
	Mukesh Kumar				
	Aneeta				
Prithvipur Banwari	Satyaveer Singh				
	Anmol Singh				
	Pawan Kumar				
	Ramesh Chandra				
Prithvipur Banwari	Vineet Kumar				

Name of Villages	Name of the member	Fathers/Husband's name	Category	Mobile number	Remarks
	Hariraj Singh				
	Jas Ram				
	Fal Singh				
	Kesho Devi				
	Aditya Kumar				
Maujjampur Jitra	Anmol Kumar				
	Manoj Kumar				
	Sangram Singh				
	Hareesh Kumar				
	Ompal Singh				
	Ramu				
	Bhopal Singh				
	Seema				
	Kamlesh Devi				
Dhampur Hussainpur	Anmol Kumar				
	Jitendra Kumar				
	Sarjeet Singh				
	Hariraj Singh				
	Rajey Singh				
	Ghanshyam Singh				
	Mangal Singh				
	Veena				
	Khoob Singh				
Chak Shahjani	Anmol Kumar				
	Satyaveer Singh				
	Vinod Kumar				
	Raghuveer Singh				
	Yogendra Singh				
	Praveen Kumar				
	Rajpal				
	Seeta Devi				
	Reeta Devi				
Pipal Sanana	Anmol Kumar				
	Vijaya Pal				
	Tilak Singh				
	Anvar				
	Arun Kumar				
	Suresh Kumar				
	Om Prakash				
	Mamta				
	Ehsan Ahmad				
Rampur Malook	Amjad				
	Dharma Pal Singh				
	Raees Ahmad				
	Gangaram				
	Yakoob Khan				
	Phool Chandra				
	Irfan Ahmad				
	Ganga Deyi				
	Sanjay Kumar				

Name of Villages	Name of the member	Fathers/Husband's name	Category	Mobile number	Remarks
Verkheda Chauhn	Amjad				
	Mukesh Kumar				
	Anoop Singh				
	Devraj				
	Brahmvati				
	Sompal				
	Pushpendra				
	Shakuntla Devi				
Bhatiyana Kushalpur	Rajeev Kumar				
	Amjad				
	Parvendra				
	Ramchandra				
	Khalil Ahmad				
	Naresh Kumar				
	Mahendra Singh				
	Santosh Devi				
Kirar Khedi	Khursheeda Khatoon				
	Amjad Khan				
	Amir Hasan				
	Mohd. Umar				
	Shahid				
	Kale Khan				
	Shameem				
	Noor Jahan				
Taprauli	Harful Singh				
	Amjad Khan				
	Ram Singh				
	Ajay Kumar				
	Kuldeep Singh				
	Vikas Kumar				
	Lalita Prasad				
	Thakre Devi				
Kashmiri Abbu Naseerpur (2B4D3h1c)	Dulari Devi				
	Tahir Hussain				
	Mansoor Ahmad				
	Noor Ahmad				
	Raees				
	Bhagwana				
	Rambhari Singh				
	Natthan				
Sedha	Furkaan				
	Fakhrun-nisa				
	Samra Khatoon				
	Amjad				
	Prem Singh				
	Kailash				
Sedha	Aavudeen				
	Azeez-ur-rehman				
	Tasleem Ahmad				
	Habeeb Ahmad				

Name of Villages	Name of the member	Fathers/Husband's name	Category	Mobile number	Remarks
	Jareesa				
	Krishn Pal Singh				
	Sharavan Singh				
Daultpur Sukha(2B4D3e3c)	Lokendra Singh				
	Mahendra Pal singh				
	Haneef Ahmad				
	Shareef Ahmad				
	Om Prakash				
	Chandra Prakash				
	Shakeela				
	Vijya Pal Singh				
	Shravan Kumar				
Mankua	Kishori Lal				
	Ram Prasad				
	Sageer Ahmad				
	Dharamveer Singh				
	Satyapal Singh				
	Chotti				
	Purnima Devi				
	Shravan Kumar				
	Laal Bahadur				
Mojjampur Sooraj	Rajendra Singh				
	Daal Chandra				
	Guddu				
	Indrajeet				
	Sehdev				
	Kusumlata				
	Roshan Jahan				
	Nasir Jaleel				
	Raees Ahmad				
Needdu Khas (2B4D3h3a)	Naseem Ahmad				
	Anees Ahmad				
	Israar				
	Mohd. Farooq				
	Yunus Khan				
	Nasir Jaleel				
	Anees Ahmad				
Vajidpur	Mohd. Mohsin				
	Furkan Ahmad				
	Naeem Ahmad				
	Maksood Ahmad				
	Smt. Sohan Devi				
	Mahipal Singh				
	Nasir Jaleel				
	Sukhlal				
Mohd. Allipur Bhikkan	Baburam				
	Naresh Kumar				
	Manoj Kumar				
	Rajesh Singh				

Name of Villages	Name of the member	Fathers/Husband's name	Category	Mobile number	Remarks
	Rohitash Singh				
	Javitri Devi				
	Magan Singh				
	Nasir Jaleel				
	Anand Singh				
Sadullah Khanpur	Sudheer Kumar				
	Madanpal Singh				
	Rupesh Kumar				
	Manoj Kumar				
	Naresh Kumar				
	Shamla Devi				
	Pushpa Devi				
	Shravan Kumar				
	Pratap Singh				
Lateef-ullahpur	Manjeet Kumar				
	Kalwa				
	Yograj				
	Jagdeesh Kumar				
	Chandrapal				
	Rachna				

3.24 Gram Panchayat wise area under different crops

Gram panchayat wise area (ha) under various crops of different season															
Sl. No.	Name of Gram panchayat	Total area	Paddy	Pulses	Kharif	Wheat	Pulses	Oilseed	Maiz	Rabi	Zaid puls	Zaid oilseed	Zaid vegeta ble	Zaid	Total sown area
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Aas Khera Shanjarpur	377.43	60.74	40.50	101.24	67.49	50.62	40.50	43.87	202.48	13.50	16.87	3.37	33.75	337.47
2	Aladinpur Bhogi	548.52	89.20	59.46	148.66	99.11	74.33	59.46	64.42	297.32	19.82	24.78	4.96	49.55	495.54
3	Alipur Bhatpura	168.55	28.47	18.98	47.45	31.64	23.73	18.98	20.56	94.91	6.33	7.91	1.58	15.82	158.18
4	Aminabad	152.03	22.98	15.32	38.31	25.54	19.15	15.32	16.60	76.61	5.11	6.38	1.28	12.77	127.69
5	Athaishekh	10.72	1.93	1.29	3.22	2.14	1.61	1.29	1.39	6.43	0.43	0.54	0.11	1.07	10.72
6	Aurangshahpur	62.81	10.06	6.71	16.77	11.18	8.39	6.71	7.27	33.55	2.24	2.80	0.56	5.59	55.91
7	Bara Khera Chauhan	205.54	33.51	22.34	55.85	37.24	27.93	22.34	24.20	111.71	7.45	9.31	1.86	18.62	186.18
8	Basera Khurd	30.5	5.49	3.66	9.15	6.10	4.58	3.66	3.97	18.30	1.22	1.53	0.31	3.05	30.5
9	Basera Narayanpur	414.21	60.52	40.35	100.87	67.24	50.43	40.35	43.71	201.73	13.45	16.81	3.36	33.62	336.22
10	Bhatpana Khushahalpur	74.11	11.67	7.78	19.45	12.97	9.73	7.78	8.43	38.90	2.59	3.24	0.65	6.48	64.84
11	Chak Shahjani	385.7	44.34	29.56	73.90	49.27	36.95	29.56	32.02	147.80	9.85	12.32	2.46	24.63	246.33
12	Daulatpur Sukha	253.13	41.93	27.96	69.89	46.59	34.94	27.96	30.28	139.78	9.32	11.65	2.33	23.30	232.96
13	Dhampur Hussainpur	92.16	16.06	10.71	26.77	17.85	13.38	10.71	11.60	53.54	3.57	4.46	0.89	8.92	89.23
14	Gajraula	51	8.88	5.92	14.80	9.87	7.40	5.92	6.41	29.60	1.97	2.47	0.49	4.93	49.33
15	Gajupura	183.6	25.26	16.84	42.10	28.06	21.05	16.84	18.24	84.19	5.61	7.02	1.40	14.03	140.32
16	Hakeempur Narayan	96.33	15.16	10.11	25.27	16.85	12.64	10.11	10.95	50.54	3.37	4.21	0.84	8.42	84.24
17	Hakimpur Shankarganj	115.96	16.33	10.89	27.21	18.14	13.61	10.89	11.79	54.43	3.63	4.54	0.91	9.07	90.71
18	Ibrahimpur Lal	85.06	13.79	9.20	22.99	15.33	11.49	9.20	9.96	45.98	3.07	3.83	0.77	7.66	76.63
19	Jahangira Bad Milak	145.21	23.53	15.69	39.22	26.15	19.61	15.69	17.00	78.44	5.23	6.54	1.31	13.07	130.74
20	Jamalpur Alam	263.75	42.97	28.65	71.62	47.75	35.81	28.65	31.04	143.24	9.55	11.94	2.39	23.87	238.74
21	Jamalpur Bangar	126.23	20.63	13.76	34.39	22.93	17.19	13.76	14.90	68.78	4.59	5.73	1.15	11.46	114.63
22	Kalyanpur	26.58	2.95	1.97	4.92	3.28	2.46	1.97	2.13	9.84	0.66	0.82	0.16	1.64	16.4
23	Karamchand	395.41	66.20	44.13	110.33	73.55	55.17	44.13	47.81	220.66	14.71	18.39	3.68	36.78	367.77

Gram panchayat wise area (ha) under various crops of different season															
Sl. No.	Name of Gram panchayat	Total area	Paddy	Pulses	Kharif	Wheat	Pulses	Oilseed	Maiz	Rabi	Zaid puls	Zaid oilseed	Zaid vegetable	Zaid	Total sown area
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
24	Kashmiri Abbunasarpur	128.59	19.19	12.80	31.99	21.33	15.99	12.80	13.86	63.98	4.27	5.33	1.07	10.66	106.63
25	Kaudupura	57.57	8.70	5.80	14.49	9.66	7.25	5.80	6.28	28.99	1.93	2.42	0.48	4.83	48.31
26	Kirar Kheri	166.32	27.23	18.15	45.38	30.26	22.69	18.15	19.67	90.77	6.05	7.56	1.51	15.13	151.28
27	Latif Ullapur	283.29	49.42	32.95	82.37	54.92	41.19	32.95	35.70	164.75	10.98	13.73	2.75	27.46	274.58
28	Majhera Sakru	6.18	0.11	0.07	0.18	0.12	0.09	0.07	0.08	0.35	0.02	0.03	0.01	0.06	0.59
29	Makrandpur Manak	26.88	4.84	3.23	8.06	5.38	4.03	3.23	3.49	16.13	1.08	1.34	0.27	2.69	26.88
30	Mankua	260.2	41.26	27.51	68.77	45.84	34.38	27.51	29.80	137.53	9.17	11.46	2.29	22.92	229.22
31	Mauzampur Suraj	245.12	41.09	27.39	68.49	45.66	34.24	27.39	29.68	136.97	9.13	11.41	2.28	22.83	228.29
32	Mimla-2	441.95	72.19	48.13	120.32	80.21	60.16	48.13	52.14	240.63	16.04	20.05	4.01	40.11	401.05
33	Mohammad Alipur Bhikan	162.81	25.36	16.91	42.27	28.18	21.14	16.91	18.32	84.55	5.64	7.05	1.41	14.09	140.91
34	Mohammad Parma	119.38	19.78	13.19	32.97	21.98	16.49	13.19	14.29	65.94	4.40	5.50	1.10	10.99	109.9
35	Mozampur Zaitra	370.6	46.21	30.81	77.01	51.34	38.51	30.81	33.37	154.03	10.27	12.84	2.57	25.67	256.71
36	Nangli Ladan	41.75	7.16	4.77	11.93	7.95	5.96	4.77	5.17	23.85	1.59	1.99	0.40	3.98	39.75
37	Neendu Khas	366.97	55.13	36.75	91.88	61.26	45.94	36.75	39.82	183.77	12.25	15.31	3.06	30.63	306.28
38	Pipalsana	482.01	77.46	51.64	129.11	86.07	64.55	51.64	55.95	258.21	17.21	21.52	4.30	43.04	430.35
39	Prithi Parbanwari	301.51	41.18	27.45	68.64	45.76	34.32	27.45	29.74	137.27	9.15	11.44	2.29	22.88	228.79
40	Purainy	84.32	11.52	7.68	19.20	12.80	9.60	7.68	8.32	38.41	2.56	3.20	0.64	6.40	64.01
41	Raipur Malook	232.06	38.59	25.72	64.31	42.87	32.16	25.72	27.87	128.62	8.57	10.72	2.14	21.44	214.37
42	Sadullah Khanpur	316.06	53.75	35.83	89.59	59.72	44.79	35.83	38.82	179.17	11.94	14.93	2.99	29.86	298.62
43	Saidpuri Mehichand	36.36	4.38	2.92	7.30	4.87	3.65	2.92	3.16	14.60	0.97	1.22	0.24	2.43	24.33
44	Salawa	22.94	4.13	2.75	6.88	4.59	3.44	2.75	2.98	13.76	0.92	1.15	0.23	2.29	22.94
45	Sedha	150.23	24.51	16.34	40.85	27.23	20.42	16.34	17.70	81.69	5.45	6.81	1.36	13.62	136.15
46	Sedhi	250.58	42.66	28.44	71.09	47.40	35.55	28.44	30.81	142.19	9.48	11.85	2.37	23.70	236.98
47	Tapraula	246.77	43.08	28.72	71.81	47.87	35.90	28.72	31.12	143.61	9.57	11.97	2.39	23.94	239.35
48	Tibari	22.69	1.50	1.00	2.50	1.67	1.25	1.00	1.08	5.00	0.33	0.42	0.08	0.83	8.34

Gram panchayat wise area (ha) under various crops of different season															
Sl. No.	Name of Gram panchayat	Total area	Paddy	Pulses	Kharif	Wheat	Pulses	Oilseed	Maiz	Rabi	Zaid puls	Zaid oilseed	Zaid vegetable	Zaid	Total sown area
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
49	Wajidpur	178.91	27.14	18.10	45.24	30.16	22.62	18.10	19.60	90.48	6.03	7.54	1.51	15.08	150.8
	Total	9266.59	1450.20	966.80	2417.01	1611.34	1208.50	966.80	1047.37	4834.01	322.27	402.83	80.57	805.67	8056.69

3.25 Existing Engineering Works

The details of existing engineering works are given below. Field bunding and contour bunding are mostly noticeable in the area.

3.26 Details of Common Property Resources (CPR)

Details of Common property are provided below. This is mostly used for fuel wood and fodder. There is no management followed in these areas.

Name of Gram Panchayat	Type of CPR	Area (ha)	Under the possession of	Existing use*	Existing condition**
Aas Khera Shanjarpur	Vegetative Cover /Ponds/Pasture ✓	2.56	Gram Panchayat	fuel wood, fodder	no management
Aladinpur Bhogi	Vegetative Cover /Ponds/Pasture ✓	0.75	Gram Panchayat	fuel wood, fodder	no management
Alipur_Bhatpura	Vegetative Cover /Ponds/Pasture ✓	1.41	Gram Panchayat	fuel wood, fodder	no management
Bara Khera Chauhan	Vegetative Cover /Ponds/Pasture ✓	0.30	Gram Panchayat	fuel wood, fodder	no management
Bhatpana Khushahapur	Vegetative Cover /Ponds/Pasture ✓	2.20	Gram Panchayat	fuel wood, fodder	no management
Chak Shahjani	Vegetative Cover /Ponds/Pasture ✓	2.88	Gram Panchayat	fuel wood, fodder	no management
Gajupura	Vegetative Cover /Ponds/Pasture ✓	0.92	Gram Panchayat	fuel wood, fodder	no management
Hakimpur Shankarganj	Vegetative Cover /Ponds/Pasture ✓	0.73	Gram Panchayat	fuel wood, fodder	no management
Ibrahimpur Lal	Vegetative Cover /Ponds/Pasture ✓	0.57	Gram Panchayat	fuel wood, fodder	no management
Jahangira Bad Milak	Vegetative Cover /Ponds/Pasture ✓	0.19	Gram Panchayat	fuel wood, fodder	no management
Jamalpur Alam	Vegetative Cover /Ponds/Pasture ✓	0.86	Gram Panchayat	fuel wood, fodder	no management
Jamalpur Bangar	Vegetative Cover /Ponds/Pasture ✓	0.19	Gram Panchayat	fuel wood, fodder	no management
Kalyanpur	Vegetative Cover /Ponds/Pasture ✓	0.94	Gram Panchayat	fuel wood, fodder	no management
Karamchand	Vegetative Cover /Ponds/Pasture ✓	6.50	Gram Panchayat	fuel wood, fodder	no management
Kashmiri Abbunasarpur	Vegetative Cover /Ponds/Pasture ✓	0.68	Gram Panchayat	fuel wood, fodder	no management
Kaudupura	Vegetative Cover /Ponds/Pasture ✓	0.50	Gram Panchayat	fuel wood, fodder	no management
Kirar Kheri	Vegetative Cover /Ponds/Pasture ✓	3.20	Gram Panchayat	fuel wood, fodder	no management
Latif Ullapur	Vegetative Cover /Ponds/Pasture ✓	1.09	Gram Panchayat	fuel wood, fodder	no management
Mankua	Vegetative Cover /Ponds/Pasture ✓	0.89	Gram Panchayat	fuel wood, fodder	no management
Mimla-2	Vegetative Cover /Ponds/Pasture ✓	2.20	Gram Panchayat	fuel wood, fodder	no management
Mohammad Alipur Bhikan	Vegetative Cover /Ponds/Pasture ✓	2.21	Gram Panchayat	fuel wood, fodder	no management
Mozampur Zaitra	Vegetative Cover /Ponds/Pasture ✓	3.90	Gram Panchayat	fuel wood, fodder	no management
Nangli Ladan	Vegetative Cover /Ponds/Pasture ✓	0.00	Gram Panchayat	fuel wood, fodder	no management
Neendu Khas	Vegetative Cover /Ponds/Pasture ✓	3.21	Gram Panchayat	fuel wood, fodder	no management
Pipalsana	Vegetative Cover /Ponds/Pasture ✓	0.70	Gram Panchayat	fuel wood, fodder	no management
Prithi Parbanwari	Vegetative Cover /Ponds/Pasture ✓	1.00	Gram Panchayat	fuel wood, fodder	no management

Name of Gram Panchayat	Type of CPR	Area (ha)	Under the possession of	Existing use*	Existing condition**
Raipur Malook	Vegetative Cover /Ponds/Pasture ✓	1.64	Gram Panchayat	fuel wood, fodder	no management
Sadullah Khanpur	Vegetative Cover /Ponds/Pasture ✓	1.59	Gram Panchayat	fuel wood, fodder	no management
Saidpuri Mehichand	Vegetative Cover /Ponds/Pasture ✓	0.49	Gram Panchayat	fuel wood, fodder	no management
Sedha	Vegetative Cover /Ponds/Pasture ✓	0.83	Gram Panchayat	fuel wood, fodder	no management
Sedhi	Vegetative Cover /Ponds/Pasture ✓	3.00	Gram Panchayat	fuel wood, fodder	no management
Tapraula	Vegetative Cover /Ponds/Pasture ✓	1.05	Gram Panchayat	fuel wood, fodder	no management
Wajidpur	Vegetative Cover /Ponds/Pasture ✓	1.45	Gram Panchayat	fuel wood, fodder	no management
Total		50.61			

3.27 Existing package of practices of crops

Existing package of practices of crops is given in the following table.

Crop	Variety	Seed rate (Kg/ha)	Line sowing/ broadcasting	NPK Rate (Kg/ha)	FYM (Kg/ha)	Plant protection		Yield (Kg/ha)	
						Chemical	Biological	Grain	By product
Paddy	Sarju-52, Saket, Shakkar cheeni, Lalmati	50	Transplantation	100:30:0	Nil	√	Nil	2500	1500
Maize	Tarun	35	broadcasting	80:30:0	Nil	Nil	Nil	3000	1000
Bajara	Varsa	5	broadcasting	40:20:0	Nil	Nil	Nil	800	2500
Black gram	Pantu-30, T-9	20	broadcasting	20:20:0	Nil	Nil	Nil	500	500
Green gram	PDM-54, PDM-11	20	broadcasting	20:20:0	Nil	Nil	Nil	400	500
Pigeon pea	Local	20	broadcasting	20:20:0	Nil	Nil	Nil	1000	4000
Wheat	PBW-343, Lok-1, Malvia-234	150	broadcasting	100:30:0	Nil	Nil	Nil	2500	2500
Lintel	T-36	20	broadcasting	15:20:0	Nil	Nil	Nil	700	700
Mustard	Kranti, Vardan	5	broadcasting	40:20:0	Nil	√	Nil	700	1000
Pea	Arkle, P-3	75	broadcasting	30:20:0	Nil	√	Nil	1200	1500
Potato	Chipsona, Kufari Bahar, Kufari Badshah	2500	Line sowing	100:40:0	5000 Kg	√	Nil	10000	Nil
Onion	Local	5	Line sowing	100:40:0	Nil	√	Nil	5000	Nil

3.28 Existing crop rotation

Village	Existing crop rotation
Ishiya, Rampur Saduli, Amawa, Churwa, Dostpur, Neemteekar, Saraura	1. Rice-Wheat/
Bannawa, Kalvi Kheda, Mubarakpur Sapv., Pastaur, Rain, Rajamau, Sekhpur Samodha	Urd/Moong/Maize/Bajra/Sorghum/ Toria/
Ichauli, Ishiya, Kurri, Newa, Rampur Saduli, Sabji, Saraura, Sekhpur Samodha	Muatard
Ichauli, Newa, Sabji, Sekhpur Samodha, Udarhara	2. Rice-Vegetable
Darehta, Ichauli, Madar kheda, Mainahar katra, Newa, Rajamau, Udarhara	3. Vegetable- Wheat/
Amawa, Bachrawan, Darheta, Dostpur, Ichauli, Isiya, Kasrawan, Mahroura, Mainahar katra,	Urd/Moong/Maize/Bajra/Sorghum/ Toria/
Malhipur, Neemteekar, Rajamau, Saidpur behta, Saraura, Sekhpur Samodha, Todarpur	Mustard
Mainahar katra, Mubarakpur Sapu, Pastaur, Rain, Rajamau, Saidpur behta, Sekhpur Samodha	

3.29 Existing package of practices of orchard

Package of practices of existing orchard is provided in following table.

Crop	Species	Plants per ha	Spacing (m*m)	NPK (gm./plant)	FYM (Kg/plant)	Plant protection		Yield	
						Chemical	Biological	(Kg/plant)	(Kg/ha)
Mango	Dusehari, Chausa, Lucknow-Safeda, Langra, Husanara, Malika, Amarpali, Bombay Green(Malda), Jauhari	100	10*10	500-600(N), 200-250(P), 200-250 (K)	10-20	Spray gramaxone @6 ml/l, Spray glyphoset@ 10 ml/l	Weeding and hoeing	50	5000
Guava	Lucknow -49(Sardar), Lalit, Allahabad Safeda, Red Fleshed, Seedless,	196	7*7	400-500(N), 150-200(P), 100-200(K)	10-20	Spray gramaxone @6 ml/l, Spray glyphoset@ 10 ml/l	Weeding and hoeing	40	7840
Lemon	Kalmi, Deshi	-	-	-	-	-	-	-	-
Aonla	Kalmi, Deshi	-	-	-	-	-	-	-	-
Jamun	-	-	-	-	-	-	-	-	-
Ber	Deshi	-	-	-	-	-	-	-	-
Bel	Deshi	-	-	-	-	-	-	-	-
Custard apple	Deshi	-	-	-	-	-	-	-	-

3.30 Livestock population

S.N.	Name of Villages	Name of Gram Panchayat	Buffalo	Cow	Bullock	Goat	Sheep	Poultry	Pig
1	2	3	4	5	6	7	8	9	10
1.	Ajitpurdasi	Mankua	752	499	20	50	0	50	0
2.	Aladinpur Bhatpura	Aladinpur Bhatpura	1320	1042	70	0	69	0	0
3.	Aladinpur Kirat	Karamchand	15850	8426	165	479	0	803	147
4.	Aladinpurbhogi	Aladinpur Bhogi	3120	2042	152	50	69	94	8
5.	Alipur Nagla	Mozampur Zaitra	170	120	4	0	0	0	0
6.	Amkhera Shajarpur	Aas Khera Shanjarpur	4394	1258	0	217	0	242	31
7.	Arajigopaljot	Bara Khera Chauhan	821	314	0	17	0	26	0
8.	Athaishekh	Bara Khera Chauhan	7046	238	0	141	0	348	48
9.	Aurang Shahpur Gangadhar	Aurang Shahpur Gangadhar	747	457	0	33	0	115	4
10.	Bahera Chouhan	Bara Khera Chauhan	70	20	20	50	0	0	0
11.	Bamnoli	Jamalpur Alam	100	50	70	10	0	80	0
12.	Basera Khem Chand	Basera Narayanpur	400	255	30	90	0	0	0
13.	Basera Khurd	Basera Khurd	467	331	20	90	0	6	0
14.	Basera Narain	Basera Narayanpur	783	605	75	15	0		0
15.	Basera ubar	Aladinpur Bhogi	1008	595	20	24	0	60	8
16.	Bhara Kherimma	Tapraula	840	350	0	0	0	0	0
17.	Bharakheri Urf Dugri	Bharakheri Urf Dugri	10054	2983	250	927	0	692	183
18.	Bhati1An Khushalpur	Bhatpana Khushahalpur	2495	257	0	109	0	95	0
19.	Burhannagar	Pipalsana	1881	566	0	46	0	64	0
20.	Chak Shahjani	Chak Shahjani	539	420	80	50	0	0	0
21.	Chaknindru	Neendu Khas	91	124	20	50	0	0	0
22.	Daulat Pur Sukha	Daulatpur Sukha	903	1065	50	125	0	67	10
23.	Dhampur	Chak Shahjani	2482	1124	0	284	0	280	0
24.	Dhampur Husainpur (CT)	Dhampur Hussainpur	125	76	2	5	0	60	0
25.	Gaju Pura	Gajupura	1815	746	18	14	0	61	11
26.	Hakikatpur Govind	Saidpuri Mehichand	70	20	50	50	0	0	0
27.	Hakikatpur Sahu	Prithi Parbanwari	495	40	24	50	0	52	0
28.	Hakimpur Nara1An	Hakeempur Narayan	90	120	10	0	0		0

S.N.	Name of Villages	Name of Gram Panchayat	Buffalo	Cow	Bullock	Goat	Sheep	Poultry	Pig
1	2	3	4	5	6	7	8	9	10
29.	Hakimpurchandan	Basera Narayanpur	730	292	0	291	0	610	45
30.	Hakimpurshan Karganj	Hakimpur Shankarganj	120	185	4	0	0	0	0
31.	547	Mimla-2	230	240	15	20	0	0	0
32.	Ibrahimpur Lal	Ibrahimpur Lal	573	125	32	5	0	12	0
33.	Jahangira Bad k	Neendu Khas	178	118	0	0	0	0	0
34.	Jamalpur Alam	Jamalpur Alam	545	808	16	135	0	268	6
35.	Jemalpur Banger	Jamalpur Bangar	88	34	3	83	0	196	0
36.	Kalali	Makrandpur Manak	611	653	10	96	0	180	2
37.	Kalyanpur	Kalyanpur	934	416	30	30	0	17	8
38.	Kand Kheri	Kirar Kheri	56	50	40	20	0	200	0
39.	Kashmiri Abbunasarapur	Kashmiri Abbunasarapur	3006	2256	0	66	0	68	12
40.	Khai Khera	Mozampur Zaitra	58	50	10	0	0		0
41.	Kotra Tappa Kesho	Latif Ullapur	775	240	31	0	0	100	0
42.	Latifullapur	Latif Ullapur	90	150	4	0	0	0	0
43.	Machhmar	Dhampur Hussainpur	141	64	0	0	0	20	0
44.	Maharatpur Kala	Purainy	24	60	4	0	0		0
45.	Makrandpur Manak	Makrandpur Manak	900	357	8	36	0	155	0
46.	Malakpur	Tapraula	871	234	0	45	0	97	0
47.	Malakpur Abdulla	Purainy	825	128	22	40	0	175	10
48.	Mamurpur Gazi	Kashmiri Abbunasarapur	990	245	25	0	0	190	0
49.	Mankua	Mankua	75	50	0	0	0	0	0
50.	Manpur Rajja	Chak Shahjani	48	60	5	0	0	0	0
51.	Mimla	Mimla-2	250	25	25	0	0	50	0
52.	Mohammad Pur Biru	Wajidpur	1019	760	0	14	0	20	11
53.	Mohammad Pur Sultan	Hakimpur Shankarganj	263	100	4	42	0	10	0
54.	Mohammadpur Parma	Mohammad Parma	1226	1062	10	11	0	0	0
55.	Mozampur Suraj	Mauzampur Suraj	420	447	0	0	0	0	0
56.	Mozampur Zaitra	Mozampur Zaitra	163	20	0	0	0	0	0

S.N.	Name of Villages	Name of Gram Panchayat	Buffalo	Cow	Bullock	Goat	Sheep	Poultry	Pig
1	2	3	4	5	6	7	8	9	10
57.	Munimpur	Aminabad	19656	0	102	1464	110	3024	168
58.	Nanglasari	Basera Narayanpur	1208	302	16	8	0	0	0
59.	Nangli Ladan	Nangli Ladan	328	236		0	0	0	0
60.	Nawada	Dhampur Hussainpur	774	1039	70	6	0	0	19
61.	Nindru Khas	Neendu Khas	355	240	45	40	0	50	10
62.	Pipalsana	Pipalsana	778	112	20	37	0	189	82
63.	Prithi Parbanwari	Prithi Parbanwari	2905	674	0	314	0	300	0
64.	Raghunathpur	Sadullah Khanpur	1549	100	40	39	0	0	0
65.	Raipur Malihabad	Kashmiri Abbunasarpur	245	110	10	25	0	125	15
66.	Raipur Malook	Raipur Malook	4072	572	20	35	60	166	35
67.	Rasulpur Imma	Gajupura	70	60	10	80	10	80	40
68.	Rosanpur Raju	Chak Shahjani	168	150	10	29	0	32	10
69.	Sadulla Khanpur	Sadullah Khanpur	422	240	0	0	0	0	0
70.	Safar Shikoh Pur	Mauzampur Suraj	48	0	10	32	0	11	0
71.	Sahanpur Nawada	Prithi Parbanwari	31907	12223	411	1026	129	1908	369
72.	Sahanpur Nawada	Prithi Parbanwari	180	117	0	0	0	0	0
73.	Saidpuri Mehichand	Saidpuri Mehichand	5476	2066	100	29	0	0	292
74.	Salawa	Salawa	90	30	10	400	100	1000	50
75.	Sarak Thal Madho	Mauzampur Suraj	3657	1065	40	117	0	343	0
76.	Sedha	Sedha	275	699	30	19	0	208	0
77.	Sedhi	Sedhi	60	100	5	0	0	0	0
78.	Shahabpura	Sadullah Khanpur	1260	815	10	125	0	250	15
79.	Shahjadpur Taru	Sadullah Khanpur	88	18	0	44	0	36	0
80.	Shekhpur Bhawra	Chak Shahjani	827	405	0	5	0	5	0
81.	Shekhpur Piththa	Daulatpur Sukha	249	144	8	99	0	198	0
82.	Tapraula	Tapraula	1066	410	10	0	0	0	0
83.	Tarkolimadan	Gajraula	1075	947	0	2	0	0	0
84.	Tibri	Tibari	50	30	50	100	0	0	0
85.	Wazidpur	Wajidpur	78	65	1	0	0	10	0
Total			153053	56341	2476	7985	547	13498	1649

3.31 Average productivity of field crop /animal

Crop	Present Yield (Kg/ha)	
	Grain	By product
Paddy	2500	2500
Maize	3000	2000
Bajra	800	2500
Black gram	500	500
Green gram	400	500
Pigeon pea	1000	4000
Wheat	2500	2500
Lintel	700	700
Mustard	700	1000
Pea	1200	1500
Potato	10000	Nil
Onion	5000	Nil
Fodder	-	80000

3.32 Animal productivity

Animal productivity may be given as per table (give details for each village separately)

Animal	Breed	Average weight (kg)	Milk yield (Litre/day)	Meat (Kg/animal)	Egg per year	Fodder/Concentrate				
						Menger	Stall feeding / open grazing	Source of fresh fodder	Concent rate	Any other relevant information
Buffalo	210	300-350	2.50	-	-	-	3.5 kg fodder, 8kg Barseem, 4.6kg saeleg, 1.5kg jowar, 2kg khali, 5kg bone, 5kg salt	Farmer Field	-	-
Cow	180	200-250	1.50	-	-	-	3.5 kg fodder, 8kg	Farmer	-	-

Animal	Breed	Average weight (kg)	Milk yield (Litre/day)	Meat (Kg/animal)	Egg per year	Fodder/Concentrate				
						Menger	Stall feeding / open grazing	Source of fresh fodder	Concentrate	Any other relevant information
							Barseem, 4.6kg saeleg, 1.5kg jowar, 2kg khali, 5kg bone, 5kg salt	Field		
Bullock	-	250-350	-	-	-	-	3.5 kg fodder, 8kg Barseem, 4.6kg saeleg, 1.5kg jowar, 2kg khali, 5kg bone, 5kg salt	Farmer Field	-	-
Goat	-	10-15	-	7 – 10	-	-	1 kg whole grain, 1kg pelleted grain	Farmer Field -	-	-
Sheep	-	-	-		-	-	-	-	-	-
Pig	-	30-35	-	25 – 30	-	-	-	Farmer Field -	-	-
Poultry	-	2-3		2 – 3	250	-	-	Farmer Field -	-	-
Duck	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-

3.33 Existing trees in the Gram Panchayat

The existing trees under various Gram Panchayat are provided in following table.

Sl. No.	Name of Gram Panchayat	Along with River Side	Along with Perennia l Stream	Along with Seasona l Stream	Along with Canal	Along Road Side	Total
1	2	3	4	5	6	7	8
1	Aas Khera Shanjarpur	8	1	7	20	45	81
2	Aladinpur Bhogi	3	2	3	0	6	11
3	Alipur_Bhatpura	4	1	5	2	8	20
4	Aminabad	2	2	0	4	14	22
5	Athaishekh	3	0	0	0	12	15
6	Aurangshahpur	6	0	2	0	9	17
7	Bara Khera Chauhan	5	0	1	0	28	29
8	Basera Khurd	1	1	1	0	35	38
9	Basera Narayanpur	2	2	0	6	20	30
10	Bhatpana Khushahalpur	1	2	0	25	10	38
11	Chak Shahjani	4	2	4	10	15	35
12	Daulatpur Sukha	8	2	8	0	25	43
13	Dhampur Hussainpur		1	4	5	18	28
14	Gajraula	3	2	5	0	6	16
15	Gajupura	5	1	0	4	14	19
16	Hakeempur Narayan		2	5	2	0	9
17	Hakimpur Shankarganj	4	3	0	8	10	25
18	Ibrahimpur Lal	2	2	5	5	50	64
19	Jahangira Bad Milak	6	4	0	0	15	19
20	Jamalpur Alam		1	2	0	5	8
21	Jamalpur Bangar	5	0	4	0	10	19
22	Kalyanpur	4	6	4	0	18	32
23	Karamchand		5	2	0	12	19
24	Kashmiri Abbunasarapur	5	0	5	0	8	18
25	Kaudupura		0	3	6	10	19
26	Kirar Kheri	4	0	0	0	9	9
27	Latif Ullapur		2	5	3	11	21
28	Majhera Sakru	3	1	4	0	5	13
29	Makrandpur Manak	1	2	3	0	8	14
30	Mankua	2	4	5	7	10	28
31	Mauzampur Suraj	1	6	0	8	25	40
32	Mimla-2	4	5	3	0	65	77
33	Mohammad Alipur Bhikan	2	0	4	7	20	33
34	Mohammad Parma	3	0	5	8	10	26
35	Mozampur Zaitra	5	0	0	6	15	26
36	Nangli Ladan	4	3	18	0	16	41
37	Neendu Khas	2	2		17	8	29
38	Pipalsana	1	2	10	15	25	53

Sl. No.	Name of Gram Panchayat	Along with River Side	Along with Perennia l Stream	Along with Seasona l Stream	Along with Canal	Along Road Side	Total
1	2	3	4	5	6	7	8
39	Prithi Parbanwari	4	3	6	10	10	33
40	Purainy		2	5	0	8	15
41	Raipur Malook	2	3	3	6	10	24
42	Sadullah Khanpur	4	2	0	0	9	11
43	Saidpuri Mehichand	5	4	5	3	11	28
44	Salawa		5	4	0	5	14
45	Sedha	5	4	3	0	8	20
46	Sedhi	5	1	5	7	10	28
47	Tapraula	5	1	1	0	28	30
48	Tibari	3	1	1	0	35	40
49	Wajidpur			0	6	20	26
	Total	114	95	160	200	784	1353

3.34 Existing Grasses in the Gram Panchayat

Grasses exiting in the gram panchayat is given Below.					
Grass/herbs	Purpose	Location	Used for open grazing	Cut and carry	Yield
					(Kg per year per ha)
Doob	Animal Feed	All fields	Yes	Yes	1000
Tithali	Animal Feed	Pond side	no	Yes	500
Bhat kataiya	-	Bank of River	no	Yes	500
Motha	Animal Feed	All fields	no	Yes	800
Muraina	Animal Feed	Bank of River	no	Yes	1000
Gung	Animal Feed	Bank of River	no	Yes	1000
Bhadbhand	-	Bank of River	no	Yes	1000

3.35 Status of existing farm machinery and equipments

Sl. No.	Name of Gram Panchayat	Remarks (Individual/hiring basis)							
		Tractor	Plough	Harrow	Cultivator	Leveler	Sprayer	Seed drill	Thrasher
1	2	3	4	5	6	7	8	9	10
1	Aas Khera Shanjarpur	11	5	5	12	3	10		7
2	Aladinpur Bhogi	10	3	3	10	3	7		4
3	Alipur_Bhatpura	4	2	1	2	1	3		2
4	Aminabad	11	5	10	11	2	9		4
5	Athaishekh	3	1	1	1	0	1		1
6	Aurangshahpur	9	1	3	9	1	2		4
7	Bara Khera Chauhan	17	6	5	17	3	11	1	7
8	Basera Khurd	14	10	4	14	2	20		6
9	Basera Narayanpur	10	6	3	10	2	12		4
10	Bhatpana Khushahalpur	12	8	4	12	2	16		5

Sl. No.	Name of Gram Panchayat	Remarks (Individual/hiring basis)							
		Tractor	Plough	Harrow	Cultivator	Leveler	Sprayer	Seed drill	Thrasher
1	2	3	4	5	6	7	8	9	10
11	Chak Shahjani	5	4	2	2	1	7		2
12	Daulatpur Sukha	2	1	1	1	0	1		1
13	Dhampur Hussainpur	11	6	3	11	2	12		4
14	Gajraula	2	1	1	1	0	1		1
15	Gajupura	9	4	3	9	1	9		4
16	Hakeempur Narayan	4	1	1	2	1	2		2
17	Hakimpur Shankarganj	11	4	3	11	2	8		4
18	Ibrahimpur Lal	18	25	5	18	3	50	1	7
19	Jahangira Bad Milak	7	4	2	7	1	7		3
20	Jamalpur Alam	5	6	2	5	1	11		2
21	Jamalpur Bangar	9	7	3	9	1	15		4
22	Kalyanpur	11	6	3	11	2	11		4
23	Karamchand	7	3	2	3	1	5		3
24	Kashmiri Abbunasarapur	0	0	0	0	0	0		0
25	Kaudupura	21	9	6	21	3	19	1	8
26	Kirar Kheri	17	6	5	17	3	13		7
27	Latif Ullapur	0	0	0	0	0	0		0
28	Majhera Sakru	6	2	2	3	1	4		2
29	Makrandpur Manak	5	2	2	5	1	5	5	2
30	Mankua	13	4	4	13	2	8		5
31	Mauzampur Suraj	0	0	0	0	0	0		0
32	Mimla-2	12	17	4	12	2	35	1	5
33	Mohammad Alipur Bhikan	2	1	1	1	0	1		1
34	Mohammad Parma	0	0	0	0	0	0		0
35	Mozampur Zaitra	5	2	2	2	1	4	2	2
36	Nangli Ladan	8	5	2	8	1	9		3
37	Neendu Khas	3	1	1	1	0	2		1
38	Pipalsana	18	13	5	18	3	27	1	7
39	Prithi Parbanwari	15	6	8	15	4	12	1	3
40	Purainy	16	7	5	17	3	11		4
41	Raipur Malook	15	6	4	15	2	5	2	3
42	Sadullah Khanpur	18	12	5	11	2	17		2
43	Saidpuri Mehichand	10	9	2	5	1	8		3
44	Salawa	11	8	4	8	1	9	3	4
45	Sedha	10	4	5	9	0	11		6
46	Sedhi	5	5	4	7	1	6		7
47	Tapraula	8	4	2	8	2	8	2	5
48	Tibari	6	6	3	5	5	7		2
49	Wajidpur	12	5	1	6	2	5	1	3
	Total	438	253	147	395	75	456	21	170

3.36 Bench marking of project area

The information on soil health, water resources, land and agriculture etc is given in the following table.

Benchmarking of the Project															
Sl. No.	Indicator/ Sub Indicator	Basera Narayan		Dhakka Karamchandra		Aladipur Bhatpura		Needdu Khas		Daulatpur Sukhkha		Raipur Mulak		Kashmiri Abbu Naseerpur	
		Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	Soil health														
1	Soil organic carbon	0.15	0.55	0.12	0.13	0.11	0.12	0.1	0.12	0.13	0.135	0.12	0.13	0.11	0.12
2	Available N kg/ha	250	255	234	240	243	245	245	250	250	255	270	273	265	270
3	Available P kg/ha	5	5.2	6.2	6.3	4.5	5	5.2	5.24	4.6	4.65	4.3	4.4	4.7	4.78
4	Available K kg/ha	138		134		140.3		143		150		145		139	
5	Soil Erosion (Silt Load G/1000ml runoff)	1.5.0	1.4	NA		NA		2.9	2.5	3.87	2.9	3.98	2.8	4.13	3.5
B	Runoff/water status														
1	Stream Flow at 0.8 d , cum / sec (current meter)	0.35	0.32	NA		NA		0.38	0.035	0.35	0.32	0.45	0.4	0.5	0.45
2	Ground water level M before rainy season	10m	8m	9m	7m	8m	6m	14m	12m	12m	10m	8m	6m	9m	7m
3	Ground water level M after rainy season	11m	9m	10m	7m	7m	5m	15m	13m	13m	11m	8m	6m	10m	7m
4	Status of water body														
4.1	Spread area in ha	-		-		-		3.745	4.5	0.114	0.5	-		-	
4.2	Rejuvenation														
4.3	No.of waterbody														
C	Water availability														
1	Drinking water availability	Sufficient		Sufficient		Sufficient		Sufficient		Sufficient		Sufficient		Sufficient	

Benchmarking of the Project															
Sl. No.	Indicator/ Sub Indicator	Basera Narayan		Dhakka Karamchandra		Aladipur Bhatpura		Needdu Khas		Daulatpur Sukhkha		Raipur Mulak		Kashmiri Abbu Naseerpur	
		Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2	Soil moisture content														
D	Vegetation														
1	Tree cover%	23	30	20	30	20	30	21	30	20	30	18	25	15	25
2	Survival of number of plant	50	60	45	55	48	60	45	55	40	60	40	60	40	60
3	% family cultivating Ago forestry/Horticulture	20	25	18	23	18	23	15	20	15	20	14	20	13	18
4	Species richness(diversity)	Mango	Mango +Bel	Mango	Mango +Bel	Mango	Mango +Bel	Mango	Mango +Bel	Mango	Mango +Bel	Mango	Mango +Bel	Mango	Mango +Bel
E	Land and agriculture														
1	Fallow/waste land	96.96 ha		98.04 ha		48.83 ha		37.39 ha		22.77 ha		8.09 ha		27.74 ha	
2	crop Diversification index	0.75	0.9	0.7	0.9	0.6	0.9	0.56	0.9	0.65	0.8	0.5	0.8	0.55	0.8
3	Area coverage under HYV(%)	6	10	6	10	6	10	6	10	6	10	6	10	5	10
4	Irrigation (%)	221.75		516		362.93		322.92		131.64		214.47		147.44	
5	Area covered under micro irrigation	0	10	0	12	0	10	0	15	0	15	0	15	0	15
6	Demonstration of new technology(ha)	1	10	0.5	10	0.75	10	1.5	10	0	10	0.5	10	0.5	10
7	Adoption of INM/IPM/IDM	0.5		0		0.5		1		0		0		0	
F	Crop productivity(grain kg/ha)														
1	Paddy	2500	3000	2500	3000	2500	3000	2500	3000	2500	3000	2500	3000	2500	3000

Benchmarking of the Project															
Sl. No.	Indicator/ Sub Indicator	Basera Narayan		Dhakka Karamchandra		Aladipur Bhatpura		Needdu Khas		Daulatpur Sukhkha		Raipur Mulak		Kashmiri Abbu Naseerpur	
		Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2	Maiz	3000	3600	3000	3600	3000	3600	3000	3600	3000	3600	3000	3600	3000	3600
3	Bajara	800	960	800	960	800	960	800	960	800	960	800	960	800	960
4	Black gram	500	600	500	600	500	600	500	600	500	600	500	600	500	600
5	Green gram	400	480	400	480	400	480	400	480	400	480	400	480	400	480
6		1000	1200	1000	1200	1000	1200	1000	1200	1000	1200	1000	1200	1000	1200
7	Pigeon pea	2500	3000	2500	3000	2500	3000	2500	3000	2500	3000	2500	3000	2500	3000
8	Wheat		0		0		0		0		0		0		0
9	Lintel	700	840	700	840	700	840	700	840	700	840	700	840	700	840
10	Mustard	700	840	700	840	700	840	700	840	700	840	700	840	700	840
11	Pea	1200	1440	1200	1440	1200	1440	1200	1440	1200	1440	1200	1440	1200	1440
12	Potato	10000	12000	10000	12000	10000	12000	10000	12000	10000	12000	10000	12000	10000	12000
13	Onion	5000	6000	5000	6000	5000	6000	5000	6000	5000	6000	5000	6000	5000	6000
14	fodder green	80000	100000	80000	100000	80000	100000	80000	100000	80000	100000	80000	100000	80000	100000
15	buffalow milk /Lactation	1200	1440	1200	1440	1200	1440	1200	1440	1200	1440	1200	1440	1200	1440
16	Cow milk/ Lactation	1350	1620	1350	1620	1350	1620	1350	1620	1350	1620	1350	1620	1350	1620
17	Goat milk/ Lactation	150	180	150	180	150	180	150	180	150	180	150	180	150	180

Chapter 4: The problems and need of the area

4.1 Crop productivity/soil and land degradation, soil and water conservation problems

At present, the condition of the life of the people living in villages is gloomy. The problems of the villagers are many and varied. A lower productivity of main crops in most areas of the watershed, lack of diversification in agriculture from low value to high value crops, inadequate and inefficient infrastructure for development in rural areas and lesser employment generation in the other more remunerative sectors of the economy. Unless the development process in the state addresses these basic reasons in a satisfactory manner, the growth in agriculture and for that matter, in the economy as a whole will not pick up to the desirable level nor will the burden of population on agriculture for its livelihood reduce. There are several other factors, which require immediate consideration such as the consistent increases in the number and area of uneconomic and non-viable agricultural operational holdings, inadequate and inefficient irrigation network, inadequate development of rural infrastructure, more particularly of roads and lack of proper and adequate marketing and storage facilities with little contribution from agro-processing units.

About 61% people in the watershed are literate. 68% male and 52% female are literate. In comparison, females are less educated in number than males. Mass education should be spread by establishing more primary and secondary schools. It must be made both compulsory and free for the females and the males as well, so to improve the economic condition of the watershed. The economic condition of the people is not very encouraging as about 93% family of the watershed is landless, hence their livelihood depends upon the occasional employment they get in agriculture sector or the people of the watershed busy in making the furniture from bamboo wood or they migrate to the nearby city for day to day labour work, agriculture should be modernized, to get more benefit and profit in the agricultural sector. Vegetable and fruits preservation techniques need to be taught for the future use. Villagers should be educated regarding elementary hygiene and scientific method of cultivation, as to get healthy results of crop.

The family size in the villages ranged from six to eight with at least four children in most of the households. This holds true for all castes and religions. The high population growth rate has translated into a high rate of unemployment. The family planning programmes implemented through the public health centers (PHCs) and serviced by the ANMs are reported to be working well. However, these services need to be improved.

In the district of Bijnor, the disparity is clearly seen with highly progressive and prosperous farmers as well as poor tribal farmers who seem to be totally unresponsive to any of the above programmes. Tribal farmers still grow indigenous crops with low yields, low marketed surplus and low farm incomes; they consequently find it hard to save. These farmers also operate on a low capital base in spite of tribal credit facilities that are available to them now that commercial banks have been nationalized. Another major reason is the attitude and values of tribal people to the whole business of farming and the use of modern agricultural inputs such as HYV seeds, fertilizers, irrigation, machinery and credit from outside the farm. In order to take appropriate policy measures to mitigate the poverty and backwardness of tribal farmers, it is essential to identify and quantify the socio-economic factors behind their situation.

Females of the watershed help in farm operations and cut wood from the forest. They also keep cows, buffaloes and poultry. They also keep kitchen gardens, collect tendu patta, make ropes and do carpentry. It is the women who make purchases from the market and decide on the finances involved in the marriages of their children. Thus the women have the dominating role in the district. The women are keen observers of festivals and like to visit fairs. Both men and women smoke and drink on a large scale. In their leisure time, they get together in small groups and discuss village affairs and casual scandals.

There is the manufacturing of cane & bamboo product like furniture etc. Various cottage and small-scale industries in the district are dependent on the supply of different kinds of cane and reeds. Cane is also found in abundance almost throughout the state. There are a few more varieties of bamboo and cane used for manufacturing of different products. A kind of muli bamboo locally known as 'muli bazail' is used for making umbrella handles. Two other varieties of bamboo locally known as 'Mrithinga' and 'Bethua' and different varieties of canes locally known as 'sundi', 'barjali', 'harua', 'golla' etc. are required for making furniture and baskets. Various types of cane and bamboo products are found in this state. The people of the plains and hills districts of Bijnor have their own bamboo and cane products with distinctive features and typical designs. The products of the plain districts differ from that of the hill districts in use, shape and design.

It is found that a variety of products like bamboo mats, sital pati, baskets of various sizes and shapes, winnowing trays, sieves, japi or chatta, various types of fishing implements, etc. are manufactured in large numbers in the plains districts of the state. The cane and bamboo products used for domestic purposes are prepared in every nook and corner of the state out of split bamboo and fine flexible cane strips.

Every Watershed should have a hospital or a primary health centre for providing medical aids to the villagers. Rural banking should be set up for financial assistance to the village people. A good network of roads is the first and foremost requirement for development. It not only makes it easier to transport goods and services but also saves on time as well as costs. Moreover, it facilitates the flow of information and knowledge. The construction of rural roads and programmes of village connectivity have received considerable attention in the past few years in the state.

4.2 Socio-economical problems and gaps

Income generation, economic growth and environmental security were identified as the major issues to be addressed in the watershed area. Average productivity of major crops like wheat, paddy, potato and sugarcane in district Bijnor is higher as compare to the state's average productivity, excepting average productivity of oilseeds, in the district, compaterd to that of the state. Despite higher productivity of cereals, potato and sugarcane, majority of farmers in the district are facing acute problems due to small land holdings and irregular payment by sugarcane factory owners, weather plays a crucial role here. After months of hard work, when the crop is ready to be harvested, untimely rains just damage the yield which leads to huge losses. Agriculture being a labour intensive job, people spends so much of time in the fields yet it ends up giving negligible returns at times. The village needs to have co-operative societies and government assistance to regulate buying and selling of agricultural produce. Most of the farmers go to the nearby town to sell their products at throw away prices and later small shops from this village buy it from those traders, who sell it at much higher prices. So ironically people in the village end up paying more for their own produce. So it is becoming very important to find an alternate and steady income.

It has been observed during survey that drainage system in almost all the villages is very bad. Polluted water flows in the open drainage, which is the source of mosquitoes and related diseases in the area. Out of total surveyed villages, only five villages having all weather Pucca roads. In rest of the villages, condition of road is very poor, which is full of garbage in both the sides. Heap of garbage is the cause of many diseases in the area. Health facilities are very inadequate in the rural areas. No primary health centres (PHCs) or sub-centres are located within the village or nearby villages. People have to go to block headquarters for treatment. The frequency of visit of medical officer, lady health visitor and malaria inspector is less in almost all villages in the district.

Government schools are poorly maintained and drop out cases are alarming. It becomes even serious as we move from primary level to the higher levels. Children have been sent to the schools only to receive scholarship and mid-day-meal (MDM). Most of the children are forced to earn money by their parents largely due to poverty. Maximum girls in the watershed have left the schools after upper primary due to unavailability of higher secondary schools in the village or nearby villages. Higher secondary schools are far away from villages (average 5 km.). Due to social reasons, girls are forced to stay back in their houses and learn the traditional domestic chores. Landless and marginal farmers have been pushed in the background, and they are depending on agricultural labour and rudimentary village industries with no surety of regular employment. Irrigation by canal and government wells is almost negligible in the district. Most of the irrigation is done by private tube wells.

4.2.1 Details of SWOT Analysis

Details of Strength, Weakness, Opportunities and Threats (SWOT) are given below.

Parameter	Strengths	Weaknesses	Opportunities	Threats
Community	<ol style="list-style-type: none"> 1. Women's active involvement in farm related activities, in handivraft works from bamboo woods. 2. Household is significant feature and women are involved in most of the operation in agriculture including subsidiary enterprises like dairy and poultry etc. 3. Most of the women farmers irrespective of their category are hard working in the farm activities and have excellent knowledge of agriculture. 	<ol style="list-style-type: none"> 1. Lack exposure of knowledge of banking and credit cooperatives. 2. Women do not have much say on policy issues of the activities. 3. Limitation of technically trained female extension workers. 4. Female workers do not impart knowledge on household activities, child care, nutrition etc. 5. Unequal wages between male and female workers. 6. Role of women in the watershed programme is not specified. 	<ol style="list-style-type: none"> 1. Making of self help groups with small savings and provision of loans by revolving fund on small enterprises related to the agriculture. 2. Awareness among the women to improve their skill and knowledge of micro-watershed based development programme. 3. Watershed development team has technical women to train women of watershed and availability of some voluntary organizations for the purpose. 4. More and more women are coming forward to carry out development work in micro- watershed. 5. Women's potential and capabilities have not been exploited due to lack of specific growth opportunities 	<ol style="list-style-type: none"> 1. Change in social functioning and relationship. 2. Male farmers may not provide opportunities to farm women for more rights.
Physical infrastructure	<ol style="list-style-type: none"> 1. Good network of road 2. Electrified village 3. Primary and Secondary School building 	<ol style="list-style-type: none"> 1. Lack of sufficient road side plantation. 2. Insufficient electricity supply. 	<ol style="list-style-type: none"> 1. Plants are available in nearby nurseries. 	<ol style="list-style-type: none"> 1. Unauthorized forest dwelling.
Facility	<ol style="list-style-type: none"> 1. Availability of school, Angan Wadi Centres (AWC), hospital and drinking water. 2. Fair educational status of the villagers 	<ol style="list-style-type: none"> 1. Poor animal health facilities. 	<ol style="list-style-type: none"> 1. Market opportunity due to nearness of Lucknow city. 	<ol style="list-style-type: none"> 1. Quality control and adulteration.

Technology	<ol style="list-style-type: none"> 1. Farmers know the concept of cash crops 2. Villagers know the importance of natural resource 3. Project area has number of institutions under Central/ State Govt. viz. ICAR, CSIR, SIRD, SAU's Agriculture college, and Technical university etc to backup the development programmes. 	<ol style="list-style-type: none"> 1. No significant efforts have been made to generate women specific and women friendly farm technologies. 2. Technical knowhow is low. 3. Communication gap. 4. Lack of technical personnel at block /grass root level. 	<ol style="list-style-type: none"> 1. Great desire for the use of modern techniques in agriculture. 2. Scope of new cropping pattern and irrigation methods/ soil improvement /development of cash crops and horticulture. 3. Conservation and utilization of natural resources (with particular reference to water and forest). 4. Compact areas having cheap, hardworking and labour force. 5. Adequate availability of raw material for processing industries. 6. The activity will encourage the export of fruits, vegetables which will provide better returns to the farmers as well as foreign exchange. 7. The approach will also be helpful in minimizing the post harvest losses during the handling of produce. 	<ol style="list-style-type: none"> 1. Reduced productivity in the absence of improved technology. 2. Inadequate infrastructure for quality management and quarantine. 3. Degradation of environmental issues with respect to safe/organic produce for consumers.
Livelihood	<ol style="list-style-type: none"> 1. Market are available for skilled and unskilled labor 2. Most of the farmers are small and marginal. 3. Some households have livestock. 	<ol style="list-style-type: none"> 1. Lack of awareness regarding pre and post harvest management practices. 2. Lack of proper marketing infrastructure and strong marketing system having forward and backward linkages. 3. Prevalence of traditional cropping systems, substantial increase in area, production and productivity in major crops since last plan period. 	<ol style="list-style-type: none"> 1. Vast opportunity to attract youth towards farming sector. 2. Great opportunities in dairy, farming practices, horticulture, poultry, fruit preservation and other sectors. 3. If provided with livelihood options the income level of the households can be increased livelihood status and Quality of life. 	<ol style="list-style-type: none"> 1. Reduced productivity in the absence of improved technology. 2. Less interest in agriculture.

Micro-Enterprises and production systems	<ol style="list-style-type: none"> 1. People have the basic skills. 2. Organized microenterprise activities exists in the area 3. Natural resources for enhancing microenterprises and production are available in the watershed. 	<ol style="list-style-type: none"> 1. Lack of management skills. 2. Lack of technical support. 3. Lack of organized marketing facilities. 4. Lack of producer federation. 	<ol style="list-style-type: none"> 1. If provided good technical support and motivation, they can run the units in an organized way and income level will increase. 	<ol style="list-style-type: none"> 1. Farmers may loose interest in agriculture.
Natural Resources	<ol style="list-style-type: none"> 1. Productive land and flora and fauna. 	<ol style="list-style-type: none"> 1. Prevalence of soil erosion. 2. No maintenance of water storage bodies. 	<ol style="list-style-type: none"> 1. If used advanced techniques like field bunding and use of organic manure, productivity may be increase. 2. Construction of water storage tank for irrigation. 3. Enhancing micro-irrigation 	<ol style="list-style-type: none"> 1. Ground water may go down
Soil	<ol style="list-style-type: none"> 1. Availability of good agricultural lands. 	<ol style="list-style-type: none"> 1. Susceptible to erosion 	<ol style="list-style-type: none"> 1. Large tract of alluvial soil in the basin of River Gomati. 	<ol style="list-style-type: none"> 1. Development of soil sickness due over use of chemicals.
Flow of water	<ol style="list-style-type: none"> 1. Good rain fall and perennial river is available. 	<ol style="list-style-type: none"> 1. Local catchment inflow is disturbed by the road. 	<ol style="list-style-type: none"> 1. Streams can be rejuvenated. 	<ol style="list-style-type: none"> 1. More competition for water.
Agriculture	<ol style="list-style-type: none"> 1. Provides income and employment. 2. Has potential to increase productivity. 3. Availability of natural/ man-made resources 	<ol style="list-style-type: none"> 1. Lack of irrigation facilities. 2. Lack of organic farming practices. 3. Lack of awareness regarding innovative technique of crop production. 	<ol style="list-style-type: none"> 1. If provided with proper irrigation, considerable increase in agriculture production. 2. Increasing demand for organic products. 	<ol style="list-style-type: none"> 1. Dairy and live stock may be reduced.
Horticulture	<ol style="list-style-type: none"> 1. Favorable climate for horticultural activities. 2. Good market facility is available for horticultural produce. 	<ol style="list-style-type: none"> 1. Unavailability of new varieties. 2. Lack of export facilities. 3. Lack of storage facilities. 4. Slow promotion of processing of horticultural produce, value addition and less availability of processing industries in the sector. 	<ol style="list-style-type: none"> 1. Availability of good land. 2. Interest of the villagers to Expand horticulture activities. 3. Increasing price level. 	<ol style="list-style-type: none"> 1. Rapid climate change
Animal husbandry	<ol style="list-style-type: none"> 1. Favorable environment for rearing cow and goats. 2. Many households are engaged 	<ol style="list-style-type: none"> 1. Lack of fodder availability. 2. Lack of advanced cattle bread. 3. Low level of milk production 	<ol style="list-style-type: none"> 1. Providing more advanced cattle breeds can increase the milk production and enhance their 	<ol style="list-style-type: none"> 1. Animal diseases. 2. Excessive grazing on degraded and small

	in dairy and live stock. 3. Provides income and employment	4. Lack of Knowledge base regarding scientific cattle management. 5. Lack of efficient technology in the area specific and technical knowledge at various levels.	subsidiary livelihood option. 2. Promotion of nursery raising and pasture development will address the lack of fodder availability. 3. Pasture development.	community lands.
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4.2.2 Details of gap analysis

The gap analysis is given below.

S.N	Gaps	Strategies to overcome the gap
A	Paddy	
1	Delayed transplanting.	Adapt SRI
2	Inadequate plant population in traditional cultivation methods.	1. Adapt 20x15 or 20x10 cm for traditional method and 30x30 or 25x25 cm for SRI method.
3	Lack SRI method	Promote SRI
4	Heavy yield losses due to delayed weeding.	1. Promoting use of butachlore/ pendime thaline/ bangiocarp one weak after transplanting. 2. Weeding with cona weeder 15-20 days after transplanting
5	Attack of insects-stem borer, plant hoppers, gandhi bug etc.	1. Timely transplanting. 2. Use of pesticide in proper time.
6	Disease incidence-Khaira disease, blast, leaf bright, false smut, brown spot.	1. Use of zinc. 2. Use of fungicide.
7	Labour crises for weeding, transplanting and harvesting.	1. Use paddy transplanter. 2. Promote mechanization.
8	No use of cona weeder.	Promote conaweeder
9	Crop damages due to flooding, water-logging and drought (erratic rainfall).	1. First irrigation 2 days after transplantation 2. Keeping moist soil condition.

10	Widespread deficiency of Zn, and Fe.	Use Zn, and Fe.
11	Imbalance crop nutrition.	Judicious use of organic matter and chemical fertilizer
12	Low percentage of seed replacement.	Promote seed replacement.
B. Wheat		
1	Considerable area under late sowing.	Timely sowing
2	Disease incidence-leaf blight, smut, ear cockle, karnal bunt, rusts.	Use of fungicide
3	Weed menace-Phalaris minor, wild oat and other weeds.	Use of isoproturone or other weedicide
4	Mostly flood irrigation.	Use of basin irrigation method
5	Lack of suitable varieties for rainfed and late sown conditions.	Sowing of late sown variety like -DBW-14, HUW-234, Triveni (K-8020, Narendra wheat—1014 and K-9423
6	Imbalance fertilizer use.	Judicious use of organic matter and chemical fertilizer
7	Mostly cereal based cropping system followed (Rice-wheat or Maize-Wheat)	Leguminous crop must be included in crop rotation
8	Less use of organic manures.	Judicious use of organic matter and chemical fertilizer.
9	Inadequate power supply for irrigation and threshing.	Use alternate resources
10	Labour shortage during harvesting	Use harvesting equipment.

Chapter 5: Recommended management programme

5.1 Arable land (rainfed/irrigated)

5.1.1 Agronomic practices

- i. High yielding variety
- ii. Major crops proposed/rotations/cultural operations/recommended conservation practices/proposed manures and fertilizers, green manuring
- iii. Use of improved implements
- iv. Plant protection measures
- v. Yield and cost of cultivation of major crops
- vi. Irrigation

5.1.2 Engineering measures in arable land (Class wise *i.e.* I, II, III and IV)

- i. Proposed measure and its justification
- ii. Specification of individual measures with plan and design calculation
- iii. Drawing with plan, section, elevation may be give
- iv. Estimate of the work

Note: Engineering design o f each work will include hydrological design, hydraulic design and structural design

5.2 Non Aarble land

5.2.1 Agronomic practices of Orchard and plantation

- i. Type of orchard/plant with spacing, pit size, soil working and planting
- ii. Fencing type
- iii. Management practice
- iv. Cost of raising orchard/plantation
- v. Yield.

5.2.2 Engineering measures in non arable land (Class wise *i.e.* V, VI, VII, and VIII)

- i. Proposed measure and its justification
- ii. Specification of individual measures with plan and design calculation
- iii. Drawing with plan, section, elevation may be give
- iv. Estimate

Note: Engineering design o f each work will include hydrological design, hydraulic design and structural design

5.2.3 Diversion drain/interceptor drain/grossed waterway

- i. Alignment of each drain to be shown on map
- ii. Design (cross section of each)
- iii. Estimate

Note: Engineering design o f each work will include hydrological design, hydraulic design and structural design

Chapter 6: Proposed interventions

6.1 Soil management and landuse

Deteriorating soil health is a serious problem in project area. Not only the organic matter is low but also imbalance of major nutrients NPK and micronutrients have telling effect on crop yields. The large part of cow dung is being used as fuel and not for farmyard manure. To improve upon the soil health and nutrient imbalances, two components are proposed:

- Improving soil health through green manuring.
- Demonstrating nutrient management through Integrated Nutrient Management (INM) system.

Above two components are proposed to be run as given below:

(i) Enrichment of organic carbon content using green manuring

- Green manuring can be an important intervention to cope up with the problem.
- Green manure crops such as daincha, sunhemp, and cowpea etc not only fix nitrogen but also add organic carbon. It is proposed to provide seeds of green manure crops to selected farmers.

(ii) Establishment of Integrated Nutrient Management (INM) system

Balanced use of plant nutrients is essential for sustainable intensification of agriculture. The goal of INM is to promote balanced use of plant nutrients, so as to increase crop productivity in an efficient manner. Few demonstrations of 0.40 ha will be conducted in every gram panchayat.

6.2 Efficient use of water resources and management

Since the availability of water supply is the major constraint in the project area, there is an urgent need to promote water conservation and efficient on farm water management practices to improve the productivity per unit of water consumed. Under this programme the following components are proposed:

(i) Adoption and promotion of precision farming techniques through micro irrigation

Micro irrigation system enhances irrigation and water use efficiency. It also helps in increasing the fertilizer use efficiency. Being one of the main components of precision farming, it can be of great help for small and marginal farmers. Under capacity building module this component will be addressed.

(ii) Demonstration cum training of ridge and furrow system and SRI of paddy cultivation for increasing water use efficiency and eco-friendly cultivation

Paddy is generally cultivated in puddle fields and is transplanted in standing water. Recently a new technique “transplanting of paddy seedlings on both sides of ridges under non puddled conditions” has been reported to have given good yield with only 50 percent quantity of water use along with efficient utilization of added plant nutrients and better micro-climate which reduces the incidence of pests and diseases. Also, this method improves the soil texture and soil health, with lesser pollution of ground water. The weed problem under this technique can effectively be controlled with the use of new herbicide (s) and with no residual effects on succeeding crops. In this method, bed planter is used for preparing ridges on well-prepared field. Three to four weeks old seedlings of paddy are transplanted on both sides of ridges, keeping a distance of fifteen centimeters between the seedlings, ten centimeter above the

bottom of the furrow. Thus 33 seedlings per square meter will be maintained as in case of conventional transplanting. It is proposed to conduct demonstrations of this technology to convince the farmers that water can be saved in paddy cultivation without compromising with the yield. Similarly SRI will be useful to save water and fertilizer without compromising crop yield. Each gram panchayat will be provided a bed planter for conducting demonstrations and a total sum of Rs. 30,000.00 shall be spent on each of such trainings.

6.3 Seed and planting material

Seed is the most crucial agriculture input for improving the production and productivity of crops. Better seed replacement ratio coupled with proper seed treatment can largely contribute to improve the yield of crops per unit area. Similarly availability of high quality planting material for horticulture crops can improve their productivity. The following interventions are proposed to be taken up under this programme:

(i) Establishment of seed treatment and demonstrations units at gram panchayats level for early and high germination rate to increase crop yield

The concept of seed treatment is the use and application of biological and chemical agents that control or contain primary soil and seed borne infestation of insects and diseases which pose devastating consequences to crop production. Seed treatment ensures crop safety, leading to establishment of healthy and vigorous plants resulting in better yields. The benefits of seed treatment are as follows:

1. Increased germination
2. Ensures uniform seedling emergence.
3. Protect seeds or seedlings from early season diseases and insect pest thereby improving crop emergence and its growth.
4. Improved plant population and thus higher productivity.

Presently, 70% requirement of seed is met from the farmer's own stock which goes for sowing without seed treatment. The demonstrations and training on seed treatment will be conducted at gram panchayat level. The demonstrations will be conducted in 0.25 ha area and the farmers will be trained simultaneously on the techniques of seed treatment. Component of seed demonstration unit are:

Item	Area/Number	Cost in Rs
Fungicides	0.4 ha	50
Seed treating Drums	One	1150
Operational Charges/ demonstration (Rs. 2000 /demonstration)	0.4ha	2000
Total	-	3200

(ii) Production and supply of quality seeds and planting material for improvement of seed replacement rate (SRR)

The major field and horticultural crops of the project area are wheat, potato, pulses, rice and vegetables, where replacement of seed and planting material can boost the production and productivity. This programme is required to be taken up in a project mode. Except for hybrids maize, rice and vegetable crops, the farmers can produce the certified seed/ foundation seed stage-2. It is proposed that the farmer may get his crop inspected, so

that instead of certified seed, he is able to produce foundation seed stage-2 so as to meet the desired seed replacement requirement. The government may provide foundation seed to one fifth of the farmer every year. The seed produced by these farmers will be supplied to the next group of farmers during subsequent years.

To support nutritional kitchen garden as well as production of high value crops by small and marginal farmers, special emphasis is required to be given to provide high quality vegetable seeds to the farmers.

(iii) Seed replacement

Seed is the single most critical input in production. High quality seed is likely to increase production by 10 -15 % with following additional benefits:

- Quality seed and planting material will become available to the small and marginal farmers particularly of high value crops to boost their profitability.
- The seed borne diseases and insects can be controlled at a minimum cost by seed treatment and it is expected that farmers of all strata will be benefited and their income shall be raised by 10 - 30 %.
- Proper management of insect pest and diseases by seed treatment will reduce environmental pollution.
- High quality planting material will result in better quality of horticultural and agricultural produce, thus higher returns to the farmers.

6.4 Technology dissemination

The present agriculture extension system is not designed to meet out the integrated requirement of the farmers. It is required that for reaching out every farm unit a new programme *i.e.* based on information and communication technology (ICT) be adopted. The outline of the programme is given here under:

(i) Publication and mass campaign for resource development of agri and allied sector using ICT

The publication, training and mass campaign system has a vital role in the overall development of agriculture and allied sector. According to the multidimensional needs of the farmers, the publication, awareness and mass campaign with the full support by training will provide extra and latest information to the farmers in their respective fields as and when required. Therefore, to make timely available and proper use of printing materials and electronic media related to every modern technology can be passed on very quickly up to the grass root level (learning by doing and seeing by doing) and to cover every village of the entire project area.

(ii) Farmers study tour within and outside the state for exposure and motivation towards commercialized agriculture

In order to induce competitive instinct in the minds of farmers of lesser developed areas, it is essential to expose them to well developed pockets of U.P. in first stage. These visits will strengthen the confidence of farmers in new technologies and see the practical adoption of new technologies.

Personal interaction and listening to success stories from horses mouth will change the mind set and to adjust the changes in their own package of practices. In district the progressive farmers will be included in the proposed study tour. Various agriculture segments for improvement will be selected like: fish culture by visiting East U.P; higher production of potato from success story of Kannauj/Farrukhabad/Agra, etc; better mechanization of farms of West U.P. Additionally farmers could also visit other states like: Maharashtra & Valsad (Gujarat) to see the organized mango cultivation, Nasik for grapes and onion, Stara for ginger cultivation, and Haryana/ Punjab/ Gujarat for dairy etc.

(iii) Training and demonstrations of weed management in major crop to reduce the yield loss

The association of weed with the crops is well known because weeds compete with the crops for various growth factors like light, space, nutrients, moisture etc. The competition of weeds reduces the crop yield from 15 to 25 percent depending upon the type of weed flora, its intensity and duration of competition. The introduction of dwarf genotypes with the high inputs use like fertilizers and irrigation requirements has further aggravated the weed problems. The project will consist of training and demonstrations on chemical weed control in major crops of the region.

(iv) Farmers training for seed production at *Krishi Vigyan Kendra*

KVK/ KGKs/RIRD are very prestigious units/Institution in the district, which provides latest production technology to the farmers by different ways. To provide latest information and training to the farmers, it is necessary that KVK/ KGK/RIRD are kept up to date, so that, farmers can utilize their services and advise and adopt latest techniques on their own farms.

6.5 Farm mechanization

Farm mechanization plays very vital role in timely and precision performance of different farm operations. In areas of intensive agriculture i.e. where two or more than two crops are taken in a year, use of machinery can greatly enhance the productivity by timely performance of various agricultural operations and thereby improving the input use efficiency. But, this is the most capital-intensive agricultural input. The various interventions proposed are as follows:

(i) Demonstration of farm mechanization at gram panchayat level to minimize the energy loss of human resources

Interaction with village panchayats in the project area revealed that there is need to make available farm machinery to small and marginal farmers. However, they cannot afford to purchase costly farm machinery as it will not be economical for their smallholdings. Further lack of farm machinery at small farm brings drudgery on farm women. To meet the requirement, village level cooperative societies or farmers clubs, or entrepreneur will be encouraged to purchase the machinery and made will be made available to the farmers on custom hiring basis.

6.6 Horticulture

(i) Promotion of protected cultivation of vegetable crops under low tunnels for early production of vegetables

Majority of farmers in project area are small and marginal and their holdings are uneconomical. If provided with capital support and know how, they can compliment production of cucurbits out of main season in protected structure like low tunnels. The cost of material for erection of low tunnels including plastic for one hectare is Rs. 50,000. Small and marginal farmers have very small holding and it is expected that not more than 500 sq mt areas shall be put under plastic tunnel at one time. The cost for 500 sq mt. per farm unit works out to be Rs. 2500.00.

Objectives:

To start early crop of vegetables when the season is still cool will help off-season production of vegetables for higher profits. The productivity of vegetables is very high in the region which will increase cash flow to farm women. Insect – pest and disease management can be done more efficiently. Vegetable being high value crops, a better protection from weather conditions ensures crop safety and safeguards against crop failures. Higher vegetable production leads to better nutritional security. Use of low tunnels for raising nurseries of winter vegetables under protection ensures production of quality planting materials and safeguard for expensive composite seed.

(ii) Demonstration and supply of healthy nursery raising in vegetable crops

Vegetable crops including onion, cole crops, capsicum, chillies, tomato and brinjal are raised through nursery. All these crops are high value and highly productive. They suit to small and marginal farmers and especially it is the women who take care of vegetable production. Healthy nursery of these vegetables ensures the success of vegetables production venture. It is therefore proposed to train the farmers on the practices of raising healthy nursery.

Objectives

- To raise healthy nursery of the high value crops through high quality seed to ensure crop success.
- To provide quality-planting material and costly seeds i.e. hybrids.
- To boost the income of small and marginal farmers.
- To increase cash flow to farm-women through raising quality nursery of vegetables crop for own use and for sale to other farmers.

Technology

Small raised beds of 3 meter x 1 meter x 10 cm are prepared. Well rotten FYM or vermi-compost is added to each bed. The beds are drenched with formalin solution (1 part formalin and 7 part water). After doing so the beds are covered with polythene sheets and left as such for one week, so that, formalin fumes get deep in to the soil and it is sterilized properly. The covering with polythene also ensures solar sterilization of soil. After one week the polythene is removed and the soil is raked number of times for at least one week, so that, formalin fumes are completely driven out. As a check, a handful of soil is taken out from the bed and smelled to feel if there are any fumes of formalin smell left in the soil. Just in case, if the soil still smells of formalin it should be left for another two- three days and further raking of soil may be done. Normally, it takes 2-3 weeks time to prepare the nursery bed and sterilized them for sowing of seeds. Therefore, bed preparation programme should be started at least three weeks in advance of actually planting the seeds in nursery beds. Since the

vegetable seeds particularly hybrids are very costly, healthy nursery is very important. Further, it should be kept in mind that the seeds are sown in line and it should not be congested. If required low plastic tunnels can be prepared to protect valuable nursery seedlings.

The cost of raising ten nursery beds each of 1m x 3m diameter is given here under:

Hybrid/OP seeds, formalin, FYM, vermicompost, fertilizers, polythene sheets, polytunnels	Rs. 5000
Fifty man days for preparation of beds and nursery-raising for one month	Rs. 5000.
Total	Rs. 10,000

(iii) Development of nutritional kitchen garden/back yard garden for balanced nutrition at village level and involvement of women in horticulture.

Rural people particularly women and children suffer from lack of vitamins and minerals. Nutrition garden can play an important role to solve this problem, besides this, nutritional garden also ensure economical and nutritional security. On an average eight member family shall require 2.4 kg vegetables and 800 g fruits per day. This production can be obtained from 500 sq mt. area. Five villages from each block of the district will be selected and one kitchen garden will be laid out in each village each year. They will be provided with input and training to raise the kitchen garden. Besides seed kits of summer and winters vegetables, three fruit trees (amrapali, papaya, citrus and guava) shall also be distributed to each.

6.7 Commercial fruits

(i). Promotion of rejuvenation of senile, old and unproductive orchards of mango and guava

PRA survey reveals that quite a good percentage, about 20-35% of orchards are unproductive in the project area. Due to this, the productivity of these fruit crops in the region is quite low (6.2 tons/ha). Therefore, rejuvenation of such orchards is required on priority to increase productivity, ensure export competitiveness and to take advantage of global opportunities. The technology of rejuvenation of both mango and guava is given below:

(a) Mango: Rejuvenation of mango gives a new productive life of 20-30 years. Like other fruit crops, mango trees also witnesses decline in productivity after certain age and orchards become unviable. The technology of rejuvenation has been worked out and demonstrated by CISH, Lucknow. The technology aims at pruning of undesired branches for inducing development of umbrella like open canopy of healthy shoots which ensures better light penetration and improves flowering and fruiting potential. Pruned trees attain canopy of healthy shoots in two years time and after three years onward they start bearing fruits. The technology involves pruning of undesired branches from a height of 4-5 meters from ground during month of December. Four to medium sized branches with outward growth are retained for basic framework of tree for the development of canopy. Other criss-cross, intermingling, dried and diseased branches are marked for complete removal, which is also done in month of

December. Branches for canopy development are pruned at a distance of about 75 cm at their base.

Immediately after pruning, fungicidal paste should be applied on cut surfaces to check microbial growth. It is observed that alternate row pruning is much more acceptable to growers as there is less economic loss and the availability of better light to un-pruned adjacent rows which greatly increases their fruiting potential. Apart from this, pruned trees are to be provided intensive care of nutrition, irrigation and management of insect, pests and diseases. Five to six months after pruning, outwardly growing 8-10 healthy shoots need to be retained per branch. This operation is done during June to August. If the orchard is of inferior variety, then the branches (new shoots) can be grafted with improved variety, which is called as “top working”. Total cost involved for rejuvenation per tree is Rs. 133 to 160. Pruned trees have been found to have 2-3 times higher average yield than the control plot in which pruning is not done.

(b) Guava: The unproductive old orchards which produce low-grade fruits need to be rejuvenated through heavy and systematic pruning followed by proper nutrition, irrigation and plant protection measures. Heading back of unproductive guava orchards is done in the month of May followed by judicious thinning and pruning of newly sprouted shoots in the month of October. The newly emerged shoots after October pruning are found to be very conducive for flowering and fruiting in the following season.

Assistance under National Horticulture Mission (NHM)

This activity has been adopted by NHM and assistance norms are 50% of the estimated cost of Rs. 30,000/ha subject to a maximum of Rs. 15,000/ha limited to 2 hectares per beneficiary.

(ii). Promotion of high density planting of guava fruit crops

Although India is the largest producer of guava, however yields are very poor varying from 6.2 tons/ha in mango and 11.0 ton/ha in guava. The main reason for low yields are wide spacing, low penetration of improved varieties and poor management practices. Even countries like Brazil, Mexico and Egypt harvest yields up to 9.2 tons/ha to 16.0 tons/ha in mango. It is a common practice to plant guava at a spacing of 8m × 8m between rows and between plants within rows. With the wider spacing it takes 7-10 years to fill the space between plants. Thus there is tremendous scope for increasing orchard productivity by increasing planting density. Along with high planting density, early height control and canopy management are essential to control vegetative growth and to achieve desired results. Researchers conducted at Central Institute for Subtropical Horticulture at Lucknow has revealed that a spacing of 6.0m × 3.0m is most favourable. In this case also, yields of the order of 15-16 tons/ha can be easily obtained with Allahabad Safeda variety.

6.8 Proposed intervention for livestock

The livestock sector is an important sector of agricultural economy of the state and accounts for about one fourth of the net state domestic product. The opportunities in improving the performance of this sector are much more as compared to crop sector as the farmers are already practicing dairy and backyard poultry to supplement their income.

To increase the productivity in animal sector the major contribution rests on the genetic up-gradation of livestock. So far as dairy development is concerned, induction of

additional milch animals and transforming the backyard dairy units into commercial dairy farms with minimum ten animals is required. Farmers training for better herd and milk management need to be done through latest techniques and farm practices.

(i) For year round production of green fodder to

It has been realized that seed is the most limiting factor in fodder production. The fodder crops being very shy seed setters, sufficient quality of good seed is not available. In the present situation, the berseem seed costs approximately Rs. 100 /kg and 20 kg seed is needed for one hectare. Accordingly following norms for fodder seed production and seed acquisition by the government for further distribution will be followed. Barseem seed will be distributed to registered farmers having mixed farming system @ 4 kg / farmer costing Rs 400.

(ii) Cattle shelter

Cattle shelter will be provided under MGNREGA fund.

(iii) Promotion of Goat Rearing

Goat rearing is common in almost all gram panchayat in project area. Goat is used both for milk and meat purpose by the people. During last five years 90% of meat consumption in the district comes from goat. There is a need for promoting goat rearing. To promote goat rearing goat shelter will be provided.

(iv) Dairy Training Workshop for Women

The first step will be to sell the idea of dairy farming aggressively in the target area. This will be done by holding dairy training workshops extensively in the district, so as to cover the entire area repeatedly. These will be high tech camps wherein the requisite message will be passed across the audience in a very cordial, conducive and friendly environment. Dairy training workshop will be conducted to encourage and equip with knowledge to prospective dairy farmers and 50 percent target beneficiary should be women.

6.9 Works under Production system

6.9.1 Proposed grampanchayat wise area under demonstration (ha)

Sl. No.	Name of Grampanchayat	Treatable area (ha)	Wheat at SWI	Autumn Sugarcane + Maize	Autumn sugarcane + Potato	Wheat + sugarcane overlapping system	Seed Treatment Demonstrations	Oil seed+ potato intercrop	Early vegetable	Pad dy SRI	Arhar transplanted	Maiz + transplanted Legume	Mill ets	Green manur (Dhaincha)	Zaid oilseed	Off season zaid vegetable	Total area
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Aas Khera Shanjarpur	237.78	5	6	6.52	7.94	5.29	9	6	3.7	4	3.3	2.4	6.1	6.1	6.4	77.8
2	Aladinpur Bhogi	345.57	7	9	9.47	11.54	7.7	13	8	5.3	6	4.7	3.6	8.9	8.9	9.3	112
3	Alipur_Bhatpura	106.19	2	3	2.91	3.55	2.36	4	3	1.6	2	1.5	1.1	2.7	2.7	2.9	35
4	Aminabad	95.78	2	2	2.63	3.2	2.13	4	2	1.5	2	1.3	1	2.5	2.5	2.6	31
5	Athaishekh	6.75	0	0	0.18	0.23	0.15	0	0	0.1	0	0.1	0.1	0.2	0.2	0.2	1
6	Aurangshahpur	39.57	1	1	1.08	1.32	0.88	1	1	0.6	1	0.5	0.4	1.0	1	1.1	13
7	Bara Khera Chauhan	129.48	3	3	3.55	4.32	2.88	5	3	2	2	1.8	1.3	3.3	3.3	3.5	42
8	Basera Khurd	19.21	0	0	0.53	0.64	0.43	1	0	0.3	0	0.3	0.2	0.5	0.5	0.5	5
9	Basera Narayanpur	260.96	5	7	7.15	8.72	5.81	10	6	4	4	3.6	2.7	6.7	6.7	7	84
10	Bhatpana Khushahalpur	46.69	1	1	1.28	1.56	1.04	2	1	0.7	1	0.6	0.5	1.2	1.2	1.3	15
11	Chak Shahjani	243.00	5	6	6.66	8.12	5.41	9	6	3.7	4	3.3	2.5	6.2	6.2	6.5	79
12	Daulatpur Sukha	159.48	3	4	4.37	5.33	3.55	6	4	2.5	3	2.2	1.6	3.7	4.1	4.3	52
13	Dhampur Hussainpur	58.06	1	1	1.59	1.94	1.29	2	1	0.9	1	0.8	0.6	1.5	1.5	1.6	18
14	Gajraula	32.13	1	1	0.88	1.07	0.72	1	1	0.5	1	0.4	0.3	0.8	0.8	0.9	11
15	Gajupura	115.66	2	3	3.17	3.86	2.58	4	3	1.8	2	1.6	1.2	3.0	3.79	3.1	38
16	Hakeempur Narayan	60.69	1	2	1.66	2.03	1.35	2	1	0.9	1	0.8	0.6	1.6	1.6	1.6	19
17	Hakimpur Shankarganj	73.05	1	2	2	2.44	1.63	3	2	1.1	1	1	0.8	1.9	1.9	2	24
18	Ibrahimpur Lal	53.59	1	1	1.47	1.79	1.19	2	1	0.8	1	0.7	0.6	1.4	1.4	1.4	17
19	Jahangira Bad Milak	91.48	2	2	2.51	3.06	2.04	3	2	1.4	2	1.3	0.9	2.4	2.4	2.5	30
20	Jamalpur Alam	166.16	3	4	4.55	5.55	3.7	6	3	2.6	3	2.3	1.7	4.3	4.3	4.5	53
21	Jamalpur Bangar	79.53	2	2	2.18	2.66	1.77	3	2	1.2	1	1.1	0.8	2.0	2	2.1	26

Sl. No.	Name of Grampanchayat	Treatable area (ha)	Wheat at SWI	Autumn Sugarcane + Maize	Autumn sugarcane + Potato	Wheat + sugarcane overlapping system	Seed Treatment Demonstrations	Oil seed+ potato intercrop	Early vegetable	Pad dy SRI	Arhar transplanted	Maiz + transplanted Legume	Mill ets	Green manur (Dhaincha)	Zaid oilseed	Off season zaid vegetable	Total area
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
22	Kalyanpur	16.75	0	0	0.46	0.56	0.37	1	0	0.3	0	0.2	0.2	0.4	0.4	0.5	4
23	Karamchand	249.11	5	6	6.83	8.32	5.55	9	5	3.8	4	3.4	2.6	6.4	6.4	6.7	79
24	Kashmiri Abbinasarpur	81.01	2	2	2.22	2.71	1.8	3	2	1.2	1	1.1	0.8	2.1	2.1	2.2	26
25	Kaudupura	36.27	1	1	0.99	1.21	0.81	1	1	0.6	1	0.5	0.4	0.9	0.9	1	12
26	Kirar Kheri	104.79	2	3	2.87	3.5	2.33	4	3	1.6	2	1.4	1.1	2.7	2.7	2.8	35
27	Latif Ullapur	178.48	3	5	4.89	5.96	3.97	7	3	2.8	3	2.4	1.8	4.6	4.6	4.8	57
28	Majhera Sakru	3.90	0	0	0.11	0.13	0.09	0	0	0.1	0	0.1	0	0.1	0.1	0.1	1
29	Makrandpur Manak	16.93	0	0	0.46	0.57	0.38	1	0	0.3	0	0.2	0.2	0.4	0.4	0.5	4
30	Mankua	163.92	3	4	4.49	5.48	3.65	6	4	2.5	3	2.2	1.7	4.2	4.2	4.9	53
31	Mauzampur Suraj	154.42	3	4	4.23	5.16	3.44	6	3	2.4	3	2.1	1.6	4.0	4	4.2	50
32	Mimla-2	278.43	5	7	7.63	9.3	6.2	10	7	4.3	5	3.8	2.9	7.2	7.2	7.5	90
33	Mohammad Alipur Bhikan	102.57	2	3	2.81	3.43	2.28	4	2	1.6	2	1.4	1.1	2.6	2.6	2.8	34
34	Mohammad Parma	75.21	1	2	2.06	2.51	1.67	3	2	1.2	1	1	0.8	1.9	1.9	2	24
35	Mozampur Zaitra	233.48	5	6	6.4	7.8	5.2	9	6	3.6	4	3.2	2.4	6.0	6	6.3	77
36	Nangli Ladan	26.30	1	1	0.72	0.88	0.59	1	1	0.4	0	0.4	0.3	0.7	0.7	0.7	9
37	Neendu Khas	231.19	5	6	6.34	7.72	5.15	9	6	3.6	4	3.2	2.4	5.9	5.9	6.2	76
38	Pipalsana	303.67	6	8	8.32	10.14	6.76	11	7	4.7	5	4.2	3.1	7.8	7.8	8.2	98
39	Prithi Parbanwari	189.95	4	5	5.21	6.34	4.23	7	5	2.9	3	2.6	2	4.9	4.9	5.1	62
40	Purainy	53.13	1	1	1.46	1.77	1.18	2	1	0.8	1	0.7	0.5	1.4	1.4	1.4	17
41	Raipur Malook	146.20	3	4	4.01	4.88	3.26	6	4	2.3	2	2	1.5	3.8	3.8	3.9	48
42	Sadullah Khanpur	199.12	4	5	5.46	6.65	4.43	8	5	3.1	3	2.7	2	5.1	5.1	5.4	65
43	Saidpuri Mehichand	22.91	0	1	0.63	0.77	0.51	1	1	0.4	0	0.3	0.2	0.6	0.6	0.6	8
44	Salawa	14.46	0	0	0.4	0.48	0.32	1	0	0.2	0	0.2	0.1	0.4	0.4	0.4	4
45	Sedha	94.65	2	2	2.59	3.16	2.11	4	2	1.5	2	1.3	1	2.4	2.4	2.5	31
46	Sedhi	157.87	3	4	4.33	5.27	3.52	6	4	2.4	3	2.2	1.6	4.1	4.1	4.2	52

Sl. No.	Name of Grampanchayat	Treatable area (ha)	Wheat at SWI	Autumn Sugarcane + Maize	Autumn sugarcane + Potato	Wheat + sugarcane overlapping system	Seed Treatment Demonstrations	Oil seed+ potato intercrop	Early vegetable	Pad dy SRI	Arhar transplanted	Maiz + transplanted Legume	Mill ets	Green manur (Dhaincha)	Zaid oilseed	Off season zaid vegetable	Total area
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
47	Tapraula	155.47	3	4	4.26	5.19	3.46	6	4	2.4	3	2.1	1.6	4.0	4	4.2	51
48	Tibari	14.29	0	0	0.39	0.48	0.32	1	0	0.2	0	0.2	0.1	0.4	0.4	0.4	4
49	Wajidpur	112.71	2	3	3.09	3.76	2.51	4	3	1.7	2	1.5	1.2	2.9	2.9	3	37
Total		5838.0	114.0	147.0	160.0	195.0	130.0	221.0	137.0	90.1	99.0	79.8	60.1	149.8	151.0	157.8	1891.6

6.9.2 Cost of Crop production system intervention

Sl. No.	Name of Grampanchayat	Treatable area (ha)	Wheat @ SWI @ Rs 4000	Autumn Sugarcane + Maize	Autumn sugarcane + Potato	Wheat + sugarcane overlapping system	Seed treatment demonstrations @ Rs 6400	Oilseed+ potato intercrop @ Rs 4000	Early vegetable @ Rs 1000	Pad dy SRI @ Rs 2500	Arhar transplanted @ Rs 2000	Maiz + transplanted Legume @ Rs 2000	Mill ets @ Rs 1500	Green manur (Dhaincha) @ Rs 2000	Zaid oilseed @ Rs 1000	Off season zaid vegetable @ Rs 4000	Total in Rs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Aas Khera Shanjarpur	237.78	20000	27000	32600	31760	33856	36000	6000	9250	8000	6600	3600	12200	6100	25600	258566
2	Aladinpur Bhogi	345.57	28000	40500	47350	46160	49280	52000	8000	13250	12000	9400	5400	17800	8900	37200	375240
3	Alipur_Bhatpura	106.19	8000	13500	14550	14200	15104	16000	3000	4000	4000	3000	1650	5400	2700	11600	116704
4	Aminabad	95.78	8000	9000	13150	12800	13632	16000	2000	3750	4000	2600	1500	5000	2500	10400	104332
5	Athaishekh	6.75	0	0	900	920	960	0	0	250	0	200	150	400	200	800	4780
6	Aurangshahpur	39.57	4000	4500	5400	5280	5632	4000	1000	1500	2000	1000	600	2000	1000	4400	42312
7	Bara Khera Chauhan	129.48	12000	13500	17750	17280	18432	20000	3000	5000	4000	3600	1950	6600	3300	14000	140412
8	Basera Khurd	19.21	0	0	2650	2560	2752	4000	0	750	0	600	300	1000	500	2000	17112
9	Basera Narayanpur	260.96	20000	31500	35750	34880	37184	40000	6000	10000	8000	7200	4050	13400	6700	28000	282664
10	Bhatpana Khushahalpur	46.69	4000	4500	6400	6240	6656	8000	1000	1750	2000	1200	750	2400	1200	5200	51296
11	Chak Shahjani	243.00	20000	27000	33300	32480	34624	36000	6000	9250	8000	6600	3750	12400	6200	26000	261604
12	Daulatpur Sukha	159.48	12000	18000	21850	21320	22720	24000	4000	6250	6000	4400	2400	7416	4100	17200	171656
13	Dhampur Hussainpur	58.06	4000	4500	7950	7760	8256	8000	1000	2250	2000	1600	900	3000	1500	6400	59116
14	Gajraula	32.13	4000	4500	4400	4280	4608	4000	1000	1250	2000	800	450	1600	800	3600	37288
15	Gajupura	115.66	8000	13500	15850	15440	16512	16000	3000	4500	4000	3200	1800	6000	3792	12400	123994
16	Hakeempur Narayan	60.69	4000	9000	8300	8120	8640	8000	1000	2250	2000	1600	900	3200	1600	6400	65010
17	Hakimpur	73.05	4000	9000	10000	9760	10432	12000	2000	2750	2000	2000	1200	3800	1900	8000	7884

Sl. No.	Name of Grampanchayat	Treatable area (ha)	Wheat SWI @ Rs 4000	Autumn Sugarcane + Maize	Autumn sugarcane + Potato	Wheat + sugarcane overlapping system	Seed treatment demonstrations @ Rs 6400	Oilseed+ potato intercrop @ Rs 4000	Early vegetable @ Rs 1000	Pad y SRI @ Rs 2500	Arhar transplanted @ Rs 2000	Maiz + transplanted Legume @ Rs 2000	Mill ets @ Rs 1500	Green manur (Dhaicha) @ Rs 2000	Zaid oilseed @ Rs 1000	Off season zaid vegetable @ Rs 4000	Total in Rs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	Shankarganj																2
18	Ibrahimpur Lal	53.59	4000	4500	7350	7160	7616	8000	1000	2000	2000	1400	900	2800	1400	5600	55726
19	Jahangira Bad Milak	91.48	8000	9000	12550	12240	13056	12000	2000	3500	4000	2600	1350	4800	2400	10000	97496
20	Jamalpur Alam	166.16	12000	18000	22750	22200	23680	24000	3000	6500	6000	4600	2550	8600	4300	18000	176180
21	Jamalpur Bangar	79.53	8000	9000	10900	10640	11328	12000	2000	3000	2000	2200	1200	4000	2000	8400	86668
22	Kalyanpur	16.75	0	0	2300	2240	2368	4000	0	750	0	400	300	800	400	2000	15558
23	Karamchand	249.11	20000	27000	34150	33280	35520	36000	5000	9500	8000	6800	3900	12800	6400	26800	265150
24	Kashmiri Abbunasarpur	81.01	8000	9000	11100	10840	11520	12000	2000	3000	2000	2200	1200	4200	2100	8800	87960
25	Kaudupura	36.27	4000	4500	4950	4840	5184	4000	1000	1500	2000	1000	600	1800	900	4000	40274
26	Kirar Kheri	104.79	8000	13500	14350	14000	14912	16000	3000	4000	4000	2800	1650	5400	2700	11200	115512
27	Latif Ullapur	178.48	12000	22500	24450	23840	25408	28000	3000	7000	6000	4800	2700	9200	4600	19200	192698
28	Majhera Sakru	3.90	0	0	550	520	576	0	0	250	0	200	0	200	100	400	2796
29	Makrandpur Manak	16.93	0	0	2300	2280	2432	4000	0	750	0	400	300	800	400	2000	15662
30	Mankua	163.92	12000	18000	22450	21920	23360	24000	4000	6250	6000	4400	2550	8400	4200	19796	177326
31	Mauzampur Suraj	154.42	12000	18000	21150	20640	22016	24000	3000	6000	6000	4200	2400	8000	4000	16800	168206
32	Mimla-2	278.43	20000	31500	38150	37200	39680	40000	7000	10750	10000	7600	4350	14400	7200	30000	297830
33	Mohammad Alipur Bhikan	102.57	8000	13500	14050	13720	14592	16000	2000	4000	4000	2800	1650	5200	2600	11200	113312
34	Mohammad Parma	75.21	4000	9000	10300	10040	10688	12000	2000	3000	2000	2000	1200	3800	1900	8000	7992

Sl. No.	Name of Grampanchayat	Treatable area (ha)	Wheat SWI @ Rs 4000	Autumn Sugarcane + Maize	Autumn sugarcane + Potato	Wheat + sugarcane overlapping system	Seed treatment demonstrations @ Rs 6400	Oilseed+ potato intercrop @ Rs 4000	Early vegetable @ Rs 1000	Pad y SRI @ Rs 2500	Arhar transplanted @ Rs 2000	Maiz + transplanted Legume @ Rs 2000	Mill ets @ Rs 1500	Green manur (Dhaicha) @ Rs 2000	Zaid oilseed @ Rs 1000	Off season zaid vegetable @ Rs 4000	Total in Rs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
																	8
35	Mozampur Zaitra	233.48	20000	27000	32000	31200	33280	36000	6000	9000	8000	6400	3600	12000	6000	25200	255680
36	Nangli Ladan	26.30	4000	4500	3600	3520	3776	4000	1000	1000	0	800	450	1400	700	2800	31546
37	Neendu Khas	231.19	20000	27000	31700	30880	32960	36000	6000	9000	8000	6400	3600	11800	5900	24800	254040
38	Pipalsana	303.67	24000	36000	41600	40560	43264	44000	7000	11750	10000	8400	4650	15600	7800	32800	327424
39	Prithi Parbanwari	189.95	16000	22500	26050	25360	27072	28000	5000	7250	6000	5200	3000	9800	4900	20400	206532
40	Purainy	53.13	4000	4500	7300	7080	7552	8000	1000	2000	2000	1400	750	2800	1400	5600	55382
41	Raipur Malook	146.20	12000	18000	20050	19520	20864	24000	4000	5750	4000	4000	2250	7600	3800	15600	161434
42	Sadullah Khanpur	199.12	16000	22500	27300	26600	28352	32000	5000	7750	6000	5400	3000	10200	5100	21600	216802
43	Saidpuri Mehichand	22.91	0	4500	3150	3080	3264	4000	1000	1000	0	600	300	1200	600	2400	25094
44	Salawa	14.46	0	0	2000	1920	2048	4000	0	500	0	400	150	800	400	1600	13818
45	Sedha	94.65	8000	9000	12950	12640	13504	16000	2000	3750	4000	2600	1500	4800	2400	10000	103144
46	Sedhi	157.87	12000	18000	21650	21080	22528	24000	4000	6000	6000	4400	2400	8200	4100	16800	171158
47	Tapraula	155.47	12000	18000	21300	20760	22144	24000	4000	6000	6000	4200	2400	8000	4000	16800	169604
48	Tibari	14.29	0	0	1950	1920	2048	4000	0	500	0	400	150	800	400	1600	13768
49	Wajidpur	112.71	8000	13500	15450	15040	16064	16000	3000	4250	4000	3000	1800	5800	2900	12000	120804
Total		5838.0	456000	661500	800000	780000	831936	884000	137000	225250	198000	159600	90150	299616	150992	631396	6305440

6.9.3 Area under horticulture system

S. N.	Name of Grampanchayat	Treatable area (ha)	Fallow land (ha)	Area of Orchid (ha)	Mango rejuvenation		Guava high density		Citrus/Orange		Present Area under horticulture in ha	proposed area for intervention in ha.
					Present total Area in ha	proposed area forrejuvenation in ha	Present Area in ha	proposed high density Area in ha	Present Area in ha	proposedArea in ha		
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Aas Khera Shanjarpur	237.78	20.03	0.00	0.00	0.4	0	0.2	0.00	1.19	0.00	1.79
2	Aladinpur Bhogi	345.57	23.63	0.00	0.00	0.47	0	0.24	0.00	1.73	0.00	2.44
3	Alipur_Bhatpura	106.19	7.99	0.00	0.00	0.16	0	0.08	0.00	0.53	0.00	0.77
4	Aminabad	95.78	15.83	0.00	0.00	0.32	0	0.16	0.00	0.48	0.00	0.96
5	Athaishekh	6.75	0.00	0.00	0.00	0	0	0	0.00	0.03	0.00	0.03
6	Aurangshahpur	39.57	6.35	0.00	0.00	0.13	0	0.06	0.00	0.2	0.00	0.39
7	Bara Khera Chauhan	129.48	6.53	0.00	0.00	0.13	0	0.07	0.00	0.65	0.00	0.85
8	Basera Khurd	19.21	0.00	0.00	0.00	0	0	0	0.00	0.1	0.00	0.1
9	Basera Narayanpur	260.96	21.62	0.00	0.00	0.43	0	0.22	0.00	1.3	0.00	1.95
10	Bhatpana Khushahalpur	46.69	4.43	0.00	0.00	0.09	0	0.04	0.00	0.23	0.00	0.36
11	Chak Shahjani	243.00	47.35	0.00	0.00	0.95	0	0.47	0.00	1.22	0.00	2.64
12	Daulatpur Sukha	159.48	6.18	0.00	0.00	0.12	0	0.06	0.00	0.8	0.00	0.98
13	Dhampur Hussainpur	58.06	2.91	0.00	0.00	0.06	0	0.03	0.00	0.29	0.00	0.38
14	Gajraula	32.13	1.67	0.00	0.00	0.03	0	0.02	0.00	0.16	0.00	0.21
15	Gajupura	115.66	13.54	0.00	0.00	0.27	0	0.14	0.00	0.58	0.00	0.99
16	Hakeempur Narayan	60.69	5.67	0.00	0.00	0.11	0	0.06	0.00	0.3	0.00	0.47
17	Hakimpur Shankarganj	73.05	13.15	0.00	0.00	0.26	0	0.13	0.00	0.37	0.00	0.76
18	Ibrahimpur Lal	53.59	4.35	0.00	0.00	0.09	0	0.04	0.00	0.27	0.00	0.4
19	Jahangira Bad Milak	91.48	10.02	0.00	0.00	0.2	0	0.1	0.00	0.46	0.00	0.76
20	Jamalpur Alam	166.16	9.43	0.00	0.00	0.19	0	0.09	0.00	0.83	0.00	1.11
21	Jamalpur Bangar	79.53	7.66	0.00	0.00	0.15	0	0.08	0.00	0.4	0.00	0.63
22	Kalyanpur	16.75	7.37	0.00	0.00	0.15	0	0.07	0.00	0.08	0.00	0.3
23	Karamchand	249.11	20.63	0.00	0.00	0.41	0	0.21	0.00	1.25	0.00	1.87
24	Kashmiri Abbunasarapur	81.01	16.46	0.00	0.00	0.33	0	0.16	0.00	0.41	0.00	0.9

S. N.	Name of Grampanchayat	Treatable area (ha)	Fallow land (ha)	Area of Orchid (ha)	Mango rejuvenation		Guava high density		Citrus/Orange		Present Area under horticulture in ha	proposed area for intervention in ha.
					Present total Area in ha	proposed area forrejuvenation in ha	Present Area in ha	proposed high density Area in ha	Present Area in ha	proposedArea in ha		
1	2	3	4	5	6	7	8	9	10	11	12	13
25	Kaudupura	36.27	6.43	0.00	0.00	0.13	0	0.06	0.00	0.18	0.00	0.37
26	Kirar Kheri	104.79	10.44	0.00	0.00	0.21	0	0.1	0.00	0.52	0.00	0.83
27	Latif Ullapur	178.48	4.47	0.00	0.00	0.09	0	0.04	0.00	0.89	0.00	1.02
28	Majhera Sakru	3.90	0.00	0.00	0.00	0	0	0	0.00	0.02	0.00	0.02
29	Makrandpur Manak	16.93	0.00	0.00	0.00	0	0	0	0.00	0.08	0.00	0.08
30	Mankua	163.92	18.56	0.00	0.00	0.37	0	0.19	0.00	0.82	0.00	1.38
31	Mauzampur Suraj	154.42	11.66	0.00	0.00	0.23	0	0.12	0.00	0.77	0.00	1.12
32	Mimla-2	278.43	17.31	0.00	0.00	0.35	0	0.17	0.00	1.39	0.00	1.91
33	Mohammad Alipur Bhikan	102.57	10.46	0.00	0.00	0.21	0	0.1	0.00	0.51	0.00	0.82
34	Mohammad Parma	75.21	9.47	0.00	0.00	0.19	0	0.09	0.00	0.38	0.00	0.66
35	Mozampur Zaitra	233.48	65.65	0.00	0.00	1.31	0	0.66	0.00	1.17	0.00	3.14
36	Nangli Ladan	26.30	1.77	0.00	0.00	0.04	0	0.02	0.00	0.13	0.00	0.19
37	Neendu Khas	231.19	40.18	0.00	0.00	0.8	0	0.4	0.00	1.16	0.00	2.36
38	Pipalsana	303.67	39.80	0.00	0.00	0.8	0	0.4	0.00	1.52	0.00	2.72
39	Prithi Parbanwari	189.95	15.13	0.00	0.00	0.3	0	0.15	0.00	0.95	0.00	1.4
40	Purainy	53.13	19.32	0.00	0.00	0.39	0	0.19	0.00	0.27	0.00	0.85
41	Raipur Malook	146.20	13.16	0.00	0.00	0.26	0	0.13	0.00	0.73	0.00	1.12
42	Sadullah Khanpur	199.12	15.86	0.00	0.00	0.32	0	0.16	0.00	1	0.00	1.48
43	Saidpuri Mehichand	22.91	2.72	0.00	0.00	0.05	0	0.03	0.00	0.11	0.00	0.19
44	Salawa	14.46	0.00	0.00	0.00	0	0	0	0.00	0.07	0.00	0.07
45	Sedha	94.65	10.35	0.00	0.00	0.21	0	0.1	0.00	0.47	0.00	0.78
46	Sedhi	157.87	9.88	0.00	0.00	0.2	0	0.1	0.00	0.79	0.00	1.09
47	Tapraula	155.47	4.47	0.00	0.00	0.09	0	0.04	0.00	0.78	0.00	0.91
48	Tibari	14.29	0.11	0.00	0.00	0	0	0	0.00	0.07	0.00	0.07
49	Wajidpur	112.71	14.86	0.00	0.00	0.3	0	0.15	0.00	0.56	0.00	1.01
Total		5838.00	614.89	0.00	0.00	12.30	0.00	6.13	0.00	29.20	0.00	47.63

6.9.4 Farm mechanization

Sl. No.	Name of Grampanchayat	Treatable area (ha)	No. of farm family	Cona weeder for paddy@2000		Dry weeder for wheat, maize etc. @2000		Multi-crop seed drills, one per village @5000		Ridge and Furrow maker cum seeder for Sugarcane intercropping (Rs. 6000)		Tractor driven three ferrow Potato digger and planter @25,000/-		Manual Knapsack/foot operated sprayer.1300		Power ed Knapsack sprayer/Power Operated Taiwan sprayer (capacity 8 - 12 lts):7000		Pusa Zero energy cool chamber (100 kg)4500		Mango harvesting device 300		Total in Rs
				No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	Aas Khera Shanjarpur	237.78	461	1	2000	1	2000	0	0	1	6000	0	0	1	1300	1	7000	0	0	1	300	18600
2	Aladinpur Bhogi	345.57	344	2	4000	1	2000	0	0	1	6000	1	25000	0	0	1	7000	0	0	0	0	44000
3	Alipur_Bhatpura	106.19	218	1	2000	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4000
4	Aminabad	95.78	493	1	2000	1	2000	0	0	1	6000	0	0	1	1300	1	7000	0	0	1	300	18600
5	Athaishekh	6.75	488	3	6000	1	2000	0	0	1	6000	0	0	1	1300	0	0	0	0	1	300	15600
6	Aurangshahpur	39.57	91	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2000
7	Bara Khera Chauhan	129.48	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Basera Khurd	19.21	564	3	6000	2	4000	1	5000	1	6000	0	0	1	1300	1	7000	0	0	1	300	29600
9	Basera Narayanpur	260.96	342	2	4000	1	2000	0	0	1	6000	0	0	0	0	1	7000	0	0	0	0	19000
10	Bhatpana Khushahalpur	46.69	222	1	2000	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4000
11	Chak Shahjani	243.00	291	2	4000	1	2000	0	0	1	6000	0	0	0	0	0	0	0	0	0	0	12000
12	Daulatpur Sukha	159.48	225	1	2000	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4000
13	Dhampur Hussainpur	58.06	1348	8	16000	4	8000	1	5000	3	18000	0	0	2	2600	2	14000	1	4500	2	600	68700
14	Gajraula	32.13	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Gajupura	115.66	163	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2000

Sl. No.	Name of Grampanchayat	Treatable area (ha)	No. of farm family	Cona weeder for paddy@2000		Dry weeder for wheat, maize etc. @2000		Multi-crop seed drills, one per village @5000		Ridge and Furrow maker cum seeder for Sugarcane intercropping (Rs. 6000)		Tractor driven three ferrow Potato digger and planter @25,000/-		Manual Knapsack/foot operated sprayer.1300		Power ed Knapsack sprayer/Power Operated Taiwan sprayer (capacity 8 - 12 lts):7000		Pusa Zero energy cool chamber (100 kg)4500		Mango harvesting device 300		Total in Rs
				No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
16	Hakeempur Narayan	60.69	125	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2000
17	Hakimpur Shankarganj	73.05	417	3	6000	1	2000	0	0	1	6000	0	0	1	1300	1	7000	0	0	1	300	22600
18	Ibrahimpur Lal	53.59	163	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2000
19	Jahangira Bad Milak	91.48	272	2	4000	1	2000	0	0	1	6000	0	0	0	0	0	0	0	0	0	0	12000
20	Jamalpur Alam	166.16	190	1	2000	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4000
21	Jamalpur Bangar	79.53	149	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2000
22	Kalyanpur	16.75	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Karamchand	249.11	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Kashmiri Abbunasarapur	81.01	411	2	4000	1	2000	0	0	1	6000	0	0	0	0	1	7000	0	0	0	0	19000
25	Kaudupura	36.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Kirar Kheri	104.79	238	1	2000	1	2000	0	0	1	6000	0	0	0	0	0	0	0	0	0	0	10000
27	Latif Ullapur	178.48	164	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2000
28	Majhera Sakru	3.90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Makrandpur Manak	16.93	156	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2000
30	Mankua	163.92	374	2	4000	1	2000	0	0	1	6000	0	0	0	0	1	7000	0	0	0	0	19000
31	Mauzampur Suraj	154.42	475	3	6000	1	2000	0	0	1	6000	0	0	1	1300	1	7000	0	0	1	300	22600
32	Mimla-2	278.43	264	2	4000	1	2000	0	0	1	6000	0	0	0	0	0	0	0	0	0	0	12000

Sl. No.	Name of Grampanchayat	Treatable area (ha)	No. of farm family	Cona weeder for paddy@2000		Dry weeder for wheat, maize etc. @2000		Multi-crop seed drills, one per village @5000		Ridge and Furrow maker cum seeder for Sugarcane intercropping (Rs. 6000)		Tractor driven three ferrow Potato digger and planter @25,000/-		Manual Knapsack/foot operated sprayer.1300		Power ed Knapsack sprayer/Power Operated Taiwan sprayer (capacity 8 - 12 lts):7000		Pusa Zero energy cool chamber (100 kg)4500		Mango harvesting device 300		Total in Rs
				No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
33	Mohammad Alipur Bhikan	102.57	273	2	4000	1	2000	0	0	1	6000	0	0	0	0	0	0	0	0	0	0	12000
34	Mohammad Parma	75.21	146	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2000
35	Mozampur Zaitra	233.48	1329	8	16000	4	8000	1	5000	1	6000	0	0	2	2600	1	7000	1	4500	1	300	49400
36	Nangli Ladan	26.30	399	2	4000	1	2000	0	0	1	6000	0	0	0	0	1	7000	0	0	0	0	19000
37	Neendu Khas	231.19	1023	4	8000	3	6000	1	5000	1	6000	0	0	1	1300	1	7000	1	4500	1	300	38100
38	Pipalsana	303.67	397	2	4000	1	2000	0	0	1	6000	1	25000	0	0	0	0	0	0	0	0	37000
39	Prithi Parbanwari	189.95	724	2	4000	2	4000	1	5000	2	12000	0	0	1	1300	1	7000	0	0	1	300	33600
40	Purainy	53.13	894	5	10000	3	6000	0	0	2	12000	0	0	1	1300	1	7000	1	4500	1	300	41100
41	Raipur Malook	146.20	310	2	4000	1	2000	0	0	1	6000	0	0	0	0	0	0	0	0	0	0	12000
42	Sadullah Khanpur	199.12	474	1	2000	0	0	0	0	1	6000	0	0	1	1300	1	7000	0	0	1	300	16600
43	Saidpuri Mehichand	22.91	176	1	2000	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4000
44	Salawa	14.46	183	1	2000	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4000
45	Sedha	94.65	238	1	2000	1	2000	0	0	1	6000	0	0	0	0	0	0	0	0	0	0	10000
46	Sedhi	157.87	255	2	4000	1	2000	0	0	1	6000	0	0	0	0	0	0	0	0	0	0	12000
47	Tapraula	155.47	214	1	2000	1	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4000
48	Tibari	14.29	524	1	2000	2	4000	0	0	1	6000	0	0	1	1300	1	7000	0	0	1	300	2060

Sl. No.	Name of Grampanchayat	Treatable area (ha)	No. of farm family	Cona weeder for paddy@2000		Dry weeder for wheat, maize etc. @2000		Multi-crop seed drills, one per village @5000		Ridge and Furrow maker cum seeder for Sugarcane intercropping (Rs. 6000)		Tractor driven three ferrow Potato digger and planter @25,000/-		Manual Knapsack/foot operated sprayer.1300		Power ed Knapsack sprayer/Power Operated Taiwan sprayer (capacity 8 - 12 lts):7000		Pusa Zero energy cool chamber (100 kg)4500		Mango harvesting device 300		Total in Rs
				No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
																						0
49	Wajidpur	112.71	264	2	4000	1	2000	0	0	1	6000	0	0	0	0	0	0	0	0	0	0	12000
	Total	5838	16657	86	172000	47	94000	5	25000	32	192000	2	50000	15	19500	18	126000	4	18000	14	4200	700700

6.9.5 Proposed cropping intensity

Sl. No.	Name of Gram Panchayat	Total area (ha)	Agriculture area (ha)	Kharif, ha	Rabi, ha	Zaid, ha	Total sown area, ha	Proposed Total sown area,ha	Total Net sown area (ha)	Proposed crop equivalent area, ha (Net sown)	Existing cropping intensity	Proposed cropping intensity
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Aas Khera Shanjarpur	377.42	354.82	106.45	212.89	35.482	354.822	297.26	258.49	369.02	156	176.28
2	Aladinpur Bhogi	548.52	524.14	157.24	314.48	52.414	524.141	439.11	381.84	545.11	156	179.4
3	Alipur_Bhatpura	168.55	159.00	47.70	95.40	15.9	159.003	133.21	115.84	165.36	156	174.72
4	Aminabad	152.03	136.20	40.86	81.72	13.62	136.201	114.11	99.23	141.65	156	179.4
5	Athaishekh	10.72	10.72	3.22	6.43	1.0717	10.717	8.98	7.81	11.15	156	179.4
6	Aurangshahpur	62.81	56.46	16.94	33.88	5.6458	56.458	47.29	41.13	58.72	156	176.28
7	Bara Khera Chauhan	205.53	198.70	59.61	119.22	19.87	198.702	166.47	144.76	206.65	156	179.4
8	Basera Khurd	30.50	30.50	9.15	18.30	3.0499	30.499	25.55	22.22	31.72	156	174.72
9	Basera Narayanpur	414.22	392.60	117.78	235.56	39.26	392.601	328.91	286.01	408.31	156	179.4
10	Bhatpana Khushahalpur	74.11	67.48	20.24	40.49	6.748	67.480	56.53	49.16	70.18	156	179.4
11	Chak Shahjani	385.71	335.48	100.64	201.29	33.548	335.480	281.06	244.4	348.90	156	179.4
12	Daulatpur Sukha	253.14	246.92	74.08	148.15	24.692	246.922	206.87	179.89	256.80	156	179.4
13	Dhampur Hussainpur	92.16	89.25	26.77	53.55	8.9249	89.249	74.77	65.02	92.82	156	176.28
14	Gajraula	51.00	49.33	14.80	29.60	4.933	49.330	41.33	35.94	51.30	156	179.4
15	Gajupura	183.59	168.50	50.55	101.10	16.85	168.496	141.16	122.75	175.24	156	174.72
16	Hakeempur Narayan	96.33	90.66	27.20	54.39	9.0657	90.657	75.95	66.05	94.28	156	179.4
17	Hakimpur Shankarganj	115.96	102.08	30.62	61.25	10.208	102.075	85.52	74.37	106.16	156	179.4
18	Ibrahimpur Lal	85.06	80.14	24.04	48.09	8.0144	80.144	67.14	58.39	83.35	156	179.4
19	Jahangira Bad Milak	145.21	135.00	40.50	81.00	13.5	134.997	113.1	98.35	140.40	156	180.96
20	Jamalpur Alam	263.75	253.46	76.04	152.08	25.346	253.465	212.34	184.65	263.60	156	174.72
21	Jamalpur Bangar	126.23	118.37	35.51	71.02	11.837	118.365	99.16	86.23	123.10	156	176.28
22	Kalyanpur	26.58	18.27	5.48	10.96	1.8271	18.271	15.31	13.32	19.00	156	180.96
23	Karamchand	395.41	368.28	110.48	220.97	36.828	368.279	308.53	268.29	383.01	156	179.4
24	Kashmiri Abbunasarapur	128.59	111.45	33.44	66.87	11.145	111.451	93.38	81.2	115.91	156	182.52
25	Kaudupura	57.56	50.64	15.19	30.38	5.0635	50.635	42.42	36.89	52.66	156	179.4
26	Kirar Kheri	166.33	152.69	45.81	91.62	15.269	152.692	127.92	111.24	158.80	156	177.84
27	Latif Ullapur	283.29	277.73	83.32	166.64	27.773	277.731	232.67	202.33	288.84	156	179.4

Sl. No.	Name of Gram Panchayat	Total area (ha)	Agriculture area (ha)	Kharif, ha	Rabi, ha	Zaid, ha	Total sown area, ha	Proposed Total sown area, ha	Total Net sown area (ha)	Proposed crop equivalent area, ha (Net sown)	Existing cropping intensity	Proposed cropping intensity
1	2	3	4	5	6	7	8	9	10	11	12	13
28	Majhera Sakru	6.18	6.18	1.86	3.71	0.6185	6.185	5.18	4.51	6.43	156	179.4
29	Makrandpur Manak	26.88	26.88	8.06	16.13	2.6879	26.879	22.52	19.59	27.95	156	174.72
30	Mankua	260.19	238.31	71.49	142.99	23.831	238.312	199.65	173.61	247.84	156	179.4
31	Mauzampur Suraj	245.12	233.46	70.04	140.07	23.346	233.456	195.59	170.08	242.79	156	179.4
32	Mimla-2	441.95	422.45	126.73	253.47	42.245	422.446	353.91	307.75	439.34	156	179.4
33	Mohammad Alipur Bhikan	162.81	150.14	45.04	90.08	15.014	150.135	125.78	109.38	156.14	156	179.4
34	Mohammad Parma	119.38	109.90	32.97	65.94	10.99	109.902	92.08	80.07	114.30	156	179.4
35	Mozampur Zaitra	370.60	298.97	89.69	179.38	29.897	298.965	250.47	217.8	310.92	156	176.28
36	Nangli Ladan	41.75	39.98	11.99	23.99	3.998	39.980	33.49	29.13	41.58	156	179.4
37	Neendu Khas	366.97	321.16	96.35	192.70	32.116	321.162	269.06	233.97	334.01	156	174.72
38	Pipalsana	482.02	441.51	132.45	264.91	44.151	441.515	369.88	321.64	459.18	156	179.4
39	Prithi Parbanwari	301.51	282.27	84.68	169.36	28.227	282.267	236.47	205.63	293.56	156	179.4
40	Purainy	84.33	64.72	19.42	38.83	6.4723	64.723	54.23	47.16	67.31	156	179.4
41	Raipur Malook	232.07	217.27	65.18	130.36	21.727	217.265	182.02	158.28	225.96	156	179.4
42	Sadullah Khanpur	316.06	298.62	89.58	179.17	29.862	298.616	250.17	217.54	310.56	156	179.4
43	Saidpuri Mehichand	36.36	33.15	9.94	19.89	3.3149	33.149	27.77	24.15	34.47	156	176.28
44	Salawa	22.94	22.94	6.88	13.77	2.2945	22.945	19.22	16.72	23.86	156	179.4
45	Sedha	150.23	139.05	41.72	83.43	13.905	139.053	116.49	101.3	144.62	156	174.72
46	Sedhi	250.58	237.70	71.31	142.62	23.77	237.698	199.14	173.17	247.21	156	179.4
47	Tapraula	246.77	241.24	72.37	144.75	24.124	241.242	202.11	175.75	250.89	156	179.4
48	Tibari	22.69	22.58	6.77	13.55	2.2579	22.579	18.91	16.45	23.48	156	179.4
49	Wajidpur	178.91	160.94	48.28	96.56	16.094	160.938	134.83	117.25	167.38	156	179.4
Total		9266.6	8588.3	2576.5	5153.0	858.8	8588.3	7195.0	6256.7	8931.8	Avg 156	Avg 178.4

6.9.6 Animal production system related work (with MGNREGA convergence)

Sl. No.	Name of Grampanchayat	Total area ha	Treatable area ha	No. of villages	NADEP @3/village		Vermi pit@3/village		Fodder trough for cattle @2/village		Cow/Buffalo shelter@ 2/village		Goat shelter @1/village		Poultry shelter @ 1/village		Total amount (Rs)
					No. s	Amount	No. s	Amount	No. s	Amount	No. s	Amount	No. s	Amount	No. s	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Aas Khera Shanjarpur	377.42	237.78	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
2	Aladinpur Bhogi	548.52	345.57	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
3	Alipur_Bhatpura	168.55	106.19	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
4	Aminabad	152.03	95.78	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
5	Athaishekh	10.72	6.75	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
6	Aurangshahpur	62.81	39.57	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
7	Bara Khera Chauhan	205.53	129.48	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
8	Basera Khurd	30.50	19.21	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
9	Basera Narayanpur	414.22	260.96	4	12	108000	12	120000	8	320000	8	360000	4	160000	4	160000	1228000
10	Bhatpana Khushahalpur	74.11	46.69	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
11	Chak Shahjani	385.71	243.00	4	12	108000	12	120000	8	320000	8	360000	4	160000	4	160000	1228000
12	Daulatpur Sukha	253.14	159.48	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
13	Dhampur Hussainpur	92.16	58.06	3	9	81000	9	90000	6	240000	6	270000	3	120000	3	120000	921000
14	Gajraula	51.00	32.13	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
15	Gajupura	183.59	115.66	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
16	Hakeempur Narayan	96.33	60.69	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
17	Hakimpur Shankarganj	115.96	73.05	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
18	Ibrahimpur Lal	85.06	53.59	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
19	Jahangira Bad Milak	145.21	91.48	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
20	Jalampur Alam	263.75	166.16	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
21	Jalampur Bangar	126.23	79.53	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
22	Kalyanpur	26.58	16.75	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
23	Karamchand	395.41	249.11	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
24	Kashmiri Abbunasarapur	128.59	81.01	3	9	81000	9	90000	6	240000	6	270000	3	120000	3	120000	921000
25	Kaudupura	57.56	36.27	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
26	Kirar Kheri	166.33	104.79	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000

Sl. No.	Name of Grampanchayat	Total area ha	Treatable area ha	No. of villages	NADEP @3/village		Vermi pit@3/village		Fodder trough for cattle @2/village		Cow/Buffalo shelter@ 2/village		Goat shelter @1/village		Poultry shelter @ 1/village		Total amount (Rs)
					No. s	Amount	No. s	Amount	No. s	Amount	No. s	Amount	No. s	Amount	No. s	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
27	Latif Ullapur	283.29	178.48	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
28	Majhera Sakru	6.18	3.90	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
29	Makrandpur Manak	26.88	16.93	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
30	Mankua	260.19	163.92	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
31	Mauzampur Suraj	245.12	154.42	3	9	81000	9	90000	6	240000	6	270000	3	120000	3	120000	921000
32	Mimla-2	441.95	278.43	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
33	Mohammad Alipur Bhikan	162.81	102.57	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
34	Mohammad Parma	119.38	75.21	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
35	Mozampur Zaitra	370.60	233.48	3	9	81000	9	90000	6	240000	6	270000	3	120000	3	120000	921000
36	Nangli Ladan	41.75	26.30	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
37	Neendu Khas	366.97	231.19	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
38	Pipalsana	482.02	303.67	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
39	Prithi Parbanwari	301.51	189.95	4	12	108000	12	120000	8	320000	8	360000	4	160000	4	160000	1228000
40	Purainy	84.33	53.13	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
41	Raipur Malook	232.07	146.20	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
42	Sadullah Khanpur	316.06	199.12	4	12	108000	12	120000	8	320000	8	360000	4	160000	4	160000	1228000
43	Saidpuri Mehichand	36.36	22.91	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
44	Salawa	22.94	14.46	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
45	Sedha	150.23	94.65	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
46	Sedhi	250.58	157.87	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
47	Tapraula	246.77	155.47	3	9	81000	9	90000	6	240000	6	270000	3	120000	3	120000	921000
48	Tibari	22.69	14.29	1	3	27000	3	30000	2	80000	2	90000	1	40000	1	40000	307000
49	Wajidpur	178.91	112.71	2	6	54000	6	60000	4	160000	4	180000	2	80000	2	80000	614000
Total		9266.58	5838	86	258	2322000	258	2580000	172	6880000	172	7740000	86	3440000	86	3440000	26,402,000

10 Livelihood activities

10.1 Non-farm based livelihood activities

Sl. No.	Name of G.P.	Total area (ha)	Non-farm based activities											Total cost, Rs
			Dairy establishment 1 per block @500,000	Mushroom cold storage and packaging @100,000	Poultry - Hatchery 1 per block @300,000	Cold storage for fruits and vegetables 1 per block @500,000	FPO for Bamboo -Cane furniture marketing 2 per block @300,000	Solar based mobile pump system @200,000	Pumps et repairing (20000)	Electrician (20000)	Plumbering (18000)	Shuttering work (18000)	Hand pump mechanic (20000)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Aas Khera Shanjarpur	377.42	0	0	0	500,000	0	0	0	0	18,000	0	0	518,000
2	Aladinpur Bhogi	548.52	0	0	300000	0	0	0	20,000	0	0	0	0	320,000
3	Alipur_Bhatpura	168.55	0	0	0	0	0	0	0	0	0	0	0	0
4	Aminabad	152.03	0	0	0	0	0	0	0	0	0	18,000	0	18,000
5	Athaishekh	10.72	0	0	0	500,000	0	0	0	0	0	0	0	500,000
6	Aurangshahpur	62.81	0	0	0	0	0	0	0	0	0	0	0	0
7	Bara Khera Chauhan	205.53	0	0	0	0	0	200,000	0	0	0	0	0	200,000
8	Basera Khurd	30.50	0	0	0	0	0	0	0	0	0	0	0	0
9	Basera Narayanpur	414.22	0	0	0	0	0	200,000	0	0	0	0	0	200,000
10	Bhatpana Khushahalpur	74.11	0	0	0	0	0	0	20,000	0	0	0	0	20,000
11	Chak Shahjani	385.71	0	0	0	0	0	0	0	0	0	0	0	0
12	Daulatpur Sukha	253.14	0	100000	0	0	0	0	20,000	0	0	0	0	120,000
13	Dhampur Hussainpur	92.16	0	0	0	0	0	0	0	0	0	0	0	0
14	Gajraula	51.00	500000	0	0	0	0	0	0	0	0	0	0	500,000
15	Gajupura	183.59	0	0	0	0	0	200,000	0	20,000	0	0	0	220,000
16	Hakeempur Narayan	96.33	0	0	0	0	0	200,000	0	0	0	0	0	200,000
17	Hakimpur Shankarganj	115.96	0	0	0	0	0	0	0	0	18,000	0	0	18,000
18	Ibrahimpur Lal	85.06	0	0	0	0	0	0	0	0	0	18,000	0	18,000
19	Jahangira Bad Milak	145.21	0	0	0	0	0	0	0	0	0	0	0	0
20	Jamalpur Alam	263.75	0	0	0	500,000	0	0	0	0	0	0	0	500,000

Sl. No.	Name of G.P.	Total area (ha)	Non-farm based activities											Total cost, Rs
			Dairy establishment 1 per block @500,000	Mushroom cold storage and packaging @100,000	Poultry - Hatchery 1 per block @300,000	Cold storage for fruits and vegetables 1 per block @500,000	FPO for Bamboo -Cane furniture marketing 2 per block @300,000	Solar based mobile pump system @200,000	Pumps et repairing (20000)	Electrician (20000)	Plumbering (18000)	Shuttering work (18000)	Hand pump mechanic (20000)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
21	Jamalpur Bangar	126.23	0	0	0	0	0	0	0	0	0	0	20,000	20,000
22	Kalyanpur	26.58	0	0	0	0	0	0	20,000	0	0	0	0	20,000
23	Karamchand	395.41	0	0	0	0	300000	0	0	0	0	0	0	300,000
24	Kashmiri Abbunasarapur	128.59	0	100,000	0	0	0	0	0	0	0	0	0	100,000
25	Kaudupura	57.56	0	0	0	0	0	0	0	0	0	0	0	0
26	Kirar Kheri	166.33	0	0	0	0	0	0	0	0	0	0	0	0
27	Latif Ullapur	283.29	0	0	0	0	0	0	0	0	0	18,000	0	18,000
28	Majhera Sakru	6.18	0	0	0	0	0	0	0	0	0	0	0	0
29	Makrandpur Manak	26.88	0	0	0	0	0	0	0	20,000	0	0	0	20,000
30	Mankua	260.19	0	0	300000	0	0	0	0	0	0	0	0	300,000
31	Mauzampur Suraj	245.12	0	0	0	0	0	0	0	0	0	0	0	0
32	Mimla-2	441.95	0	0	0	0	0	0	0	0	0	18,000	0	18,000
33	Mohammad Alipur Bhikan	162.81	0	100000	0	0	0	0	0	0	0	0	0	100,000
34	Mohammad Parma	119.38	0	0	0	0	0	0	0	0	0	0	0	0
35	Mozampur Zaitra	370.60	0	0	0	0	0	0	0	0	18,000	0	0	18,000
36	Nangli Ladan	41.75	0	0	0	0	0	0	0	0	0	0	0	0
37	Neendu Khas	366.97	0	0	0	0	0	200,000	0	0	0	0	0	200,000
38	Pipalsana	482.02	0	0	0	0	0	0	0	20,000	0	0	0	20,000
39	Prithi Parbanwari	301.51	-	-	300000	0	0	0	0	0	18,000	0	0	318,000
40	Purainy	84.33	0	0	0	0	0	0	0	0	0	0	20,000	20,000
41	Raipur Malook	232.07	0	0	0	0	0	0	0	0	0	0	0	0
42	Sadullah Khanpur	316.06	0	0	0	0	300,000	0	0	20,000	0	0	0	320,000

Sl. No.	Name of G.P.	Total area (ha)	Non-farm based activities											Total cost, Rs
			Dairy establishment 1 per block @500,000	Mushroom cold storage and packaging @100,000	Poultry - Hatchery 1 per block @300,000	Cold storage for fruits and vegetables 1 per block @500,000	FPO for Bamboo -Cane furniture marketing 2 per block @300,000	Solar based mobile pump system @200,000	Pumps et repairing (20000)	Electrician (20000)	Plumbering (18000)	Shuttering work (18000)	Hand pump mechanic (20000)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
43	Saidpuri Mehichand	36.36	0	0	0	0	0	0	0	0	0	0	0	0
44	Salawa	22.94	0	0	0	0	0	200,000	0	0	0	0	0	200,000
45	Sedha	150.23	0	0	0	0	0	0	20,000	0	0	0	0	20,000
46	Sedhi	250.58	0	0	0	0	0	0	20,000	0	0	0	0	20,000
47	Tapraula	246.77	0	0	0	0	0	0	0	0	0	0	0	0
48	Tibari	22.69	-	-	-	0	0	0	0	0	0	0	0	0
49	Wajidpur	178.91	0	0	0	0	0	200,000	0	20,000	0	0	0	220,000
	Total	9266.5844	500,000	300,000	900,000	1,500,000	600,000	1,400,000	120,000	100,000	72,000	72,000	40,000	5,604,000

6.10.2 Livelihood activities – On-farm based

Sl. No.	Name of G.P.	Low plastic tunnels Nursery @10000		Button Mushroom cultivation support [1] @7500		Vegetable preservation unit @10000		Sheep rearing (2 sheeps /unit) @7000		Poultry @20,000		Backyard poultry @3500		seed replacement (SRR) @4000		Total Rs
		No.s	Amount	No.s	Amount	No.s	Amount	No.s	Amount	No.s	Amount	No.s	Amount	No.s	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Aas Khera Shanjarpur	1	10000	0	0	0	0	0	0	0	0	0	0	0	0	10000
2	Aladinpur Bhogi	0	0	1	7500	0	0	0	0	0	0	0	0	0	0	7500
3	Alipur_Bhatpura	0	0	0	0	1	10000	0	0	0	0	0	0	0	0	10000
4	Aminabad	0	0	0	0	0	0	1	7000	0	0	0	0	0	0	7000
5	Athaishekh	0	0	0	0	0	0	0	0	1	20000	0	0	0	0	20000
6	Aurangshahpur	1	10000	1	7500	0	0	1	7000	1	20000	1	3500	0	0	48000
7	Bara Khera Chauhan	0	0	0	0	0	0	0	0	0	0	0	0	1	4000	4000
8	Basera Khurd	0	0	0	0	0	0	0	0	0	0	1	3500	0	0	3500
9	Basera Narayanpur	0	0	0	0	0	0	0	0	1	20000	0	0	0	0	20000
10	Bhatpana Khushahalpur	0	0	0	0	0	0	1	7000	0	0	0	0	0	0	7000
11	Chak Shahjani	0	0	0	0	1	10000	0	0	0	0	0	0	0	0	10000
12	Daulatpur Sukha	0	0	1	7500	1	10000	0	0	1	20000	1	3500	1	4000	45000
13	Dhampur Hussainpur	1	10000	0	0	0	0	0	0	0	0	0	0	0	0	10000
14	Gajraula	0	0	1	7500	0	0	0	0	0	0	0	0	0	0	7500
15	Gajupura	3	30000	0	0	1	10000	0	0	0	0	1	3500	0	0	43500
16	Hakeempur Narayan	0	0	0	0	0	0	1	7000	0	0	0	0	0	0	7000
17	Hakimpur Shankarganj	1	10000	0	0	0	0	0	0	1	20000	0	0	0	0	30000
18	Ibrahimpur Lal	0	0	1	7500	0	0	0	0	0	0	1	3500	0	0	11000
19	Jahangira Bad Milak	0	0	0	0	0	0	0	0	0	0	0	0	1	4000	4000
20	Jamalpur Alam	0	0	0	0	0	0	1	7000	0	0	1	3500	0	0	10500
21	Jamalpur Bangar	1	10000	0	0	0	0	0	0	1	20000	0	0	0	0	30000
22	Kalyanpur	0	0	1	7500	0	0	1	7000	0	0	0	0	0	0	14500
23	Karamchand	0	0	0	0	1	10000	0	0	0	0	0	0	0	0	10000
24	Kashmiri Abbunasarpur	0	0	1	7500	0	0	0	0	0	0	0	0	0	0	7500
25	Kaudupura	1	10000	0	0	0	0	1	7000	0	0	0	0	0	0	17000
26	Kirar Kheri	0	0	1	7500	0	0	1	7000	0	0	0	0	1	4000	18500

Sl. No.	Name of G.P.	Low plastic tunnels Nursery @10000		Button Mushroom cultivation support [1] @7500		Vegetable preservation unit @10000		Sheep rearing (2 sheeps /unit) @7000		Poultry @20,000		Backyard poultry @3500		seed replacement (SRR) @4000		Total Rs
		No.s	Amount	No.s	Amount	No.s	Amount	No.s	Amount	No.s	Amount	No.s	Amount	No.s	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
27	Latif Ullapur	0	0	0	0	1	10000	0	0	0	0	0	0	0	0	10000
28	Majhera Sakru	0	0	0	0	0	0	1	7000	0	0	0	0	0	0	7000
29	Makrandpur Manak	0	0	0	0	1	10000	0	0	1	20000	0	0	0	0	30000
30	Mankua	0	0	0	0	0	0	0	0	0	0	1	3500	0	0	3500
31	Mauzampur Suraj	0	0	0	0	0	0	0	0	0	0	0	0	1	4000	4000
32	Mimla-2	0	0	0	0	0	0	0	0	0	0	1	3500	0	0	3500
33	Mohammad Alipur Bhikan	1	10000	0	0	0	0	0	0	1	20000	0	0	0	0	30000
34	Mohammad Parma	0	0	0	0	0	0	1	7000	0	0	0	0	0	0	7000
35	Mozampur Zaitra	0	0	1	7500	1	10000	0	0	0	0	0	0	0	0	17500
36	Nangli Ladan	1	10000	0	0	0	0	1	7000	0	0	0	0	1	4000	21000
37	Neendu Khas	0	0	1	7500	0	0	0	0	0	0	0	0	0	0	7500
38	Pipalsana	0	0	0	0	1	10000	0	0	0	0	0	0	0	0	10000
39	Prithi Parbanwari	0	0	0	0	0	0	1	7000	0	0	0	0	0	0	7000
40	Purainy	0	0	0	0	0	0	0	0	1	20000	0	0	1	4000	24000
41	Raipur Malook	1	10000	0	0	0	0	0	0	0	0	1	3500	0	0	13500
42	Sadullah Khanpur	0	0	1	7500	0	0	0	0	0	0	0	0	1	4000	11500
43	Saidpuri Mehichand	0	0	0	0	1	10000	0	0	0	0	0	0	0	0	10000
44	Salawa	0	0	0	0	0	0	1	7000	0	0	0	0	0	0	7000
45	Sedha	0	0	0	0	0	0	0	0	1	20000	0	0	1	4000	24000
46	Sedhi	0	0	0	0	0	0	0	0	0	0	1	3500	0	0	3500
47	Tapraula	0	0	0	0	0	0	1	7000	0	0	0	0	1	4000	11000
48	Tibari	0	0	0	0	0	0	0	0	0	0	0	0	1	4000	4000
49	Wajidpur	1	10000	1	7500	0	0	0	0	0	0	1	3500	0	0	21000
	Total	13	130000	12	90000	10	100000	14	98000	10	200000	11	38500	11	44000	700,500

6.11 Soil and water conservation work under NRM

6.11.1 Detail dimensions of soil and water conservation works under NRM

Sl. No.	Name of Grampanchayat	Treatable area	No. of Gabion 6mx1.5m	No of Gabion 8mx2m	No. of Spur 10x2x2m	No. Fodder on field bund	PVC UGPL - Canal - Small/marginal farmers @100,000 (60% IWMP)	PVC UGPL - Canal - Big farmers (50% IWMP)	PVC UGPL - Tube well - Small/marginal farmers @50,000 (75% IWMP)	PVC UGPL - Tube well - Big farmers @50,000 (50% IWMP)	Convert Jheel/ Taal into Fishery pond	CB length in m @900 m/ha	CB length *@0.81 m ²	Spill way from contour bund area @1 per 10 ha	PB length in Meter @10m	PB length @ 1.35 m ²	Renovation of FB @200mtr per farmer (MGNER EGA)	Spill way from farm field (IWMP)	Silvi Pasture (IWMP)	Renovation of FB @200mtr per farmer (25% to be born by farmers)
1	2	3	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	Aas Khera Shanjarpur	237.78	3	1	2	115	1	4	1	2	0	600	486	1	400	540	12	3	3.62	3
2	Aladinpur Bhogi	345.57	4	2	2	86	1	3	1	2	0	900	729	1	600	810	9	2	5.27	2
3	Alipur_Bhatpura	106.19	1	1	0	55	1	2	3	13	0	300	243	0	200	270	6	2	1.62	2
4	Aminabad	95.78	1	1	0	123	1	4	0	2	0	300	243	0	200	270	13	3	1.46	3
5	Athaishekh	6.75	0	0	0	122	1	4	2	4	0	0	0	1	0	0	13	3	0.10	3
6	Aurangshahpur	39.57	0	0	0	23	0	1	1	4	0	100	81	0	100	135	2	1	0.60	1
7	Bara Khera Chauhan	129.48	2	1	0	15	0	1	1	2	0	400	324	1	200	270	2	1	1.97	1
8	Basera Khurd	19.21	0	0	0	141	2	5	0	1	0	100	81	0	0	0	15	4	0.29	4
9	Basera Narayanpur	260.96	3	1	3	86	1	3	1	3	0	700	567	1	500	675	9	2	3.98	2
10	Bhatpana Khushahalpur	46.69	1	0	0	56	1	2	1	1	0	100	81	0	100	135	6	2	0.71	2
11	Chak Shahjani	243.00	3	1	3	73	1	3	0	1	0	700	567	0	500	675	8	2	3.70	2
12	Daulatpur Sukha	159.48	2	1	0	56	1	2	3	8	0	400	324	1	300	405	6	2	2.43	2
13	Dhampur Hussainpur	58.06	1	0	0	337	4	12	0	1	0	200	162	0	100	135	36	9	0.89	9
14	Gajraula	32.13	0	0	0	12	0	0	3	12	0	100	81	0	100	135	1	0	0.49	0
15	Gajupura	115.66	1	1	0	41	0	1	1	4	0	300	243	0	200	270	4	1	1.76	1
16	Hakeempur Narayan	60.69	1	0	0	31	0	1	2	3	0	200	162	1	100	135	3	1	0.93	1
17	Hakimpur Shankarganj	73.05	1	0	0	104	1	4	2	3	0	200	162	1	100	135	11	3	1.11	3

Sl. No.	Name of Grampanchayat	Treatable area	No. of Gabion 6mx1.5m	No of Gabion 8mx2m	No. of Spur 10x2x2m	No. Fodder on field bund	PVC UGPL - Canal - Small/marginal farmers @100,000 (60% IWMP)	PVC UGPL - Canal - Big farmers (50% IWMP)	PVC UGPL - Tube well - Small/marginal farmers @50,000 (75% IWMP)	PVC UGPL - Tube well - Big farmers @50,000 (50% IWMP)	Convert Jheel/ Taal into Fishery pond	CB length in m @900 m/ha	CB length *@0.81 m ²	Spill way from contour bund area @1 per 10 ha	PB length in Meter @100m	PB length @ 1.35 m ²	Renovation of FB @200mtr per farmer (MGNER EGA)	Spill way from farm field (IWMP)	Silvi Pasture (IWMP)	Renovation of FB @200mtr per farmer (25% to be born by farmers)
1	2	3	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
18	Ibrahimpur Lal	53.59	1	0	0	41	0	1	1	1	0	100	81	1	100	135	4	1	0.82	1
19	Jahangira Bad Milak	91.48	1	1	0	68	1	2	1	4	0	200	162	0	200	270	7	2	1.39	2
20	Jamalpur Alam	166.16	2	1	0	48	1	2	1	2	0	500	405	0	300	405	5	1	2.53	1
21	Jamalpur Bangar	79.53	1	0	0	37	0	1	0	2	0	200	162	0	100	135	4	1	1.21	1
22	Kalyanpur	16.75	0	0	0	15	0	1	0	1	0	0	0	0	0	0	2	1	0.26	1
23	Karamchand	249.11	3	1	3	6	0	0	1	3	1	700	567	1	500	675	1	0	3.80	0
24	Kashmiri Abbunasarapur	81.01	1	0	0	103	1	4	2	6	0	200	162	0	200	270	11	3	1.23	3
25	Kaudupura	36.27	0	0	0	0	0	0	0	0	0	100	81	0	100	135	0	0	0.55	0
26	Kirar Kheri	104.79	1	1	0	60	1	2	1	4	0	300	243	0	200	270	6	2	1.60	2
27	Latif Ullapur	178.48	2	1	2	41	1	1	0	1	0	500	405	0	300	405	4	1	2.72	1
28	Majhera Sakru	3.90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0
29	Makrandpur Manak	16.93	0	0	0	39	1	1	1	2	0	0	0	0	0	0	4	1	0.26	1
30	Mankua	163.92	2	1	0	94	1	3	0	1	0	400	324	0	300	405	10	3	2.50	3
31	Mauzampur Suraj	154.42	2	1	0	119	0	4	0	1	0	400	324	0	300	405	13	3	2.35	3
32	Mimla-2	278.43	3	2	2	66	1	2	1	2	0	800	648	0	500	675	7	2	4.24	2
33	Mohammad Alipur Bhikan	102.57	1	1	0	68	1	2	3	12	0	300	243	1	200	270	7	2	1.56	2
34	Mohammad Parma	75.21	2	0	0	37	0	1	1	3	0	200	162	1	100	135	4	1	1.15	1
35	Mozampur Zaitra	233.48	3	1	2	332	4	12	1	3	1	600	486	1	400	540	36	9	3.56	9
36	Nangli Ladan	26.30	0	0	0	100	1	4	1	1	0	100	81	0	0	0	11	3	0.40	3
37	Neendu Khas	231.19	3	1	2	256	3	9	1	1	1	600	486	0	400	540	28	7	3.52	7

Sl. No.	Name of Grampanchayat	Treatable area	No. of Gabion 6mx1.5m	No of Gabion 8mx2m	No. of Spur 10x2x2m	No. Fodder on field bund	PVC UGPL - Canal - Small/marginal farmers @100,000 (60% IWMP)	PVC UGPL - Canal - Big farmers (50% IWMP)	PVC UGPL - Tube well - Small/marginal farmers @50,000 (75% IWMP)	PVC UGPL - Tube well - Big farmers @50,000 (50% IWMP)	Convert Jheel/ Taal into Fishery pond	CB length in m @900 m/ha	CB length *@0.81 m ²	Spill way from contour bund area @1 per 10 ha	PB length in Meter @100m	PB length @ 1.35 m ²	Renovation of FB @200mtr per farmer (MGNER EGA)	Spill way from farm field (IWMP)	Silvi Pasture (IWMP)	Renovation of FB @200mtr per farmer (25% to be born by farmers)
1	2	3	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
38	Pipalsana	303.67	4	2	2	99	1	4	1	5	0	800	648	1	600	810	11	3	4.63	3
39	Prithi Parbanwari	189.95	2	1	3	181	2	7	1	2	1	500	405	1	400	540	20	5	2.90	5
40	Purainy	53.13	1	0	0	224	3	8	1	0	0	100	81	0	100	135	24	6	0.81	6
41	Raipur Malook	146.20	2	1	0	78	1	3	0	1	0	400	324	0	300	405	8	2	2.23	2
42	Sadullah Khanpur	199.12	2	1	2	119	1	4	1	6	0	500	405	1	400	540	13	3	3.04	3
43	Saidpuri Mehichand	22.91	0	0	0	44	1	2	0	0	0	100	81	0	0	0	5	1	0.35	1
44	Salawa	14.46	0	0	0	46	1	2	1	4	0	0	0	1	0	0	5	1	0.22	1
45	Sedha	94.65	1	1	0	60	1	2	1	1	0	300	243	1	200	270	6	2	1.44	2
46	Sedhi	157.87	2	1	0	64	1	2	1	6	0	400	324	1	300	405	7	2	2.41	2
47	Tapraula	155.47	2	1	0	54	1	2	2	4	0	400	324	0	300	405	6	2	2.37	2
48	Tibari	14.29	0	0	0	131	2	5	1	3	0	0	0	0	0	0	14	4	0.22	4
49	Wajidpur	112.71	1	1	0	66	1	2	1	2	0	300	243	0	200	270	7	2	1.72	2
	Total	5838.00	69	31	28	4172	49	147	49	150	4	15600	12636	19	10700	14445	446	117	88.98	117

6.11.2 Cost of Soil and water conservation works under NRM

Sl. No.	Name of Grampanchayat	Cost of Gabion 6x1.5m @18000	Cost of Gabion 8mx2m @35000	Cost of Spur @50000	Cost of Fodder development @ Rs.5/mtr	PVC UGPL - Canal - Small/marginal farmers @100,000 (60% IWMP)	PVC UGPL - Canal - Big farmers (50% IWMP)	PVC UGPL - Tube well - Small/marginal farmers @50,000 (75% IWMP)	PVC UGPL - Tube well - Big farmers @50,000 (50% IWMP)	Convert Jheel/ Taal into Fishery pond	Cost CB @ 67 m ³	Spill way from contour bund area @1 per 10 ha	Cost PB @ 67/ m ³	Renovation of FB @200mtr per farmer (MGNER EGA)	Spill way from farm field (IWMP)	Silvi Pasture (IWMP)	Grand total Rs	Cost from MGNER EGA	IWMP	Renovation of FB @200 mtr per farmer (25% to be born by farmers)	PVC UGPL - Farmers' contribution
1	2	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Aas Khera Shanjarpur	54000	35000	10000	143750	60000	20000	37500	50000	0	32562	20000	36180	130248	37500	72400	1526640	415140	111500	8142	302500
2	Aladinpur Bhogi	72000	70000	10000	107500	60000	15000	37500	50000	0	48843	20000	54270	97686	25000	105400	1403199	413699	989500	5428	252500
3	Alipur_Bhatpura	18000	35000	0	68750	60000	10000	112500	32500	0	16281	0	18090	65124	25000	32400	1101145	200645	900500	5428	502500
4	Aminabad	18000	35000	0	153750	60000	20000	0	50000	0	16281	0	18090	141102	37500	29200	1096423	358423	738000	8142	290000
5	Athaishekh	0	0	0	152500	60000	20000	75000	10000	0	0	20000	0	141102	37500	2000	1305602	295602	1010000	8142	365000
6	Aurangshahpur	0	0	0	28750	0	50000	37500	10000	0	5427	0	9045	21708	12500	12000	389430	76930	312500	2714	162500
7	Bara Khera Chauhan	36000	35000	0	18750	0	50000	37500	50000	0	21708	20000	18090	21708	12500	39400	653156	119656	533500	2714	112500
8	Basera Khurd	0	0	0	176250	120000	25000	0	25000	0	5427	0	0	162810	50000	5800	1245287	350287	895000	10856	355000
9	Basera Narayanpur	54000	35000	15000	107500	60000	15000	37500	75000	0	37989	20000	45225	97686	25000	79600	1379500	368000	1011500	5428	277500
10	Bhatpana Khushahalpur	18000	0	0	70000	60000	10000	37500	25000	0	5427	0	9045	65124	25000	14200	654296	163796	490500	5428	177500
11	Chak Shahjani	54000	35000	15000	91250	60000	15000	0	25000	0	37989	0	45225	86832	25000	7400	1059296	335296	724000	5428	215000
12	Daulatpur Sukha	36000	35000	0	70000	60000	10000	112500	20000	0	21708	20000	27135	65124	25000	48600	1226067	232567	993500	5428	377500
13	Dhampur Hussainpur	18000	0	0	421250	240000	60000	0	25000	0	10854	0	9045	390744	1125000	17800	2857693	849693	2008000	24426	785000
14	Gajraula	0	0	0	15000	0	0	112500	30000	0	5427	0	9045	10854	0	9800	462626	50126	412500	0	337500

Sl. No.	Name of Grampanchayat	Cost of Gabion 6x1.5m @18000	Cost of Gabion 8mx2m @35000	Cost of Spurr @50000	Cost of Fodder development @ Rs.5/mtr	PVC UGPL - Canal - Small/marginal farmers @100,000 (60% IWMP)	PVC UGPL - Canal - Big farmers (50% IWMP)	PVC UGPL - Tube well - Small/marginal farmers @50,000 (75% IWMP)	PVC UGPL - Tube well - Big farmers @50,000 (50% IWMP)	Convert Jheel/ Taal into Fishery pond	Cost CB @ 67 m³	Spill way from contour bund area @1 per 10 ha	Cost PB @ 67/ m³	Renovation of FB @200mtr per farmer (MGNER EGA)	Spill way from farm field (IWMP)	Silvi Pasture (IWMP)	Grand total Rs	Cost from MGNER EGA	IWMP	Renovation of FB @200 mtr per farmer (25% to be born by farmers)	PVC UGPL - Farmers' contribution
1	2	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
15	Gajupura	18000	35000	0	51250	0	50000	37500	100000	0	16281	0	18090	43416	125000	35200	529737	164237	365500	2714	162500
16	Hakeempur Narayan	18000	0	0	38750	0	50000	75000	75000	0	10854	200000	9045	32562	125000	18600	652811	109811	543000	2714	150000
17	Hakimpur Shankarganj	18000	0	0	130000	60000	200000	75000	75000	0	10854	200000	9045	119394	375000	22200	129493	291493	1003000	8142	340000
18	Ibrahimpur Lal	18000	0	0	51250	0	50000	37500	25000	0	5427	200000	9045	43416	125000	16400	581038	125538	455500	2714	87500
19	Jahangira Bad Milak	18000	35000	0	85000	60000	100000	37500	100000	0	10854	0	18090	75978	250000	27800	818222	217722	600500	5428	252500
20	Jamalpur Alam	36000	35000	0	60000	60000	100000	37500	50000	0	27135	0	27135	54270	125000	50600	662640	219140	443500	2714	202500
21	Jamalpur Bangar	18000	0	0	46250	0	50000	0	50000	0	10854	0	9045	43416	125000	24200	376765	133765	243000	2714	100000
22	Kalyanpur	0	0	0	18750	0	50000	0	25000	0	0	0	0	21708	125000	5200	245658	45658	200000	2714	75000
23	Karamchand	54000	35000	150000	7500	0	0	37500	75000	300000	37989	200000	45225	10854	0	76000	1029068	177568	851500	0	87500
24	Kashmiri Abbnasarpur	18000	0	0	128750	60000	200000	75000	150000	0	10854	0	18090	119394	375000	24600	1179688	301688	878000	8142	415000
25	Kaudupura	0	0	0	0	0	0	0	0	0	5427	0	9045	0	0	11000	25472	25472	0	0	0
26	Kirar Kheri	18000	35000	0	75000	60000	100000	37500	100000	0	16281	0	18090	65124	250000	32000	806995	206495	600500	5428	252500
27	Latif Ullapur	36000	35000	100000	51250	60000	50000	0	25000	0	27135	0	27135	43416	125000	54400	634336	203336	431000	2714	115000
28	Majhera Sakru	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1200	1200	1200	0	0	0
29	Makrandpur Manak	0	0	0	48750	60000	50000	37500	50000	0	0	0	0	43416	125000	5200	419866	97366	322500	2714	152500

Sl. No.	Name of Grampanchayat	Cost of Gabion 6x1.5m @18000	Cost of Gabion 8x2m @35000	Cost of Spurr @50000	Cost of Fodder development @ Rs.5/mtr	PVC UGPL - Canal - Small/marginal farmers @100,000 (60% IWMP)	PVC UGPL - Canal - Big farmers (50% IWMP)	PVC UGPL - Tube well - Small/marginal farmers @50,000 (75% IWMP)	PVC UGPL - Tube well - Big farmers @50,000 (50% IWMP)	Convert Jheel/ Taal into Fishery pond	Cost CB @ 67 m ³	Spill way from contour bund area @1 per 10 ha	Cost PB @ 67/ m ³	Renovation of FB @200mtr per farmer (MGNER EGA)	Spill way from farm field (IWMP)	Silvi Pasture (IWMP)	Grand total Rs	Cost from MGNER EGA	IWMP	Renovation of FB @200 mtr per farmer (25% to be born by farmers)	PVC UGPL - Farmers' contribution
1	2	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
30	Mankua	36000	35000	0	117500	60000	15000	0	25000	0	21708	0	27135	108540	37500	50000	1005883	324883	681000	8142	215000
31	Mauzampur Suraj	36000	35000	0	148750	0	20000	0	25000	0	21708	0	27135	141102	37500	47000	1056695	385695	671000	8142	225000
32	Mimla-2	54000	70000	100000	82500	60000	100000	37500	50000	0	43416	0	45225	75978	25000	84800	1053419	331919	721500	5428	202500
33	Mohammad Alipur Bhikan	18000	35000	0	85000	60000	100000	112500	30000	0	16281	20000	18090	75978	25000	31200	1302049	226549	1075500	5428	477500
34	Mohammad Parma	36000	0	0	46250	0	50000	37500	75000	0	10854	20000	9045	43416	125000	23000	656065	132565	523500	2714	137500
35	Mozampur Zaitra	54000	35000	100000	415000	240000	600000	37500	75000	300000	32562	200000	36180	390744	1125000	71200	3712186	945686	2766500	24426	847500
36	Nangli Ladan	0	0	0	125000	60000	200000	37500	25000	0	5427	0	0	119394	375000	8000	955321	257821	697500	8142	277500
37	Neendu Khas	54000	35000	100000	320000	180000	450000	37500	25000	300000	32562	0	36180	303912	875000	70400	2819554	763054	2056500	18998	607500
38	Pipalsana	72000	70000	100000	123750	60000	200000	37500	125000	0	43416	200000	54270	119394	375000	92600	1672930	433430	1239500	8142	377500
39	Prithi Parbanwari	36000	35000	150000	226250	120000	350000	37500	500000	300000	27135	200000	36180	217080	625000	58000	2468145	564645	1903500	13570	492500
40	Purainy	18000	0	0	280000	180000	400000	37500	0	0	5427	0	9045	260496	750000	162000	1956668	571168	1385500	16284	532500
41	Raipur Malook	36000	35000	0	97500	60000	150000	0	25000	0	21708	0	27135	86832	250000	44600	833775	277775	556000	5428	215000
42	Sadullah Khanpur	36000	35000	100000	148750	60000	200000	37500	150000	0	27135	200000	36180	141102	375000	60800	1607467	413967	1193500	8142	402500
43	Saidpuri Mehichand	0	0	0	55000	60000	100000	0	0	0	5427	0	0	54270	125000	7000	406697	121697	285000	2714	140000
44	Salawa	0	0	0	57500	60000	100000	37500	100000	0	0	200000	0	54270	125000	4400	738670	116170	622500	2714	252500

Sl. No.	Name of Grampanchayat	Cost of Gabion 6x1.5m @18000	Cost of Gabion 8x2m @35000	Cost of Spurr @50000	Cost of Fodder development @ Rs.5/mtr	PVC UGPL - Canal - Small/marginal farmers @100,000 (60% IWMP)	PVC UGPL - Canal - Big farmers (50% IWMP)	PVC UGPL - Tube well - Small/marginal farmers @50,000 (75% IWMP)	PVC UGPL - Tube well - Big farmers @50,000 (50% IWMP)	Convert Jheel/ Taal into Fishery pond	Cost CB @ 67 m ³	Spill way from contour bund area @1 per 10 ha	Cost PB @ 67/ m ³	Renovation of FB @200mtr per farmer (MGNER EGA)	Spill way from farm field (IWMP)	Silvi Pasture (IWMP)	Grand total Rs	Cost from MGNER EGA	IWMP	Renovation of FB @200 mtr per farmer (25% to be born by farmers)	PVC UGPL - Farmers' contribution
1	2	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
45	Sedha	18000	35000	0	75000	60000	100000	37500	25000	0	16281	20000	18090	65124	25000	28800	928795	203295	727360	5428	177500
46	Sedhi	36000	35000	0	80000	60000	100000	37500	15000	0	21708	20000	27135	75978	25000	48200	1121521	253021	868500	5428	302500
47	Tapraula	36000	35000	0	67500	60000	100000	75000	10000	0	21708	0	27135	65124	25000	47400	884867	228867	656000	5428	265000
48	Tibari	0	0	0	163750	120000	250000	37500	75000	0	0	0	0	151956	50000	4400	1302606	320106	982500	10856	417500
49	Wajidpur	18000	35000	0	82500	60000	100000	37500	50000	0	16281	0	18090	75978	25000	34400	777749	227249	550500	5428	202500
	Total	1242000	1085000	1400000	5215000	2940000	7350000	1837500	3750000	1200000	846612	3800000	967815	4840884	14625000	1779600	52879411	13649911	39231360	317538	13672500

6.12 Gram Panchayat wise proposed EPA activities

Sl. No.	Name of Grampanchayat	Treatable area (ha)	Vegetable seed packet distribution for backyard garden		Protective plantation - Mentha, Gladiolus etc.		RRWH Ferrocement tank - Backyard: one per village @25000		EPA Fodder on field bund of BPL families		Total amount (Rs.)
			No.s	Amount @Rs15/packet	No.s	Amount @Rs 200/packet	No.s	Amount (Rs.) @22255	No.s	Amount in Rs @1250	
1	2		5	6			9	10	11	12	13
1	Aas Khera Shanjarpur	182.84	185	2775	92	18400	1	22255	3	3750	47180
2	Aladinpur Bhogi	158.75	341	5115	171	34200	1	22255	6	7500	69070
3	Alipur Bhatpura	164.18	955	14325	450	90000	1	22255	8	10000	136580
4	Aminabad	138.48	142	2130	71	14200	1	22255	2	2500	41085
5	Athaishekh	204.42	523	7845	262	52400	1	22255	8	10000	92500
6	Aurangshahpur	24.29	333	4995	166	33200	1	22255	5	6250	66700
7	Bara Khera Chauhan	192.19	186	2790	93	18600	1	22255	3	3750	47395
8	Basera Khurd	61.67	104	1560	52	10400	1	22255	2	2500	36715
9	Basera Narayanpur	233.23	276	4140	138	27600	1	22255	2	2500	56495
10	Bhatpana Khushahalpur	114.86	206	3090	103	20600	1	22255	3	3750	49695
11	Chak Shahjani	75.2	73	1095	36	7200	0	0	1	1250	9545
12	Daulatpur Sukha	519.4	650	9750	340	68000	1	22255	12	15000	115005
13	Dhampur Hussainpur	22.06	48	720	24	4800	1	22255	1	1250	29025
14	Gajraula	93.23	1021	15315	510	102000	1	22255	8	10000	149570
15	Gajupura	146.9	314	4710	157	31400	0	0	5	6250	42360
16	Hakeempur Narayan	218.48	643	9645	288	57600	1	22255	5	6250	95750
17	Hakimpur Shankarganj	228.93	679	10185	311	62200	1	22255	3	3750	98390
18	Ibrahimpur Lal	189.99	164	2460	82	16400	1	22255	3	3750	44865
19	Jahangira Bad Milak	37.31	308	4620	154	30800	1	22255	5	6250	63925
20	Jamalpur Alam	57.85	181	2715	75	15000	0	0	3	3750	21465
21	Jamalpur Bangar	76.56	129	1935	64	12800	1	22255	2	2500	39490
22	Kalyanpur	31.89	106	1590	53	10600	1	22255	2	2500	36945
23	Karamchand	353.53	280	4200	162	32400	1	22255	3	3750	62605
24	Kashmiri Abbnasarpur	11.29	360	5400	250	50000	1	22255	4	5000	82655
25	Kaudupura	3.07	0	0	0	0	0	0	0	0	0
26	Kirar Kheri	57.01	294	4410	147	29400	1	22255	4	5000	61065

Sl. No.	Name of Grampanchayat	Treatable area (ha)	Vegetable seed packet distribution for backyard garden		Protective plantation - Mentha, Gladiolus etc.		RRWH Ferrocement tank - Backyard: one per village @25000		EPA Fodder on field bund of BPL families		Total amount (Rs.)
			No.s	Amount @Rs15/packet	No.s	Amount @Rs 200/packet	No.s	Amount (Rs.) @22255	No.s	Amount in Rs @1250	
1	2		5	6			9	10	11	12	13
27	Latif Ullapur	13.13	134	2010	67	13400	1	22255	2	2500	40165
28	Majhera Sakru	3.09	0	0	0	0	0	0	0	0	0
29	Makrandpur Manak	14.46	185	2775	93	18600	1	22255	3	3750	47380
30	Mankua	79.17	68	1020	34	6800	1	22255	1	1250	31325
31	Mauzampur Suraj	32.09	68	1020	34	6800	1	22255	1	1250	31325
32	Mimla-2	131.69	191	2865	96	19200	1	22255	3	3750	48070
33	Mohammad Alipur Bhikan	185.2	901	13515	450	90000	1	22255	9	11250	137020
34	Mohammad Parma	238.33	276	4140	138	27600	1	22255	4	5000	58995
35	Mozampur Zaitra	222.38	230	3450	115	23000	1	22255	4	5000	53705
36	Nangli Ladan	6.54	181	2715	91	18200	0	0	0	0	20915
37	Neendu Khas	82.6	184	2760	92	18400	1	22255	3	3750	47165
38	Pipalsana	199.98	392	5880	196	39200	1	22255	6	7500	74835
39	Prithi Parbanwari	192.01	159	2385	80	16000	1	22255	3	3750	44390
40	Purainy	150.62	154	2310	77	15400	1	22255	3	3750	43715
41	Raipur Malook	8.37	47	705	23	4600	1	22255	0	0	27560
42	Sadullah Khanpur	352.41	429	6435	196	39200	1	22255	5	6250	74140
43	Saidpuri Mehichand	26.66	33	495	17	3400	1	22255	1	1250	27400
44	Salawa	343.63	311	4665	150	30000	1	22255	6	7500	64420
45	Sedha	190.89	164	2460	82	16400	1	22255	3	3750	44865
46	Sedhi	175.12	430	6450	215	43000	1	22255	7	8750	80455
47	Tapraula	91.98	504	7560	252	50400	1	22255	8	10000	90215
48	Tibari	14.42	354	5310	177	35400	1	22255	6	7500	70465
49	Wajidpur	78.3	189	2835	94	18800	1	22255	3	3750	47640
Total			14085	211275	7020	1404000	43	956,965	184	230,000	2,802,240

Chapter: 7 Benefit and cost

7.1 Net benefit

7.1.1 Present and proposed net benefit from cropping system

Sl. No	Name of Gram Panchayat	Present value, Rs			Proposed value, Rs			Total Value, Rs		Production cost, Rs		Present profit, Rs	Proposed profit, Rs	Net profit, Rs
		Kharif	Rabi	Zaid	Kharif	Rabi	Zaid	Present	Proposed	Present based on production	Proposed based on production			
1	2	3	4	5	6	7	8	9	10	11	12	14	15	16
1	Aas Khera Shanjarpur	3938526	8515732	3086953	5366242	12066792	4374212	15541211	21807246	14121923	18358499	1419288	3448747	2029458
2	Aladinpur Bhogi	5817969	12579393	4560030	7926983	17825000	6461563	22957392	32213546	20860827	27119075	2096565	5094471	2997906
3	Alipur_Bhatpura	1764931	3816066	1383324	2404718	5407366	1960170	6964321	9772254	6328310	8226803	636011	1545451	909440
4	Aminabad	1511833	3268828	1184950	2059872	4631929	1679074	5965611	8370875	5420807	7047049	544804	1323826	779022
5	Athaishekh	118960	257212	93239	162083	364469	132120	469411	658672	426543	554506	42868	104166	61298
6	Aurangshahpur	626689	1355004	491189	853864	1920041	696015	2472882	3469920	2247048	2921163	225834	548757	322924
7	Bara Khera Chauhan	2205590	4768843	1728706	3005116	6757451	2449576	8703139	12212143	7908332	10280831	794807	1931312	1136504
8	Basera Khurd	338535	731968	265339	461254	1037199	375985	1335842	1874438	1213848	1578002	121994	296436	174442
9	Basera Narayanpur	4357871	9422424	3415629	5937599	13351575	4839946	17195924	24129120	15625519	20313175	1570405	3815945	2245540
10	Bhatpana Khushahalpur	749024	1619512	587073	1020545	2294849	831882	2955609	4147276	2685691	3491398	269918	655878	385960
11	Chak Shahjani	3723827	8051517	2918675	5073714	11409000	4135762	14694019	20618476	13352099	17357729	1341920	3260747	1918827
12	Daulatpur Sukha	2740831	5926121	2148219	3734382	8397313	3044026	10815171	15175721	9827483	12775728	987688	2399993	1412305
13	Dhampur Hussainpur	990662	2141971	776465	1349777	3035173	1100251	3909098	5485201	3552102	4617733	356996	867468	510472
14	Gajraula	547563	1183919	429171	746055	1677613	608135	2160653	3031803	1963333	2552333	197320	479470	282150
15	Gajupura	1870305	4043903	1465915	2548291	5730211	2077202	7380123	10355704	6706139	8717981	673984	1637723	963739
16	Hakeempur Narayan	1006295	2175772	788718	1371077	3083069	1117613	3970785	5571759	3608156	4690603	362629	881156	518527
17	Hakimpur Shankarganj	1133033	2449800	888053	1543757	3471367	1258371	4470886	6273495	4062585	5281361	408301	992134	583833
18	Ibrahimpur Lal	889599	1923457	697253	1212079	2725539	988008	3510309	4925626	3189732	4146652	320577	778974	458397

Sl. No	Name of Gram Panchayat	Present value, Rs			Proposed value, Rs			Total Value, Rs		Production cost, Rs		Present profit, Rs	Proposed profit, Rs	Net profit, Rs
		Kharif	Rabi	Zaid	Kharif	Rabi	Zaid	Present	Proposed	Present based on production	Proposed based on production			
1	2	3	4	5	6	7	8	9	10	11	12	14	15	16
19	Jahangira Bad Milak	1498470	3239934	1174476	2041665	4590986	1664232	5912880	8296883	5372891	6984758	539989	1312125	772136
20	Jamalpur Alam	2813461	6083159	2205145	3833341	8619836	3124690	11101765	15577867	10087905	13114276	1013860	2463591	1449731
21	Jamalpur Bangar	1313857	2840772	1029780	1790130	4025374	1459198	5184409	7274702	4710947	6124231	473462	1150471	677009
22	Kalyanpur	202809	438505	158958	276327	621362	225243	800272	1122932	727188	945344	73084	177588	104504
23	Karamchand	4087897	8838697	3204028	5569760	12524434	4540108	16130622	22634302	14657505	19054757	1473117	3579545	2106428
24	Kashmiri Abbunasarapur	1237103	2674818	969621	1685553	3790217	1373953	4881542	6849723	4435739	5766461	445803	1083262	637459
25	Kaudupura	562049	1215241	440525	765792	1721996	624224	2217815	3112012	2015275	2619857	202540	492155	289615
26	Kirar Kheri	1694880	3664605	1328419	2309274	5192745	1882370	6687904	9384389	6077137	7900279	610767	1484110	873344
27	Latif Ullapur	3082810	6665535	2416256	4200329	9445063	3423835	12164601	17069227	11053678	14369781	1110923	2699446	1588523
28	Majhera Sakru	68650	148432	53807	93536	210328	76245	270889	380109	246149	319994	24740	60115	35375
29	Makrandpur Manak	298361	645106	233851	406517	914115	331367	1177318	1651999	1069801	1390741	107517	261258	153741
30	Mankua	2645258	5719477	2073311	3604164	8104499	2937882	10438046	14646545	9484800	12330240	953246	2316305	1363059
31	Mauzampur Suraj	2591358	5602936	2031064	3530725	7939360	2878018	10225358	14348103	9291535	12078996	933823	2269107	1335284
32	Mimla-2	4689147	10138696	3675277	6388963	14366532	5207868	18503120	25963363	16813338	21857339	1689782	4106024	2416242
33	Mohammad Alipur Bhikan	1666501	3603246	1306177	2270608	5105800	1850853	6575924	9227261	5975383	7767998	600541	1459263	858722
34	Mohammad Parma	1219908	2637640	956144	1662125	3737536	1354856	4813692	6754517	4374086	5686312	439606	1068205	628599
35	Mozampur Zaitra	3318515	7175168	2600998	4521477	10167213	3685614	13094681	18374304	11898820	15468466	1195861	2905838	1709977
36	Nangli Ladan	443773	959510	347822	604641	1359626	492864	1751105	2457131	1591187	2068543	159918	388588	228670
37	Neendu Khas	3564895	7707880	2794107	4857169	10922066	3959250	14066882	19738485	12782235	16616905	1284647	3121580	1836933
38	Pipalsana	4900816	10596360	3841180	6677362	15015042	5442952	19338356	27135356	17572296	22843985	1766060	4291371	2525311
39	Prithi Parbanwari	3133159	6774397	2455719	4268929	9599321	3479754	12363275	17348004	11234208	14604471	1129067	2743533	1614467

Sl. No.	Name of Gram Panchayat	Present value, Rs			Proposed value, Rs			Total Value, Rs		Production cost, Rs		Present profit, Rs	Proposed profit, Rs	Net profit, Rs
		Kharif	Rabi	Zaid	Kharif	Rabi	Zaid	Present	Proposed	Present based on production	Proposed based on production			
1	2	3	4	5	6	7	8	9	10	11	12	14	15	16
40	Purainy	718430	1553363	563094	978861	2201115	797904	2834887	3977880	2575994	3348792	258893	629088	370195
41	Raipur Malook	2411645	5214367	1890208	3285866	7388758	2678425	9516220	13353049	8647158	11241306	869062	2111743	1242681
42	Sadullah Khanpur	3314642	7166793	2597963	4516200	10155346	3681314	13079398	18352860	11884932	15450412	1194466	2902448	1707982
43	Saidpuri Mehichand	367952	795572	288395	501335	1127326	408656	1451919	2037317	1319324	1715122	132595	322195	189601
44	Salawa	254686	550673	199619	347010	780304	282860	1004978	1410174	913199	1187159	91779	223015	131236
45	Sedha	1543494	3337284	1209765	2103011	4728931	1714237	6090543	8546179	5534329	7194627	556214	1351552	795337
46	Sedhi	2638453	5704763	2067977	3594892	8083649	2930323	10411193	14608864	9460399	12298519	950794	2310345	1359551
47	Tapraula	2677785	5789805	2098804	3648482	8204154	2974005	10566394	14826641	9601426	12481854	964968	2344787	1379819
48	Tibari	250628	541898	196438	341481	767869	278353	988964	1387703	898647	1168241	90317	219462	129145
49	Wajidpur	1786408	3862503	1400158	2433981	5473167	1984024	7049069	9891172	6405318	8326914	643751	1564258	920508
Total		95329843	206118577	74717987	129886914	292070026	105875388	376166407	527832328	341813307	444357299	34353100	83475029	49121929

7.1.2 Present and proposed production and value of horticulture system

S. N.	Name of Grampanchayat	Mango rejuvenation						Guava high density						Citrus/Orange						Hort-system innovation cost in Rs	profit		
		Proposed cost @ Rs 3000 /ha	Present production @ 6t/ha	Additional proposed production @ 10 t/ha	Total proposed production in, t	Present value @ Rs 15000 /t	Proposed value in Rs	Proposed cost @ Rs 63000/ha	Present production @ 9t/ha	Additional proposed production @ 30t/ha	Total proposed production in, t	Present value @ Rs 10000/ t	Proposed value in Rs	Proposed cost @20000/ ha	present production@8t/ha	additional production future @ 15 t/ha	Total production infuture T	present value @20000/ T	Proposed value in Rs		Present value in Rs	Proposed value in Rs	Profit in Rs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Aas Khera Shanjarpur	12000	0	4	4	0	60000	126000	0	6	6	0	60000	23800	0	17.85	17.85	0	357000	48400	0	428600	428600
2	Aladinpur Bhogi	14100	0	4.7	4.7	0	70500	151200	0	7.2	7.2	0	72000	34600	0	25.95	25.95	0	519000	63820	0	597680	597680
3	Alipur_Bhatpura	4800	0	1.6	1.6	0	24000	50400	0	2.4	2.4	0	24000	10600	0	7.95	7.95	0	159000	20440	0	186560	186560
4	Aminabad	9600	0	3.2	3.2	0	48000	100800	0	4.8	4.8	0	48000	9600	0	7.2	7.2	0	144000	29280	0	210720	210720
5	Athaishekh	0	0	0	0	0	0	0	0	0	0	0	0	600	0	0.45	0.45	0	9000	600	0	8400	8400
6	Aurangshahpur	3900	0	1.3	1.3	0	19500	37800	0	1.8	1.8	0	18000	4000	0	3	3	0	6000	11680	0	85820	85820
7	Bara Khera Chauhan	3900	0	1.3	1.3	0	19500	44100	0	2.1	2.1	0	21000	13000	0	9.75	9.75	0	195000	21310	0	214190	214190
8	Basera Khurd	0	0	0	0	0	0	0	0	0	0	0	0	2000	0	1.5	1.5	0	3000	2000	0	28000	28000
9	Basera Narayanpur	12900	0	4.3	4.3	0	64500	138600	0	6.6	6.6	0	66000	26000	0	19.5	19.5	0	390000	52760	0	467740	467740
10	Bhatpana Khushahapur	2700	0	0.9	0.9	0	13500	25200	0	1.2	1.2	0	12000	4600	0	3.45	3.45	0	69000	9820	0	84680	84680
11	Chak Shahjani	28500	0	9.5	9.5	0	142500	296100	0	14.1	14.1	0	141000	24400	0	18.3	18.3	0	366000	82510	0	566990	566990
12	Daulatpur Sukha	3600	0	1.2	1.2	0	18000	37800	0	1.8	1.8	0	18000	16000	0	12	12	0	240000	23380	0	252620	252620

S. N.	Name of Grampanchayat	Mango rejuvenation						Guava high density						Citrus/Orange						Horti-system innovation cost in Rs	profit		
		Proposed cost @ Rs 30000/ha	Present production @ 6t/ha	Additional proposed production @ 10t/ha	Total proposed production in, t	Present value @ Rs 15000/t	Proposed value in Rs	Proposed cost @ Rs 63000/ha	Present production @ 9t/ha	Additional proposed production @ 30t/ha	Total proposed production in, t	Present value @ Rs 10000/t	Proposed value in Rs	Proposed cost @ 20000/ha	present production@8t/ha	additional production future @ 15 t/ha	Total production infuture T	present value @20000/T	Proposed value in Rs		Present value in Rs	Proposed value in Rs	Profit in Rs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
13	Dhampur Hussainpur	1800	0	0.6	0.6	0	9000	1890	0	0.9	0.9	0	9000	5800	0	4.35	4.35	0	87000	9490	0	95510	95510
14	Gajraula	900	0	0.3	0.3	0	4500	1260	0	0.6	0.6	0	6000	3200	0	2.4	2.4	0	48000	5360	0	53140	53140
15	Gajapura	8100	0	2.7	2.7	0	40500	8820	0	4.2	4.2	0	42000	11600	0	8.7	8.7	0	174000	28520	0	227980	227980
16	Hakeempur Narayan	3300	0	1.1	1.1	0	16500	3780	0	1.8	1.8	0	18000	6000	0	4.5	4.5	0	90000	13080	0	111420	111420
17	Hakimpur Shankarganj	7800	0	2.6	2.6	0	39000	8190	0	3.9	3.9	0	39000	7400	0	5.55	5.55	0	111000	23390	0	165610	165610
18	Ibrahimpur Lal	2700	0	0.9	0.9	0	13500	2520	0	1.2	1.2	0	12000	5400	0	4.05	4.05	0	81000	10620	0	95880	95880
19	Jahangirabad Milak	6000	0	2	2	0	30000	6300	0	3	3	0	30000	9200	0	6.9	6.9	0	138000	21500	0	176500	176500
20	Jamalpur Alam	5700	0	1.9	1.9	0	28500	5670	0	2.7	2.7	0	27000	16600	0	12.45	12.45	0	249000	27970	0	276530	276530
21	Jamalpur Bangar	4500	0	1.5	1.5	0	22500	5040	0	2.4	2.4	0	24000	8000	0	6	6	0	120000	17540	0	148960	148960
22	Kalyanpur	4500	0	1.5	1.5	0	22500	4410	0	2.1	2.1	0	21000	1600	0	1.2	1.2	0	240000	10510	0	56990	56990
23	Karamchand	12300	0	4.1	4.1	0	61500	13230	0	6.3	6.3	0	63000	25000	0	18.75	18.75	0	375000	50530	0	448970	448970
24	Kashmiri Abbunaspur	9900	0	3.3	3.3	0	49500	10080	0	4.8	4.8	0	48000	8200	0	6.15	6.15	0	123000	28180	0	192320	192320

S. N.	Name of Grampanchayat	Mango rejuvenation						Guava high density						Citrus/Orange						Horti-system innovation cost in Rs	profit		
		Proposed cost @ Rs 300 /ha	Present production @ 6t/ha	Additional proposed production @ 10 t/ha	Total proposed production in, t	Present value @ Rs 150 00 /t	Proposed value in Rs	Proposed cost @ Rs 630 00/h a	Present production @ 9t/ha	Additional proposed production @ 30t/h a	Total proposed production in, t	Present value @ Rs 100 00/ t	Proposed value in Rs	Proposed cost @20 000/ ha	present production@8t/h a	additional production future @ 15 t/ha	Total production in future T	present value @20 000/ T	Proposed value in Rs		Present value in Rs	Proposed value in Rs	Profit in Rs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
25	Kaudupura	3900	0	1.3	1.3	0	19500	3780	0	1.8	1.8	0	18000	3600	0	2.7	2.7	0	54000	11280	0	80220	80220
26	Kirar Kheri	6300	0	2.1	2.1	0	31500	6300	0	3	3	0	30000	10400	0	7.8	7.8	0	156000	23000	0	194500	194500
27	Latif Ullapur	2700	0	0.9	0.9	0	13500	2520	0	1.2	1.2	0	12000	17800	0	13.35	13.35	0	267000	23020	0	269480	269480
28	Majhera Sakru	0	0	0	0	0	0	0	0	0	0	0	0	400	0	0.3	0.3	0	6000	400	0	5600	5600
29	Makrandpur Manak	0	0	0	0	0	0	0	0	0	0	0	0	1600	0	1.2	1.2	0	24000	1600	0	22400	22400
30	Mankua	11100	0	3.7	3.7	0	55500	11970	0	5.7	5.7	0	57000	16400	0	12.3	12.3	0	246000	39470	0	319030	319030
31	Mauzampur Suraj	6900	0	2.3	2.3	0	34500	7560	0	3.6	3.6	0	36000	15400	0	11.55	11.55	0	231000	29860	0	271640	271640
32	Mimla-2	10500	0	3.5	3.5	0	52500	10710	0	5.1	5.1	0	51000	27800	0	20.85	20.85	0	417000	49010	0	471490	471490
33	Mohammad Alipur Bhikan	6300	0	2.1	2.1	0	31500	6300	0	3	3	0	30000	10200	0	7.65	7.65	0	153000	22800	0	191700	191700
34	Mohammad Parma	5700	0	1.9	1.9	0	28500	5670	0	2.7	2.7	0	27000	7600	0	5.7	5.7	0	114000	18970	0	150530	150530
35	Mozampur Zaitra	39300	0	13.1	13.1	0	196500	41580	0	19.8	19.8	0	198000	23400	0	17.55	17.55	0	351000	104280	0	641220	641220
36	Nangli Ladan	1200	0	0.4	0.4	0	6000	1260	0	0.6	0.6	0	6000	2600	0	1.95	1.95	0	39000	5060	0	45940	45940
37	Neendu Khas	24000	0	8	8	0	120000	25200	0	12	12	0	120000	23200	0	17.4	17.4	0	348000	72400	0	515600	515600

S. N.	Name of Grampanchayat	Mango rejuvenation						Guava high density						Citrus/Orange						Horti-system innovation cost in Rs	profit		
		Proposed cost @ Rs 3000 /ha	Present production @ 6t/ha	Additional proposed production @ 10 t/ha	Total proposed production in, t	Present value @ Rs 15000 /t	Proposed value in Rs	Proposed cost @ Rs 63000/ha	Present production @ 9t/ha	Additional proposed production @ 30t/ha	Total proposed production in, t	Present value @ Rs 10000/ t	Proposed value in Rs	Proposed cost @20000/ ha	present production@8t/ha	additional production future @ 15 t/ha	Total production infuture T	present value @20000/ T	Proposed value in Rs		Present value in Rs	Proposed value in Rs	Profit in Rs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
38	Pipalsana	24000	0	8	8	0	120000	252000	0	12	12	0	120000	304000	0	22.8	22.8	0	456000	796000	0	616400	616400
39	Prithi Parbanwari	9000	0	3	3	0	45000	94500	0	4.5	4.5	0	45000	190000	0	14.25	14.25	0	285000	374500	0	337550	337550
40	Purainy	11700	0	3.9	3.9	0	58500	119700	0	5.7	5.7	0	57000	540000	0	4.05	4.05	0	810000	2907000	0	167430	167430
41	Raipur Malook	7800	0	2.6	2.6	0	39000	81900	0	3.9	3.9	0	39000	146000	0	10.95	10.95	0	219000	3059000	0	266410	266410
42	Sadullah Khanpur	9600	0	3.2	3.2	0	48000	100800	0	4.8	4.8	0	48000	200000	0	15	15	0	300000	3968000	0	356320	356320
43	Saidpuri Mehichand	1500	0	0.5	0.5	0	75000	189000	0	0.9	0.9	0	90000	220000	0	1.65	1.65	0	330000	5590000	0	439100	439100
44	Salawa	0	0	0	0	0	0	0	0	0	0	0	0	140000	0	1.05	1.05	0	210000	1400000	0	196000	196000
45	Sedha	6300	0	2.1	2.1	0	315000	630000	0	3	3	0	300000	940000	0	7.05	7.05	0	1410000	2200000	0	180500	180500
46	Sedhi	6000	0	2	2	0	300000	630000	0	3	3	0	300000	1580000	0	11.85	11.85	0	2370000	2810000	0	268900	268900
47	Tapraula	2700	0	0.9	0.9	0	135000	252000	0	1.2	1.2	0	120000	1560000	0	11.7	11.7	0	2340000	2082000	0	238680	238680
48	Tibari	0	0	0	0	0	0	0	0	0	0	0	0	140000	0	1.05	1.05	0	210000	1400000	0	196000	196000
49	Wajidpur	9000	0	3	3	0	450000	945000	0	4.5	4.5	0	450000	1120000	0	8.4	8.4	0	1680000	2965000	0	228350	228350
Total		369,000	0	123	123	-	1,845,000	386,190	0	183.9	183.9	0	183,900	584,000	0	438	438	0	876,000	1,339,190	0	111,048	11,104,810

7.1.3 Production and Profit from major animal /livestock

S. N	Name of G.P.	Cow	Buffalo	Goat + Sheep	Poultry	Production value in Rs				Present		Proposed		Profit in Rs		Net Benefits, Rs
						Cows	Buffalo	Goat + Sheep	Poultry	Total production value of product	Total production cost, Rs	Total production value of product	Total production cost, Rs	Present production value, Rs	Proposed production value, Rs	
1	2	3	4	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Aas Khera Shanjarpur	20	18	6	4	200000	216000	5400	1200	422600	295820	507120	354984	126780	152136	25356
2	Aladinpur Bhogi	39	35	12	7	390000	420000	10800	2100	822900	576030	987480	691236	246870	296244	49374
3	Alipur_Bhatpura	94	84	30	18	940000	1008000	27000	5400	1980400	1386280	2376480	1663536	594120	712944	118824
4	Aminabad	16	15	5	3	160000	180000	4500	900	345400	241780	414480	290136	103620	124344	20724
5	Athaishekh	62	56	20	12	620000	672000	18000	3600	1313600	919520	1576320	1103424	394080	472896	78816
6	Aurangshahpur	37	33	12	7	370000	396000	10800	2100	778900	545230	934680	654276	233670	280404	46734
7	Bara Khera Chauhan	21	19	7	4	210000	228000	6300	1200	445500	311850	534600	374220	133650	160380	26730
8	Basera Khurd	13	11	4	2	130000	132000	3600	600	266200	186340	319440	223608	79860	95832	15972
9	Basera Narayanpur	30	27	10	6	300000	324000	9000	1800	634800	444360	761760	533232	190440	228528	38088
10	Bhatpana Khushahalpur	25	22	8	5	250000	264000	7200	1500	522700	365890	627240	439068	156810	188172	31362
11	Chak Shahjani	86	78	27	16	860000	936000	24300	4800	1825100	1277570	2190120	1533084	547530	657036	109506
12	Daulatpur Sukha	83	75	26	15	830000	900000	23400	4500	1757900	1230530	2109480	1476636	527370	632844	105474
13	Dhampur Hussainpur	4	4	2	1	40000	48000	1800	300	90100	63070	108120	75684	27030	32436	5406
14	Gajraula	120	108	38	22	1200000	1296000	34200	6600	2536800	1775760	3044160	2130912	761040	913248	152208
15	Gajupura	37	33	11	7	370000	396000	9900	2100	778000	544600	933600	653520	233400	280080	46680
16	Hakeempur Narayan	86	78	27	16	860000	936000	24300	4800	1825100	1277570	2190120	1533084	547530	657036	109506
17	Hakimpur Shankarganj	81	72	24	15	810000	864000	21600	4500	1700100	1190070	2040120	1428084	510030	612036	102006
18	Ibrahimpur Lal	20	17	6	4	200000	204000	5400	1200	410600	287420	492720	344904	123180	147816	24636
19	Jahangira Bad Milak	37	33	11	7	370000	396000	9900	2100	778000	544600	933600	653520	233400	280080	46680
20	Jamalpur Alam	21	19	8	4	210000	228000	7200	1200	446400	312480	535680	374976	133920	160704	26784
21	Jamalpur Bangar	14	13	5	3	140000	156000	4500	900	301400	210980	361680	253176	90420	108504	18084
22	Kalyanpur	11	10	4	2	110000	120000	3600	600	234200	163940	281040	196728	70260	84312	14052
23	Karamchand	37	33	13	7	370000	396000	11700	2100	779800	545860	935760	655032	233940	280728	46788
24	Kashmiri Abbnasarpur	77	69	25	14	770000	828000	22500	4200	1624700	1137290	1949640	1364748	487410	584892	97482
25	Kaudupura	3	3	0	1	30000	36000	0	300	66300	46410	79560	55692	19890	23868	3978
26	Kirar Kheri	34	31	11	6	340000	372000	9900	1800	723700	506590	868440	607908	217110	260532	43422
27	Latif Ullapur	14	14	4	3	140000	168000	3600	900	312500	218750	375000	262500	93750	112500	18750

S. N	Name of G.P.	Cow	Buffalo	Goat + Sheep	Poultry	Production value in Rs				Present		Proposed		Profit in Rs		Net Benefits, Rs
						Cows	Buffalo	Goat + Sheep	Poultry	Total production value of product	Total production cost, Rs	Total production value of product	Total production cost, Rs	Present production value, Rs	Proposed production value, Rs	
1	2	3	4	6	7	8	9	10	11	12	13	14	15	16	17	18
28	Majhera Sakru	4	3	2	1	40000	36000	1800	300	78100	54670	93720	65604	23430	28116	4686
29	Makrandpur Manak	23	20	7	4	230000	240000	6300	1200	477500	334250	573000	401100	143250	171900	28650
30	Mankua	7	7	2	1	70000	84000	1800	300	156100	109270	187320	131124	46830	56196	9366
31	Mauzampur Suraj	9	8	2	2	90000	96000	1800	600	188400	131880	226080	158256	56520	67824	11304
32	Mimla-2	22	20	7	4	220000	240000	6300	1200	467500	327250	561000	392700	140250	168300	28050
33	Mohammad Alipur Bhikan	99	89	32	19	990000	1068000	28800	5700	2092500	1464750	2511000	1757700	627750	753300	125550
34	Mohammad Parma	32	29	10	6	320000	348000	9000	1800	678800	475160	814560	570192	203640	244368	40728
35	Mozampur Zaitra	27	24	8	5	270000	288000	7200	1500	566700	396690	680040	476028	170010	204012	34002
36	Nangli Ladan	21	19	7	4	210000	228000	6300	1200	445500	311850	534600	374220	133650	160380	26730
37	Neendu Khas	21	19	6	4	210000	228000	5400	1200	444600	311220	533520	373464	133380	160056	26676
38	Pipalsana	47	42	14	9	470000	504000	12600	2700	989300	692510	1187160	831012	296790	356148	59358
39	Prithi Parbanwari	17	16	6	4	170000	192000	5400	1200	368600	258020	442320	309624	110580	132696	22116
40	Purainy	17	15	6	3	170000	180000	5400	900	356300	249410	427560	299292	106890	128268	21378
41	Raipur Malook	5	4	2	1	50000	48000	1800	300	100100	70070	120120	84084	30030	36036	6006
42	Sadullah Khanpur	47	42	15	9	470000	504000	13500	2700	990200	693140	1188240	831768	297060	356472	59412
43	Saidpuri Mehichand	3	3	2	1	30000	36000	1800	300	68100	47670	81720	57204	20430	24516	4086
44	Salawa	47	43	15	8	470000	516000	13500	2400	1001900	701330	1202280	841596	300570	360684	60114
45	Sedha	17	15	6	3	170000	180000	5400	900	356300	249410	427560	299292	106890	128268	21378
46	Sedhi	52	46	16	10	520000	552000	14400	3000	1089400	762580	1307280	915096	326820	392184	65364
47	Tapraula	58	52	18	11	580000	624000	16200	3300	1223500	856450	1468200	1027740	367050	440460	73410
48	Tibari	43	39	14	8	430000	468000	12600	2400	913000	639100	1095600	766920	273900	328680	54780
49	Wajidpur	23	20	7	4	230000	240000	6300	1200	477500	334250	573000	401100	143250	171900	28650
Total		1763	1585	560	332	17630000	19020000	504000	99600	37253600	26077520	44704320	31293024	11176080	13411296	2,235,216

7.1.4 Net Profit through Various Interventions

Sl. No.	Name of G.P.	Net Profit (Rs.)				yearly system profit					
		Cropping system	Horticulture	Animal Husbandry	Lively hood activities Net profit (Rs.)	I	II	III	IV	V	Total profit in Rs
1	2	5	8	11	13	14	15	16	17	18	21
1	Aas Khera Shanjarpur	2029458	428600	25356	842800	2054814	3411318	4434713	5765127	7635009	23300981
2	Aladinpur Bhogi	2997906	597680	49374	522500	3047280	4331600	5631080	7320404	9748185	30078549
3	Alipur_Bhatpura	909440	186560	118824	14000	1028264	1299330	1689129	2195868	2931395	9143985
4	Aminabad	779022	210720	20724	38600	799746	1038282	1349767	1754697	2404091	7346584
5	Athaishekh	61298	8400	78816	828000	140114	1003143	1304085	1695311	2127539	6270192
6	Aurangshahpur	322924	85820	46734	67200	369658	529272	688053	894470	1203907	3685359
7	Bara Khera Chauhan	1136504	214190	26730	325600	1163234	1779643	2313536	3007597	3973686	12237696
8	Basera Khurd	174442	28000	15972	4900	190414	242917	315792	410530	541162	1700816
9	Basera Narayanpur	2245540	467740	38088	348000	2283628	3202535	4163296	5412285	7233096	22294840
10	Bhatpana Khushahalpur	385960	84680	31362	41800	417322	563452	732488	952234	1274973	3940468
11	Chak Shahjani	1918827	566990	109506	14000	2028333	2549416	3314241	4308514	5952632	18153137
12	Daulatpur Sukha	1412305	252620	105474	255000	1517779	2152224	2797891	3637258	4799193	14904344
13	Dhampur Hussainpur	510472	95510	5406	14000	515878	658848	856502	1113453	1487326	4632008
14	Gajraula	282150	53140	152208	810500	434358	1353448	1759482	2287326	2912298	8746912
15	Gajupura	963739	227980	46680	412900	1010419	1675924	2178701	2832312	3768370	11465726
16	Hakeempur Narayan	518527	111420	109506	329800	628033	1114842	1449294	1884082	2466523	7542774
17	Hakimpur Shankarganj	583833	165610	102006	70800	685839	928099	1206529	1568488	2126220	6515175
18	Ibrahimpur Lal	458397	95880	24636	44200	483033	647992	842389	1095106	1464762	4533282
19	Jahangira Bad Milak	772136	176500	46680	5600	818816	1029120	1337856	1739212	2350515	7275518
20	Jamalpur Alam	1449731	276530	26784	814700	1476515	2660343	3458446	4495980	5896505	17987789
21	Jamalpur Bangar	677009	148960	18084	74000	695093	942866	1225726	1593444	2140765	6597894
22	Kalyanpur	104504	56990	14052	52300	118556	200495	260643	338836	480535	1399064
23	Karamchand	2106428	448970	46788	494000	2153216	3185521	4141177	5383530	7178382	22041826
24	Kashmiri Abbunasarpur	637459	192320	97482	170500	734941	1089177	1415930	1840708	2493206	7573961
25	Kaudupura	289615	80220	3978	23800	293593	390791	508028	660436	905765	2758613
26	Kirar Kheri	873344	194500	43422	25900	916766	1171857	1523414	1980439	2670048	8262525
27	Latif Ullapur	1588523	269480	18750	42800	1607273	2051891	2667458	3467695	4604099	14398416

Sl. No.	Name of G.P.	Net Profit (Rs.)				yearly system profit					
		Cropping system	Horticulture	Animal Husbandry	Lively hood activities Net profit (Rs.)	I	II	III	IV	V	Total profit in Rs
1	2	5	8	11	13	14	15	16	17	18	21
28	Majhera Sakru	35375	5600	4686	9800	40061	59876	77839	101191	132089	411057
29	Makrandpur Manak	153741	22400	28650	74000	182391	301988	392585	510361	660351	2047676
30	Mankua	1363059	319030	9366	484900	1372425	2200431	2860561	3718729	4967441	15119587
31	Mauzampur Suraj	1335284	271640	11304	5600	1346588	1688836	2195486	2854132	3839305	11924348
32	Mimla-2	2416242	471490	28050	33700	2444292	3089065	4015784	5220519	6997139	21766798
33	Mohammad Alipur Bhikan	858722	191700	125550	202000	984272	1432340	1862042	2420655	3217519	9916828
34	Mohammad Parma	628599	150530	40728	9800	669327	846459	1100397	1430516	1938675	5985373
35	Mozampur Zaitra	1709977	641220	34002	53300	1743979	2233274	2903256	3774232	5359011	16013751
36	Nangli Ladan	228670	45940	26730	29400	255400	348650	453245	589218	782463	2428976
37	Neendu Khas	1836933	515600	26676	330500	1863609	2660011	3458014	4495418	6134873	18611924
38	Pipalsana	2525311	616400	59358	46000	2584669	3276836	4259887	5537853	7538717	23197963
39	Prithi Parbanwari	1614467	337550	22116	518600	1636583	2564328	3333627	4333715	5754693	17622945
40	Purainy	370195	167430	21378	65600	391573	555066	721586	938062	1340007	3946294
41	Raipur Malook	1242681	266410	6006	18900	1248687	1579759	2053687	2669793	3603652	11155579
42	Sadullah Khanpur	1707982	356320	59412	528100	1767394	2737343	3558546	4626110	6138957	18828350
43	Saidpuri Mehichand	189601	43910	4086	14000	193687	256108	332941	432823	584939	1800498
44	Salawa	131236	19600	60114	329800	191350	568988	739684	961590	1221587	3683199
45	Sedha	795337	180500	21378	65600	816715	1086494	1412443	1836175	2475719	7627547
46	Sedhi	1359551	268900	65364	36900	1424915	1818044	2363457	3072495	4109518	12788430
47	Tapraula	1379819	238680	73410	15400	1453229	1831936	2381517	3095973	4108646	12871301
48	Tibari	129145	19600	54780	5600	183925	235506	306158	398005	517107	1640701
49	Wajidpur	920508	228350	28650	381400	949158	1567847	2038201	2649661	3540427	10745293
Total		49,121,929	11,104,810	2,235,216	9,947,100	51,357,145	74,143,531	96,386,590	125,302,568	167,733,019	514,922,853

7.1.5 Gram Panchayat wise cost of project under IWMP

Sl. No.	Name of Grampanchayat	Total, ha	Treatable area, ha	Administrative (10%)	EPA (4%)	TRG (5%)	DPR (1%)	Work (56%) NRM	Livelihood (9%)		Production system (10%)		ME (2%)	Consolidation (3%)	Total cost in Rs.
									Off-farm	On-farm	Farm machinery	Crop improvement			
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17
1	Aas Khera Shanjarpur	377.42	237.78	285336	47180	42250	28534	1111500	518000	10000	18600	258566	57068	85601	2462635
2	Aladinpur Bhogi	548.52	345.57	414684	69070	84500	41469	989500	320000	7500	44000	375240	82937	124406	2553306
3	Alipur_Bhatpura	168.55	106.19	127428	136580	42250	12743	900500	0	10000	4000	116704	25486	38229	1413920
4	Aminabad	152.03	95.78	114936	41085	42250	11494	738000	18000	7000	18600	104332	22988	34481	1153166
5	Athaishekh	10.72	6.75	8100	92500	42250	810	1010000	500000	20000	15600	4780	1620	2430	1698090
6	Aurangshahpur	62.81	39.57	47484	66700	42250	4749	312500	0	48000	2000	42312	9497	14246	589738
7	Bara Khera Chauhan	205.53	129.48	155376	47395	84500	15538	533500	200000	4000	0	140412	31076	46613	1258410
8	Basera Khurd	30.50	19.21	23052	36715	42250	2306	895000	0	3500	29600	17112	4611	6916	1061062
9	Basera Narayanpur	414.22	260.96	313152	56495	169000	31316	1011500	200000	20000	19000	282664	62631	93946	2259704
10	Bhatpana Khushahalpur	74.11	46.69	56028	49695	42250	5603	490500	20000	7000	4000	51296	11206	16809	754387
11	Chak Shahjani	385.71	243.00	291600	9545	169000	29160	724000	0	10000	12000	261604	58320	87480	1652709
12	Daulatpur Sukha	253.14	159.48	191376	115005	84500	19138	993500	120000	45000	4000	171656	38276	57413	1839864
13	Dhampur Hussainpur	92.16	58.06	69672	29025	113250	6968	200800	0	10000	68700	59116	13935	20902	2399568
14	Gajraula	51.00	32.13	38556	149570	37750	3856	412500	500000	7500	0	37288	7712	11567	1206299
15	Gajupura	183.59	115.66	138792	42360	75500	13880	365500	220000	43500	2000	123994	27759	41638	1094923
16	Hakeempur Narayan	96.33	60.69	72828	95750	37750	7283	543000	200000	7000	2000	65010	14566	21849	1067036
17	Hakimpur Shankarganj	115.96	73.05	87660	98390	75500	8766	1003000	18000	30000	22600	78842	17532	26298	1466588

Sl. No.	Name of Grampanchayat	Total, ha	Treatable area, ha	Administrative (10%)	EPA (4%)	TRG (5%)	DPR (1%)	Work (56%) NRM	Livelihood (9%)		Production system (10%)		ME (2%)	Consolidation (3%)	Total cost in Rs.
									Off-farm	On-farm	Farm machinery	Crop improvement			
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17
18	Ibrahimpur Lal	85.06	53.59	64308	44865	37750	6431	455500	18000	11000	2000	55726	12862	19293	727735
19	Jahangira Bad Milak	145.21	91.48	109776	63925	37750	10978	600500	0	4000	12000	97496	21956	32933	991314
20	Jamalpur Alam	263.75	166.16	199392	21465	75500	19940	443500	50000	10500	4000	176180	39879	59818	1550174
21	Jamalpur Bangar	126.23	79.53	95436	39490	37750	9544	243000	20000	30000	2000	86668	19088	28631	611607
22	Kalyanpur	26.58	16.75	20100	36945	37750	2010	200000	20000	14500	0	15558	4020	6030	356913
23	Karamchand	395.41	249.11	298932	62605	37750	29894	851500	30000	10000	0	265150	59787	89680	2005298
24	Kashmiri Abbunasarpur	128.59	81.01	97212	82655	113250	9722	878000	10000	7500	19000	87960	19443	29164	1443906
25	Kaudupura	57.56	36.27	43524	0	37750	4353	0	0	17000	0	40274	8705	13058	164664
26	Kirar Kheri	166.33	104.79	125748	61065	75500	12575	600500	0	18500	10000	115512	25150	37725	1082275
27	Latif Ullapur	283.29	178.48	214176	40165	37750	21418	431000	18000	10000	2000	192698	42836	64253	1074296
28	Majhera Sakru	6.18	3.90	4680	0	37750	458	0	0	7000	0	2796	936	1404	55024
29	Makrandpur Manak	26.88	16.93	20316	47380	75500	2032	322500	20000	30000	2000	15662	4064	6095	545549
30	Mankua	260.19	163.92	196704	31325	75500	19671	681000	30000	3500	19000	177326	39341	59010	1602377
31	Mauzampur Suraj	245.12	154.42	185304	31325	126750	18531	671000	0	4000	22600	168206	37061	55592	1320369
32	Mimla-2	441.95	278.43	334116	48070	81500	33412	721500	18000	3500	12000	297830	66824	100235	1716987
33	Mohammad Alipur Bhikan	162.81	102.57	123084	137020	40750	12309	1075500	10000	30000	12000	113312	24617	36926	1705518
34	Mohammad Parma	119.38	75.21	90252	58995	42250	9026	523500	0	7000	2000	79928	18051	27076	858078
35	Mozampur Zaitra	370.60	233.48	280176	53705	126750	28018	2766500	18000	17500	49400	255680	56036	84053	3735818
36	Nangli Ladan	41.75	26.30	31560	20915	42250	3156	697500	0	21000	19000	31546	6312	9468	882707
37	Neendu Khas	366.97	231.19	277428	47165	84500	27743	2056500	20000	7500	38100	254040	55486	83229	3131691

Sl. No.	Name of Grampanchayat	Total, ha	Treatable area, ha	Administrative (10%)	EPA (4%)	TRG (5%)	DPR (1%)	Work (56%) NRM	Livelihood (9%)		Production system (10%)		ME (2%)	Consolidation (3%)	Total cost in Rs.
									Off-farm	On-farm	Farm machinery	Crop improvement			
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17
38	Pipalsana	482.02	303.67	364404	74835	84500	36435	1239500	20000	10000	37000	327424	72881	109322	2376301
39	Prithi Parbanwari	301.51	189.95	227940	44390	169000	22794	1903500	318000	7000	33600	206532	45588	68382	3046726
40	Purainy	84.33	53.13	63756	43715	84500	6376	1385500	20000	24000	41100	55382	12750	19110	1756189
41	Raipur Malook	232.07	146.20	175440	27560	42250	17544	556000	0	13500	12000	161434	35088	52632	1093448
42	Sadullah Khanpur	316.06	199.12	238944	74140	168800	23895	1193500	320000	11500	16600	216802	47789	71684	2383654
43	Saidpuri Mehichand	36.36	22.91	27492	27400	84500	2750	285000	0	10000	4000	25094	5499	8248	479983
44	Salawa	22.94	14.46	17352	64420	42250	1736	622500	200000	7000	4000	13818	3471	5206	981753
45	Sedha	150.23	94.65	113580	44865	42250	11358	727360	20000	24000	10000	103144	22700	34074	1153331
46	Sedhi	250.58	157.87	189444	80455	42250	18945	868500	20000	3500	12000	171158	37889	56834	1500975
47	Tapraula	246.77	155.47	186564	90215	126750	18657	656000	0	11000	4000	169604	37310	55970	1356070
48	Tibari	22.69	14.29	17148	70465	42250	1710	982500	0	4000	20600	13768	3430	5145	1161016
49	Wajidpur	178.91	112.71	135252	47640	84500	13526	550500	220000	21000	12000	120804	27051	40576	1272849
Total		9266.58	5838.0	7005600	2802240	3502800	700560	39231360	5604000	700500	700700	6305440	1401120	2101680	70056000

7.2 Funds received under Watershed Developemnt Fund (WDF)

Funds received for people participation to WDF		
S.N.	Name of work	Rs in lakhs
A	NRM work category	
1	Contribution from NRM work on general category	5.6
2	Contribution from NRM work on SC/ST/Small / Marginal farmers category	0.7
3	SubTotal (A) (1+2)	6.3
B	Production system	
4	Contribution from general category	11.21
5	Contribution from SC/ST/Small/Marginal farmers category	1.4
6	Sub Total (B) (4+5)	12.61
Total (A+B) (Rs. in lakhs)		18.91

7.3 Cost: Benefit Analysis (NPV, BC Ratio and IRR)

Year	Cost	Discounted value of cost	Benefits	Discounted value of Benefits	IRR
0	14,416,505	14,416,505			(14,416,505)
1	30,943,212	28,130,193	51,357,145	34,238,097	6,107,904
2	37,370,481	30,884,695	74,143,531	32,952,680	2,067,986
3	34,899,680	26,220,646	96,386,590	28,558,990	2,338,343
4	13,722,860	9,372,898	125,302,568	24,751,124	15,378,226
5		-	167,733,019	22,088,299	22,088,299
Total	131,352,739	109,024,938	514,922,853	142,589,190	40%

B:C Ratio	1.31
NPV	33,564,252
IRR	40%

Chapter 8: Convergence

8.1 Gram Panchayat wise proposed convergence cost

Sl. No.	Name of G.P.	IWMP	NHM	MGNREGA				By Farmers			Total cost
		Total cost from IWMP	Cost of horti-system	Cost for animal production support	Cost of rodeside ree plantation	Cost of NRM works (MGNREGA part)	Total cost from MGNREGA	Contribution for hortisystem	Cost for rennovation of FB	Contribution towards PVC UGPL	
1	2	3	4	6	7	8	9	10	11	12	13
1	Aas Khera Shanjarpur	2462635	24200	307000	258600	415140	980740	24200	8142	302500	3,802,417
2	Aladinpur Bhogi	2553306	31910	614000	20400	413699	1048099	31910	5428	252500	3,923,153
3	Alipur_Bhatpura	1413920	10220	307000	242400	200645	750045	10220	5428	502500	2,692,333
4	Aminabad	1153166	14640	307000	71000	358423	736423	14640	8142	290000	2,217,011
5	Athaishekh	1698090	300	307000	0	295602	602602	300	8142	365000	2,674,434
6	Aurangshahpur	589738	5840	307000	15200	76930	399130	5840	2714	162500	1,165,762
7	Bara Khera Chauhan	1258410	10655	614000	0	119656	733656	10655	2714	112500	2,128,590
8	Basera Khurd	1061062	1000	307000	88600	350287	745887	1000	10856	355000	2,174,805
9	Basera Narayanpur	2259704	26380	1228000	272800	368000	1868800	26380	5428	277500	4,464,192
10	Bhatpana Khushahalpur	754387	4910	307000	187800	163796	658596	4910	5428	177500	1,605,731
11	Chak Shahjani	1652709	41255	1228000	145200	335296	1708496	41255	5428	215000	3,664,143
12	Daulatpur Sukha	1839864	11690	614000	523400	232567	1369967	11690	5428	377500	3,616,139
13	Dhampur Hussainpur	2399568	4745	921000	17200	849693	1787893	4745	24426	785000	5,006,377
14	Gajraula	1206299	2680	307000	204800	50126	561926	2680	0	337500	2,111,085
15	Gajupura	1094923	14260	614000	257000	164237	1035237	14260	2714	162500	2,323,894
16	Hakeempur Narayan	1067036	6540	307000	157200	109811	574011	6540	2714	150000	1,806,841

Sl. No.	Name of G.P.	IWMP	NHM	MGNREGA				By Farmers			Total cost
		Total cost from IWMP	Cost of horti-system	Cost for animal production support	Cost of rodeside ree plantation	Cost of NRM works (MGNREGA part)	Total cost from MGNREGA	Contribution for hortisystem	Cost for rennovation of FB	Contribution towards PVC UGPL	
1	2	3	4	6	7	8	9	10	11	12	13
17	Hakimpur Shankarganj	1466588	11695	614000	134600	291493	1040093	11695	8142	340000	2,878,213
18	Ibrahimpur Lal	727735	5310	307000	18600	125538	451138	5310	2714	87500	1,279,707
19	Jahangira Bad Milak	991314	10750	307000	0	217722	524722	10750	5428	252500	1,795,464
20	Jamalpur Alam	1550174	13985	614000	41200	219140	874340	13985	2714	202500	2,657,698
21	Jamalpur Bangar	611607	8770	307000	108400	133765	549165	8770	2714	100000	1,281,026
22	Kalyanpur	356913	5255	307000	12800	45658	365458	5255	2714	75000	810,595
23	Karamchand	2005298	25265	307000	285800	177568	770368	25265	0	87500	2,913,696
24	Kashmiri Abbunasarapur	1443906	14090	921000	0	301688	1222688	14090	8142	415000	3,117,916
25	Kaudupura	164664	5640	307000	0	25472	332472	5640	0	0	508,416
26	Kirar Kheri	1082275	11500	614000	69400	206495	889895	11500	5428	252500	2,253,098
27	Latif Ullapur	1074296	11510	307000	0	203336	510336	11510	2714	115000	1,725,366
28	Majhera Sakru	55024	200	307000	5200	1200	313400	200	0	0	368,824
29	Makrandpur Manak	545549	800	614000	24200	97366	735566	800	2714	152500	1,437,929
30	Mankua	1602377	19735	614000	83800	324883	1022683	19735	8142	215000	2,887,672
31	Mauzampur Suraj	1320369	14930	921000	0	385695	1306695	14930	8142	225000	2,890,066
32	Mimla-2	1716987	24505	614000	142400	331919	1088319	24505	5428	202500	3,062,244
33	Mohammad Alipur Bhikan	1705518	11400	307000	239200	226549	772749	11400	5428	477500	2,983,995
34	Mohammad Parma	858078	9485	307000	217600	132565	657165	9485	2714	137500	1,674,427

Sl. No.	Name of G.P.	IWMP	NHM	MGNREGA				By Farmers			Total cost
		Total cost from IWMP	Cost of horti-system	Cost for animal production support	Cost of rodeside ree plantation	Cost of NRM works (MGNREGA part)	Total cost from MGNREGA	Contribution for hortisystem	Cost for renovation of FB	Contribution towards PVC UGPL	
1	2	3	4	6	7	8	9	10	11	12	13
35	Mozampur Zaitra	3735818	52140	921000	245600	945686	2112286	52140	24426	847500	6,824,310
36	Nangli Ladan	882707	2530	307000	0	257821	564821	2530	8142	277500	1,738,230
37	Neendu Khas	3131691	36200	614000	85400	763054	1462454	36200	18998	607500	5,293,043
38	Pipalsana	2376301	39800	614000	197200	433430	1244630	39800	8142	377500	4,086,173
39	Prithi Parbanwari	3046726	18725	1228000	179400	564645	1972045	18725	13570	492500	5,562,291
40	Purainy	1756189	14535	614000	97000	571168	1282168	14535	16284	532500	3,616,211
41	Raipur Malook	1093448	15295	307000	19000	277775	603775	15295	5428	215000	1,948,241
42	Sadullah Khanpur	2383654	19840	1228000	404400	413967	2046367	19840	8142	402500	4,880,343
43	Saidpuri Mehichand	479983	2795	614000	12000	121697	747697	2795	2714	140000	1,375,984
44	Salawa	981753	700	307000	310800	116170	733970	700	2714	252500	1,972,337
45	Sedha	1153331	11000	307000	155200	203295	665495	11000	5428	177500	2,023,754
46	Sedhi	1500975	14050	307000	184600	253021	744621	14050	5428	302500	2,581,624
47	Tapraula	1356070	10410	921000	101200	228867	1251067	10410	5428	265000	2,898,385
48	Tibari	1161016	700	307000	33600	320106	660706	700	10856	417500	2,251,478
49	Wajidpur	1272849	14825	614000	45400	227249	886649	14825	5428	202500	2,397,076
Total		70,056,000	669,595	26,402,000	5,915,600	13,649,911	45,967,511	669,595	317,538	13,672,500	131,352,739

Chapter 9: Phasing of the works

9.1 Physical phasing

Physical phasing of the project								
Sl. No.	Works/Activity/Year	Total	I	II	III	IV	V	Total
A	EPA activities							
1	Vegetable seed packet distribution for backyard garden	14085	14085	0	0	0	0	14085
2	Protective cultivation - Menthos, Gladiolus etc.	7020	3510	3510	0	0	0	7020
3	RRWH Ferrocement tank : Backyard kitchen garden	43	0	17	13	13	0	43
4	Fodder on field bund BPL families	184	0	74	55	55	0	184
	Sub Total		17595	3601	68	68	0	21332
B	NRM Work							
1	Gabion RR masonry (6-7m x 1.5m)	69	0	14	21	28	6	69
2	Gabion RR Masonary (8-10m x 2m)	31	0	6	9	12	4	31
3	Spur RR Masonary (10x2x2m)	28	0	6	8	11	3	28
4	Fodder on field bund IV @250m per farmer (No.s)	4172	0	834	1252	1669	417	4172
5	PVC UGPL - Canal expansion - small and marginal farmers (60% IWMP)	49	0	10	15	20	4	49
6	PVC UGPL - Canal expansion - Big farmers (50% IWMP)	147	0	29	44	59	15	147
7	PVC UGPL - Tubewell - small and marginal farmers (75% IWMP)	49	0	10	15	20	4	49
8	PVC UGPL - Tubewell - Big farmers (50% IWMP)	150	0	30	45	60	15	150
9	Jheel/Taal to fishery pond	4	0	1	1	2	0	4
10	Contour bunding m ³	12636	0	2527	3791	5054	1264	12636
11	Spill-way from contour bund @1/10ha	19	0	4	6	8	1	19
12	Peripheral Bund m ³	14445	0	2889	4334	5778	1444	14445
13	Renovation of FB in meter @200mtr per farmer (m3) (MGNREGA)	446	0	89	134	178	45	446
14	Spill-way from farm fields	117	0	23	35	47	12	117
15	Silvi Pasture (ha)	88.98	0	18	27	36	7.98	88.98
16	Renovation of FB in meter @200mtr per farmer (m3) (25% by farmers)	117	0	23	35	47	12	117
17	PVC UGPL - Canal expansion - small and marginal farmers (40% farmers)	49	0	10	15	20	4	49
18	PVC UGPL - Canal expansion - Big farmers (50% farmers)	147	0	29	44	59	15	147
19	PVC UGPL - Tubewell - small and marginal farmers (75% farmers)	49	0	10	15	20	4	49
20	PVC UGPL - Tubewell - Big farmers (50% farmers)	150	0	30	45	60	15	150
	Sub Total		0.0	6592.0	9891.0	13188.0	3292.0	32963.0

Physical phasing of the project								
Sl. No.	Works/Activity/Year	Total	I	II	III	IV	V	Total
C	Production System							
a	Production System for crop innovation							
1	Wheat SWI	114	34.2	34.2	34.2	11.4	0.0	114.0
2	Autumn Sugarcane + Maize	147	44.1	44.1	44.1	14.7	0.0	147.0
3	Autumn sugarcane + Potato	160	48.0	48.0	48.0	16.0	0.0	160.0
4	Wheat + sugarcane overlapping system	195	58.5	58.5	58.5	19.5	0.0	195.0
6	Seed Treatment Demonstrations	129.99	39.0	39.0	39.0	13.0	0.0	130.0
7	Oil seed+ potato intercrop	221	66.3	66.3	66.3	22.1	0.0	221.0
8	Early vegetable	137	41.1	41.1	41.1	13.7	0.0	137.0
9	Paddy SRI	90.1	27.0	27.0	27.0	9.0	0.0	90.1
10	Arhar hybrid	99	29.7	29.7	29.7	9.9	0.0	99.0
11	Maiz + transplated Legume	79.8	23.9	23.9	23.9	8.0	0.0	79.8
12	Millet	60.1	18.0	18.0	18.0	6.0	0.0	60.1
13	Green manur (Dhaincha)	149.808	44.9	44.9	44.9	15.0	0.0	149.8
14	Zaid oilseed	150.992	45.3	45.3	45.3	15.1	0.0	151.0
15	Off season zaid vegetable	157.849	47.4	47.4	47.4	15.8	0.0	157.8
	Sub Total		567.5	567.5	567.5	189.2	0.0	1891.6
b	Production system for Farm machinery							
1	Cona weeder	86	17	26	26	9	8	86
2	Dry weeder for wheat, maize etc.	47	9	14	14	5	5	47
3	Multi-crop seed drills, one per village	5	1	2	2	1	-1	5
4	Ridge and Furrow maker	32	6	10	10	3	3	32
5	Tractor driven three ferrow Potato digger and planter	2	0	1	1	0	0	2
6	Manual Knapsack/foot operated sprayer	15	3	5	5	2	0	15
7	Power ed Knapsack sprayer/Power Operated Taiwan sprayer (capacity 8 - 12 lts)	18	4	5	5	2	2	18
8	Pusa Zero energy cool chamber (100 kg)	4	1	1	1	0	1	4
9	Mango harvesting device	14	3	4	4	1	2	14
	Sub Total		44	68	68	23	20	223
c	Work for Production Support							
1	NADEP	258	52	77	77	26	26	258

Physical phasing of the project								
Sl. No.	Works/Activity/Year	Total	I	II	III	IV	V	Total
2	Vermi pit	258	52	77	77	26	26	258
3	Fodder trough for cattle	172	34	52	52	17	17	172
4	Cow shelter	172	34	52	52	17	17	172
5	Goat shelter	86	17	26	26	9	8	86
6	Poultry shelter	86	17	26	26	9	8	86
	Sub Total		206	310	310	104	102	1032
D	Livelihood Activities							
a	Farm based activities							
1	Low plastic tunnel nursery	13	3	4	4	1	1	13
2	Button mushroom cultivation support	12	2	4	4	1	1	12
3	Vegetable preservation unit	10	2	3	3	1	1	10
4	Sheep rearing (2 sheeps/unit)	14	3	4	4	1	2	14
5	Poultry	10	2	3	3	1	1	10
6	Backyard poultry	11	2	3	3	1	2	11
7	Seed replacement	11	2	3	3	1	2	11
	Sub Total	510	16	24	24	7	10	81
b	Non-farm based activities							
1	Dairy establishment 1 per block @500,000	1	1	0	0	0	0	1
2	Mushroom cold storage and packaging @100,000	3	1	1	1	0	0	3
3	Poultry - Hatchery 1 per block @300,000	3	1	1	1	0	0	3
4	Cold storage for fruits and vegetables 1 per block @500,000	3	0	1	1	1	0	3
5	FPO for Bamboo-Cane furniture marketing 2 per block @300,000	2	0	1	1	0	0	2
6	Solar based mobile pump system @200,000	7	1	1	2	2	1	7
7	Pumpset repairing (20000)	6	1	1	2	1	1	6
8	Electrician (20000)	5	1	1	1	1	1	5
9	Plumbing (18000)	4	1	1	1	1	0	4
10	Shuttering work (18000)	4	0	1	1	1	1	4
11	Hand pump mechanic (20000)	2	0	1	1	0	0	2
	Sub Total		7	10	12	7	4	40
E	Agr- horticultutre and Plantation							
1	Mango rejuvenation ha	12.30	3.7	3.7	3.7	1.2	0.0	12.30

Physical phasing of the project								
Sl. No.	Works/Activity/Year	Total	I	II	III	IV	V	Total
2	Guava high density ha	6.13	1.8	1.8	1.8	0.6	0.0	6.13
3	Citrus/Orange in ha	29.20	8.8	8.8	8.8	2.9	0.0	29.20
4	Rodeside plantation (no.s)	29578	8873	8873	8873	2959	0	29578
	Sub Total		8887.29	8887.29	8887.29	2963.76	0.00	29625.63
F	Training							
1	SLNA and line department	25	3	5	8	5	4	25
2	Watershed cum data cell	25	3	5	8	5	4	25
3	PIA	25	3	5	8	5	4	25
4	WDT	50	5	10	15	10	10	50
5	User Group	96	10	19	29	19	19	96
6	SHG	150	15	30	45	30	30	150
7	Watershed committee	96	10	19	29	19	19	96
8	Other volunteers	25	3	5	8	5	4	25
9	Watershed community and farmers	25	3	5	8	5	4	25
	Sub Total	517	55	103	158	103	98	517
G	DPR	1	1	0	0	0	0	1
H	ME	5	1	1	1	1	1	5
I	Administrative	5	1	1	1	1	1	5
J	Consolidation (3%)	1	0	0	0	0	1	1

9.2 Financial phasing

Financial phasing of the project							
Sl. No.	Works/Activity/Year	I	II	III	IV	V	Total
A	EPA activities						
1	Vegetable seed packet distribution for backyard garden	211275	0	0	0	0	211,275
2	Protective cultivation - Menthos, Gladiolus etc.	702000	702000	0	0	0	1,404,000
3	RRWH Ferrocement tank : Backyard kitchen garden	0	378335	289315	289315	0	956,965
4	Fodder on field bund BPL families	0	92500	68750	68750	0	230,000
	Sub Total	913275	1172835	358065	358065	0	2,802,240
B	NRM Work						
1	Gabion RR masonry (6-7m x 1.5m)	0	252000	378000	504000	109860	1,243,860
2	Gabion RR Masonary (8-10m x 2m)	0	210000	315000	420000	140000	1,085,000
3	Spur RR Masonary (10x2x2m)	0	300000	400000	550000	150000	1,400,000
4	Fodder on field bund IV @250m per farmer (No.s)	0	1042500	1565000	2086250	521250	5,215,000
5	PVC UGPL - Canal expansion - small and marginal farmers (60% IWMP)	0	600000	900000	1200000	240000	2,940,000
6	PVC UGPL - Canal expansion - Big farmers (50% IWMP)	0	1450000	2200000	2950000	750000	7,350,000
7	PVC UGPL - Tubewell - small and marginal farmers (75% IWMP)	0	375000	562500	750000	150000	1,837,500
8	PVC UGPL - Tubewell - Big farmers (50% IWMP)	0	750000	1125000	1500000	375000	3,750,000
9	Jheel/Taal to fishery pond	0	300000	300000	600000	0	1,200,000
10	Contour bunding m ³	0	169309	253997	338618	84688	846,612
11	Spill-way from contour bund @1/10ha	0	800000	1200000	1600000	200000	3,800,000

Financial phasing of the project							
Sl. No.	Works/Activity/Year	I	II	III	IV	V	Total
12	Peripheral Bund m ³	0	193563	290378	387126	96748	967,815
13	Renovation of FB in meter @200mtr per farmer (m3) (MGNREGA)	0	966006	1454436	1932012	488430	4,840,884
14	Spill-way from farm fields	0	2875000	4375000	5875000	1500000	14,625,000
15	Silvi Pasture (ha)	0	360000	540000	720000	159600	1,779,600
16	Renovation of FB in meter @200mtr per farmer (m3) (25% by farmers)	0	62422	94990	127558	32568	317,538
17	PVC UGPL - Canal expansion - small and marginal farmers (40% farmers)	0	400000	600000	800000	160000	1,960,000
18	PVC UGPL - Canal expansion - Big farmers (50% farmers)	0	1450000	2200000	2950000	750000	7,350,000
19	PVC UGPL - Tubewell - small and marginal farmers (25% farmers)	0	125000	187500	250000	50000	612,500
20	PVC UGPL - Tubewell - Big farmers (50% farmers)	0	750000	1125000	1500000	375000	3,750,000
	Sub Total	0	13430800	20066801	27040564	6333144	66,871,309
C	Production System						
a	Production System for crop innovation						
1	Wheat SWI	136800	136800	136800	45600	0	456,000
2	Autumn Sugarcane + Maize	198450	198450	198450	66150	0	661,500
3	Autumn sugarcane + Potato	240,000	240,000	240,000	80,000	-	800,000
4	Wheat + sugarcane overlapping system	234,000	234,000	234,000	78,000	-	780,000
6	Seed Treatment Demonstrations	249,581	249,581	249,581	83,194	-	831,936
7	Oil seed+ potato intercrop	265,200	265,200	265,200	88,400	-	884,000
8	Early vegetable	41,100	41,100	41,100	13,700	-	137,000
9	Paddy SRI					-	

Financial phasing of the project							
Sl. No.	Works/Activity/Year	I	II	III	IV	V	Total
		67,575	67,575	67,575	22,525		225,250
10	Arhar hybrid	59,400	59,400	59,400	19,800	-	198,000
11	Maiz + transplated Legume	47,880	47,880	47,880	15,960	-	159,600
12	Millets	27,045	27,045	27,045	9,015	-	90,150
13	Green manur (Dhaincha)	89,885	89,885	89,885	29,962	-	299,616
14	Zaid oilseed	45,298	45,298	45,298	15,099	-	150,992
15	Off season zaid vegetable	189,419	189,419	189,419	63,140	-	631,396
	Sub Total	1,891,632	1,891,632	1,891,632	630,544	-	6,305,440
b	Production system for Farm machinary						
1	Cona weeder	34000	52000	52000	18000	16000	172,000
2	Dry weeder for wheat, maize etc.	18000	28000	28000	10000	10000	94,000
3	Multi-crop seed drills, one per village	5000	10000	10000	5000	-5000	25,000
4	Ridge and Furrow maker	36000	60000	60000	18000	18000	192,000
5	Tractor driven three ferrow Potato digger and planter	0	25000	25000	0	0	50,000
6	Manual Knapsack/foot operated sprayer	3900	6500	6500	2600	0	19,500
7	Power ed Knapsack sprayer/Power Operated Taiwan sprayer (capacity 8 - 12 lts)	28000	35000	35000	14000	14000	126,000
8	Pusa Zero energy cool chamber (100 kg)	4500	4500	4500	0	4500	18,000
9	Mango harvesting device	900	1200	1200	300	600	4,200
	Sub Total	130300	222200	222200	67900	58100	700,700

Financial phasing of the project							
Sl. No.	Works/Activity/Year	I	II	III	IV	V	Total
c	Work for Production Support						
1	NADEP	468000	693000	693000	234000	234000	2,322,000
2	Vermi pit	520000	770000	770000	260000	260000	2,580,000
3	Fodder trough for cattle	1360000	2080000	2080000	680000	680000	6,880,000
4	Cow shelter	1530000	2340000	2340000	765000	765000	7,740,000
5	Goat shelter	680000	1040000	1040000	360000	320000	3,440,000
6	Poultry shelter	680000	1040000	1040000	360000	320000	3,440,000
	Sub Total	5238000	7963000	7963000	2659000	2579000	26,402,000
D	Livelihood Activities						
a	Farm based activities						
1	Low plastic tunnel nursery	30000	40000	40000	10000	10000	130,000
2	Button mushroom cultivation support	15000	30000	30000	7500	7500	90,000
3	Vegetable preservation unit	20000	30000	30000	10000	10000	100,000
4	Sheep rearing (2 sheeps/unit)	21000	28000	28000	7000	14000	98,000
5	Poultry	40000	60000	60000	20000	20000	200,000
6	Backyard poultry	7000	10500	10500	3500	7000	38,500
7	Seed replacement	8000	12000	12000	4000	8000	44,000
	Sub Total	141000	210500	210500	62000	76500	700,500
b	Non-farm based activities						
1	Dairy establishment 1 per block @500,000	500000	0	0	0	0	500,000

Financial phasing of the project							
Sl. No.	Works/Activity/Year	I	II	III	IV	V	Total
2	Mushroom cold storage and packaging @100,000	100000	100000	100000	0	0	300,000
3	Poultry - Hatchery 1 per block @300,000	300000	300000	300000	0	0	900,000
4	Cold storage for fruits and vegetables 1 per block @500,000	0	500000	500000	500000	0	1,500,000
5	FPO for Bamboo-Cane furniture marketing 2 per block @300,000	0	300000	300000	0	0	600,000
6	Solar based mobile pump system @200,000	200000	200000	400000	400000	200000	1,400,000
7	Pumpset repairing (20000)	20000	20000	40000	20000	20000	120,000
8	Electrician (20000)	20000	20000	20000	20000	20000	100,000
9	Plumbing (18000)	18000	18000	18000	18000	0	72,000
10	Shuttering work (18000)	0	18000	18000	18000	18000	72,000
11	Hand pump mechanic (20000)	0	20000	20000	0	0	40,000
	Sub Total	1158000	1496000	1716000	976000	258000	5,604,000
E	Agr- horticultutre and Plantation						
1	Mango rejuvenation ha	110700	110700	110700	36900	0	369,000
2	Guava high density ha	115857	115857	115857	38619	0	386,190
3	Citrus/Orange in ha	175200	175200	175200	58400	0	584,000
4	Rodeside plantation (no.s)	1774600	1774600	1774600	591800	0	5,915,600
	Sub Total	2176357	2176357	2176357	725719	0	7,254,790
F	Training						
1	SLNA and line department	25800	43000	68800	43000	34400	215,000

Financial phasing of the project							
Sl. No.	Works/Activity/Year	I	II	III	IV	V	Total
2	Watershed cum data cell	87720	146200	233920	146200	116960	731,000
3	PIA	15456	25760	41216	25760	20608	128,800
4	WDT	30100	60200	90300	60200	60200	301,000
5	User Group	71667	136167	207833	136167	136167	688,000
6	SHG	64800	129600	194400	129600	129600	648,000
7	Watershed committee	29115	55318	84432	55318	55318	279,500
8	Other volunteers	30960	51600	82560	51600	41280	258,000
9	Watershed community and farmers	30420	50700	81120	50700	40560	253,500
	Sub Total	386037.25	698544.375	1084581.63	698544.375	635092.375	3,502,800
G	DPR	700,560	0	0	0	0	700,560
H	ME	280224	280224	280224	280224	280224	1,401,120
I	Administrative	1401120	1401120	1401120	1401120	1401120	7,005,600
J	Consolidation (3%)	0	0	0	0	2,101,680	2,101,680
	Grand Total of A+B+C+D+E+F+G+H+I+J	14,416,505	30,943,212	37,370,481	34,899,680	13,722,860	131,352,739

Chapter 10: Consolidation and post-project management

Watershed development projects can render sustainable production through the execution of rain water management programme with appropriate combination of environmental balance, community participation and institutionalization of process. The strategic planning for the post project management is elaborated as under:

10.1 Activity of consolidation and post project management phase

SL. No.	Activity
1	Preparation of project completion report
2	Preparation of GPS based inventory of developed infrastructure
3	Documentation of success stories
4	Preparation of feed back and suggestion note for watershed committee
5	Documentation of procedure for management and utilization of infrastructure developed under the project
6	Documentation of procedure for maintenance of infrastructure developed under the project
7	Documentation of utilization of watershed development fund (WDF)
8	Documentation of quality and sustainability issues

10.2 Adoption of eco-friendly conservation measures

The conservation measures taken up in the watershed should be long lasting with sustainability. Along with engineering measures, efforts would also be made to reinforce the vegetative cover around the earthen structures, on the slopes, on bunds, and on barren lands through protection of the process of natural regeneration and by planting appropriate vegetation with combination of grass/shrubs and trees. The stream banks would also be vegetated and stabilized to create a buffer zone between land and water body. Such vegetation and physical measures helps in stabilizing streams banks, augmenting ground water recharge and improving the riparian habitat.

The diversity of watershed development measures is the key to sustainability. Combination of drainage line management, agro-horticulture and forestry measures including plantation of shallow and deep-rooted plants, fast and slow growing plants, productive and medical plants and herbs will be encouraged. The watershed development measures will ultimately help recharge the rainwater to the ground water, improve soil moisture optimally and provide tangible and intangible benefits to the community and environment as a whole.

Land use pattern will go hand in hand with carrying capacity of the watershed. Optimum use of water and increased use of organic fertilizers is the key to conserve the precious land sources. Excessive fertilization and over irrigation leads to permanent damage of soil, land and groundwater. It is important to maintain soil quality through crop management. Crop diversity, intercropping, and crop rotation help in improving the micro flora and fauna present in the soil and maintaining the healthy symbiotic subsystem relationship. Extensive use of measures like Integrated Pest Management (IPM) and Integrated Pest and Nutrient Management (IPNM) would be practiced.

10.3 Participation of local community in development and management

During the planning phase the local peoples' participation will be ensured and it is planned that the involvement during implementation and post project maintenance will be

maintained. However, participation without empowerment does not help in achieving sustainable development. Community will be made aware of different concepts and options for their livelihood and natural resource management. Local wisdom is important in understanding rural dynamics that includes the interface between human behaviour and its economic/ecological implications. The interest among the community will be created and maintained by adopting the measures in such a manner that they provide immediate, medium and long term benefits to the community.

10.4 Institutionalization for post project management

A dynamic institutional arrangement is necessary for project management, facilitation of benefit sharing and maintenance of the resources. This is usually achieved through formation of user groups for different resources/assets created as well as through other village level organizations. In-built system and mechanism will be developed for qualitative growth and dynamism of the organizations. The community organizations will be linked to other Government and Non Government institutes of interest. Therefore potential people's organizations would be formed in the project area viz watershed level organization and users groups.

10.4.1 Watershed level committee

Watershed level organization viz; water and watershed management committees will be established right from the beginning of the project. The overall planning, co ordination, management and maintenance are possible through this representative body. This clearly implies representation from different sections of the community – landholders and landless, men and women, thus bringing people from all section of the society, gram panchayat and other existing political or non political organizations.

10.4.2 User Groups (UGs) and Self Help Groups (SHGs)

Few other categories of institutions are formed of various groups with common areas of interest in the project area. These include, depending upon necessity, SHGs of women and men, UGs for common assets, etc. The capacities of different groups will be developed from time to time for effective functioning of the groups. A mechanism will be developed to ensure continuity, both in learning, functioning and actions that form responsibilities of such groups during the implementation project activities.