

GOVERNMENT OF RAJASTHAN
RURAL DEVELOPMENT & PANCHAYATI RAJ DEPARTMENT
(WATERSHED DEVELOPMENT & SOIL CONSERVATION)



NAME OF PROJECT	:	DHOLPUR (IWMP – VIII) BASERI
EFFECTIVE AREA OF PROJECT	:	3075 Ha.
COST/HA.	:	0.12 Lac.
COST OF PROJECT	:	369.00 Lac.
BLOCK	:	BASERI
DISTRICT	:	DHOLPUR

PIA – ASSISTANT ENGINEER
W.D. & S.C., P.S. - BASERI

PROJECT MANAGER, WCDC
W.D. & S.C., DISTRICT - DHOLPUR

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CERTIFICATE

Certified that the undersigned have proposed the appropriate and need based activities required in the watershed project area with active participation of beneficiaries along with consultation of Watershed Committees (WCs). Approval of Watershed Project Plan and DPR has been obtained from WC, Gram Sabah. The plan and DPR document of **IWMP-VIII** Project, at P.S. – Baseri District – Dholpur is technically sound, viable and appropriate for implementation during the period 2011-12 to 2017-18.

We recommend that this plan to be sanctioned and put to implementation.

Signature Chairman/	Signature Secretary WC	Signature WDT members	Signature Junior Engineer P.S.Baseri	Signature Assistant Engineer & PIA P.S.- Baseri	Signature Project Manager,WCDC Distt.- Dholpur
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1
2
3
4

Detail of Project

1. Name of Project : IWMP–VIII/2011-12 Konesa–II
2. Sanction No. & date of Project :
3. Macro & Micro No. : 5/7,8,9,10,11,12,13,14,15,24
4. Deviation from Project Sanctioned :

Items	As per Project Sanctioned		As proposed in DPR	
	Project Name	No. Of G.P	No. Of Villages	No. Of Villages
IWMP VI	7	16	7	14

Items	As per Project Sanctioned	As proposed in DPR
Project Area	3075 Ha.	3075 Ha.
Macro/Micro No	5/7,8,9,10,11,12,13,14,15,24	5/7,8,9,10,11,12,13,14,15,24
Name of Gram Panchayats	Sarmathura, Domai, Madasil, Bijholi Kharoll Golari	Sarmathura, Domai, Madasil, Chandrawali
Name of Villages	Sarmathura, Narayanpura, Dadroni, Urdupura, Jakha, Mugalpura, Gendpura, Kanchanpura, Mothiyapura, Kninnot, Madsil, Konesa, Mahrapura, Harlalpura, Khurdia, Peveni, Dhanera,	Rijhoni, Barapura, Chandrawali, Kanchanpura, Kota, Domai, Ghari, Narayanpura, Durgasi, Harlalpura, Peveni, Konesa, Padampura, Sarmathura, Gendpura,
Project Cost (Rs. in Lakhs)	369.00 Lac.	369.00 Lac.

• CHAPTER – I

INTRODUCTION

Location.

The Project is located in Baseri Block, of Dholpur District. The project area is between the Latitudes 26° 33' 30" & 77° 20' 30" Longitudes. It is at a distance of 10 km from its Block head quarters and 35 Kms from the district head quarters. There is 14 No. of habitations in the Project area and other details are given below.

General features of watershed

S. No.	Name of Project (as per GOI)	Baseri (IWMP) 6/2011-12
(a)	Name of Catchment	Chambal River
(b)	Name of watershed area (Local Name)	IWMP 8 Baseri
(c)	Project Area	3075 Ha
(d)	Net treatable Area	3075 Ha
(e)	Cost of Project	369.00Lack
(f)	Cost/hectare	12000/- Per Ha
(g)	Year of Sanction	2011-12
(h)	Watershed Code	08090508-9-10-11-12-13-14-15-24
(i)	No. of Gram Panchayats in project area	4 No
(j)	No. of villages in project area	16 No
(k)	Type of Project	Other
(l)	Elevation (metres)	110-170 m
(m)	Major streams	9.720K.M.
(n)	Slope range (%)	0-3%

S. No.	Name of Gram Panchayat	Macro/Micro	Name of Villages Covered	Census code of villages	Area in W/S (Ha)
1	Chandrawali	5/7,8,9,10,11,12,13,14,15,24	Rijhoni	808000101116400	60
2			Barapura	808000101116500	163
3			Chandrawali	808000101116900	443
			TOTAL		666
4	Domai		Kanchanpura	808000101117000	99
5			Kota	808000101117200	227
6			Domai	808000101117400	302
7			Ghari	808000101117500	256
8			Narayanpura	808000101117300	28
			TOTAL		912
9	Madasil		Durgasi	808000101111400	223
10			Pabaini	808000101111800	274
11			Harlalpura	808000101114900	147
12			Konesa	808000101115000	224
			TOTAL		868
13	Sarmathura		Padampura	808000101114300	30
14		Baraipura	808000101114400	101	
15		Sarmathura	808000101114600	405	
16		Gendapura	808000101114700	93	
		TOTAL		629	
GRAND TOTAL					3075

The watershed falls in Agro climatic Zone IV. The soil texture is Sandy Loom . The average rainfall is 58.98 cm. The temperatures in the area are in the range between 31-48 centigrade during summer and 5-23 centigrade during winter. The major crops in the area are 1009 Ha (Bajra , Wheat, Gram & Mastered, Sarson), 32.81% land is under cultivation, 16.13% land fallow, 51.05% land is wasteland. 10.40% land is irrigated through well, Tube well & Minor Irrigation Project. Of G.P. Tanks

1250 No of households are BPL (29.39% households) 750 are landless households (17.63% households) and 3159 household are small and marginal farmers(74.29%household). Average land holding in the area is 0.43 ha. 22.40% area is single cropped area and 10.40% is double cropped. The main source of irrigation is well & Tube well. The average annual rainfall (10 years) in the area is 589.80 mm. The Major streams in the Watershed are 9.72 Km. the major festivals in the village are Dashera, Deepawali & Holi. At present those villages of Project Area having 32051 No population with Communities like SC, ST, Jat, Gurjar & Other.

Climatic and Hydrological information

1 Average Annual Rainfall (mm)

	Year	Average Annual Rainfall(mm)
1	2002	358.00
2	2003	618.00
3	2004	283.00
4	2005	575.00
5	2006	907.00
6	2007	420.00
7	2008	621.50
8	2009	560.50
9	2010	532.00
10	2011	387.00
11	2012	636.00
Average Rainfall (Last 10 Years)		536.18 mm

2. Average Monthly rainfall (Last Ten Years)

	Month	Rainfall(mm)
i)	June	85.3
ii)	July	228.5
iii)	August	208.99
iv)	September	59.02

3. Maximum rainfall intensity (mm)

	Duration	rainfall intensity(mm)
(i)	15 minute duration	37 mm
(ii)	30 minute duration	65 mm
(iii)	60 minute duration	80 mm

4. Temperature (Degree C)

	Season	Max	Min
(i)	Summer Season	48	31
(ii)	Winter Season	23	5
(iii)	Rainy Season	38	17

5. Potential Evaporation Transpiration (PET) (mm/day)

	Season	PET
(i)	Summer	15
(ii)	Winter	5
(iii)	Rainy	8

6. Runoff

(i)	Peak Rate (cum/hr)	1751040 (Cum./Hr.)		
(ii)	Total run off volume of rainy season (ha.m.)	35.825		
(iii)	Time of return	5 Years	10 Years	In - Years
	(a) maximum flood	Nil	Nil	Nil
(iv)	(b) Periodicity of Drought in village area	Yes	Yes	No

Other Development Schemes in the project area

S. No	Scheme	Name of the department	Key interventions under the Scheme	Targeted Beneficiaries	Provisions under the Scheme
1.	MNREGA	ZILA PARISHAD DHOLPUR	CVH (m.)	25741	208.779
			FARM POND	34	
			Nadi In PD Block	0	
			Pasture Development (Private)	11046	
			Horticulture Plantation	59	
			CVH Other Alu	329	
			CVH Other Alu+Kar	139	
			Flower Farming	16	
2.	HORTICULTURE	A.D. Horticulture	Masala Farming	20	23.310
			Madison Farming	7	
			Bans Production	22	
			Green House	8	
3.	ANIMAL HUNBANDARY	Dy. director Veterinary	Fish	0	31.488
			Hen	11	
			A.I.	4000	
			A.H. Camp	8	
			Animal Insurance Policy	1767	
4.	AGRICULTURE	Dy. Director Agriculture	Zipsam	44	14.788
			Irrigation Pipeline	16	
			Sprinkler System	12	
			Drip Irrigation	14	
5.	Social Welfare		Higher education	51	5.10
6.	Rudest/LFS		Technical Training	45	4.50
7.	Others		Jevik bad	63	9.891

Details of infrastructure in the project areas:-

Parameters		Status			
(i)	No. of villages connected to the main road by an all-weather road	16 No.			
(ii)	No. of villages provided with electricity	16No.			
(iii)	No. of households without access to drinking water	0			
(iv)	No. of educational institutions :	(P)	(UPS)	(HS)	(VI)
	Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	16	4	1	
(v)	No. of villages with access to Primary Health Centre	1			
(vi)	No. of villages with access to Veterinary Dispensary	0			
(vii)	No. of villages with access to Post Office	1			
(viii)	No. of villages with access to Banks	1			
(ix)	No. of villages with access to Markets/ mandis	2			
(x)	No. of villages with access to Agro-industries	0			
(xi)	Total quantity of surplus milk	3			
(xii)	No. of milk collection centres	(U)	(S)	(PA)	(O)
	(e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	0	8	41	0
(xiii)	No. of villages with access to Anganwadi Centre	22			
(xiv)	Any other facilities with no. of villages (please specify)	4No. (Rajiv Gandhi Seva Kendra)			
(xv)	Nearest KVK	Dholpur			
(xvi)	cooperative society	7			
(xvii)	NGOs	Nil			
(xviii)	Credit institutions				
	(i) Bank	Nil			
	(ii) Cooperative Society	7			
(xix)	Agro Service Centre's	Nil			

Institutional arrangements (SLNA, DWDU, PIA, WDT, WC, Secretary)**DWDU Details**

1	2	3
S.No	Particulars	Details of DWDU
1.	PM, DWDU	Sh. Ashok Kumar Umesh
2.	Address with contact no., website	Zila Parisad Dholpura
3.	Telephone	05642-220776
4.	Fax	
5.	E-mail	dwdu.dholpur@gmail.com

PIA particulars

1	2	3
S. No	Particulars	Details of PIA
6.	Name of PIA	Sh. Ram Jeet Singh
7.	Designation	Assistant Engineer
8.	Address with contact no., website	P.S. Bari
9.	Telephone	9530304128
10.	Fax	
11.	E-mail	

WDT Particulars:

1	2	3	4	5	6	7	8
S. No	Name of WDT member	M/F	Age	Qualification	Experience in watershed(Yrs)	Description of professional training	Role/ Function
1	HIRESH KUMARI	F		B. A.	2 YEAR	Social Scientist	For Make of SHG
2	GORAV KUMAR	M		M. Sc	2 YEAR	Agriculture Scientist	
3	RASHMI SHARMA	F		B. Tech	2 YEAR	Engineer	
4							

Problems and scope of improvement in the project area

The socio economic conditions of the area can be improved through increased production which can be achieved through expansion in cultivated area and productivity 1009 Ha. Land is Arable & 2066 Ha. Waste Land. 99 Ha. is Fallow Land can be brought under cultivation.

320 Ha. is only Irrigated and with efforts this can be increased to 500 Ha. The productivity gap of major crops in the area as compared with district and with areas in the same agro climatic zones indicate potential to increase the productivity. The demonstration of improved package of practices, improved varieties, increased irrigation facilities and soil conservation measures under the project can bridge this gap. Due to small land holdings in the area focus of the project would be on diversification in agriculture (horticulture, vegetables, green houses, Agro forestry, fodder crops)and diversification in Livelihoods(Agriculture, Animal husbandry, self employment)

51315 Quintal fodder scarcity can be met out through Pasture development. Improved animal Husbandry practices can increase the productivity of livestock. 152 no of persons migrate due to lack of employment at village level, this migration can be checked through creation of employment opportunities in the project area through increase in production and diversification in agriculture and Livelihoods as mentioned above.

1. Soil Erosion

Soil of Baseri is moderately to severely erode mainly by rivers and nallahs, mostly during the rainy months. Besides, stagnation of water has given rise to the problem of salinity and alkalinity.

2. Socio-Demographic Profile

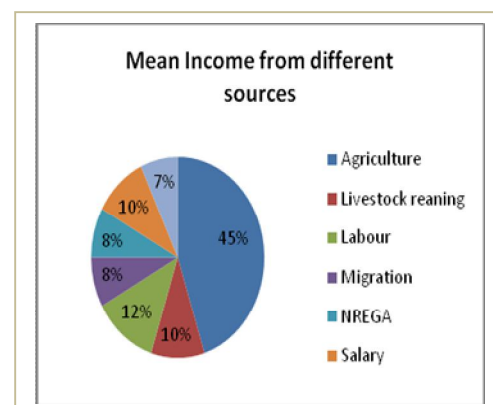
The project area consists of a total population of 32051 with nearly 17.56% of the population belonging to the Scheduled Caste and 22.36% of the population Scheduled Tribe communities. The sex ratio in the area is 892. The area has a low level of literacy of 36.50% as compared to 72.84% at the State level. With the female literacy rate being a mere 9.72%, the status of literacy in the area is one of the indicators of the deplorable plight of the women in the area.

Table 3: Demographic Profile of Baseri Project Area	
POPULATION	
Total population	32051
Male Population (%)	52.84
Female Population (%)	47.15
Sex ratio (female per thousand males)	892
% Population of Scheduled Caste	17.56
% Population of Scheduled Tribe	22.36
Literacy rate Total (percent)	36.50
Literacy rate male (percent)	26.78
Literacy rate female (percent)	9.72

Source: Government of Rajasthan and Census of India

3. Livelihood Profile

Agriculture and animal husbandry have been central to the livelihoods of the people living in this area. Frequent occurrences of drought in the recent years has however, increased the vulnerability of the farming communities. Increased pressure on land, decline in the productivity of agricultural land combined with shrinking of forests and common pasture land has threatened the viability of farming as a primary livelihood option in the area. Only 45% of the income is derived from farming and the people have to resort to other options for sustaining their families. Low levels of literacy, absence of programmes for developing skills particularly in the non-farm sector and limited access to basic infrastructural facilities and services has impinged on the people's right to choose the best livelihood option. Migration can be seen as a prominent phenomenon with nearly 12% of the income coming from migration. Launch of MGNREGA has helped in generating employment in the area with about 12% of the income of the people being derived from working on MGNREGA sites.



4. Agriculture

Land and water resources have been the key drivers of farm based production systems which form the predominant source of livelihoods of the people in this area. The area is characterized by land based economy. Land has also been crucial in defining the social and political relations of the people in the area. 17.66% of the households are landless while 74.29% are small and marginal farmers. With very low landholdings and subject to vagaries of nature agriculture remains a high risk-low input-low output activity.

The area mostly has sandy loam to clay loam soil where the percolation of water ranges from good to medium. Most of the soil is calcareous while in some patches, saline and alkaline soil is also found. The soil is moderately to severely eroded mainly by rivers and nallahs. Substitution of organic fertilizer with chemical fertilizer has further worsened the soil quality. The nature of agriculture and farming practices is also strongly conditioned by the availability of water. Depletion in the surface as well as ground water resources has adversely affected agriculture. Some of the villages in the area have access to canal and tank irrigation; wells are the most common source of irrigation. The farmers mostly use engine to draw water for irrigation from wells. Besides, flood irrigation is a common practice that can be found in the area.

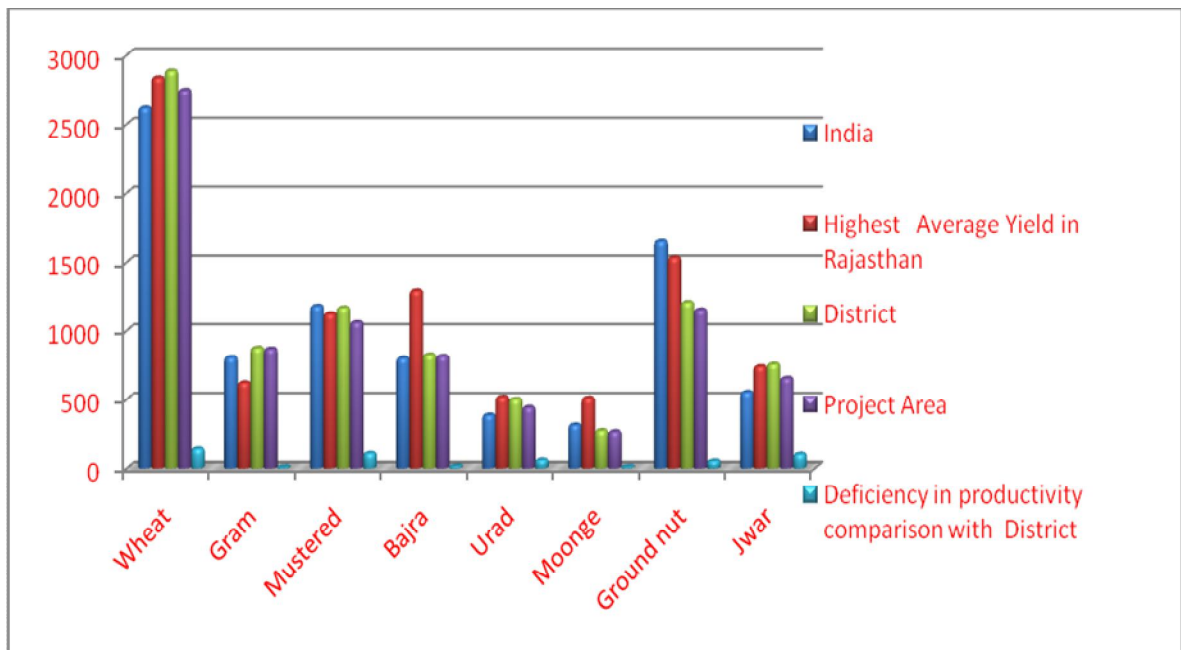
Kharif is the main cropping season in the area. Major cereals grown during Kharif include maize, bajra and jowar. Crop production during *Rabi* remains limited to such farmlands which have access to irrigation. Wheat is the main cereal crop grown during *Rabi*. Besides cereal crops, pulses, fodder crops like *Rajka* and oilseeds such as groundnut and mustard are also cultivated in the area. Over the years, the agricultural practices have undergone a remarkable change in the area. Besides the traditional plough, tractors are also being increasingly used. Chemical fertilizer is used intensively. The types of seeds, pesticide and fertilizer across the different villages in the area are detailed in the tables below:

Cropping Status												
S. No	Season	Crop Shown	Rainfed				Irrigated				Total	
			Varieties	Area (Ha.)	Production (Tun)	Productivity (kg/ha)	Varieties	Area (Ha.)	Production (Tun)	Productivity (kg/ha)	Area (Ha.)	Production (Tun)
1	Kharif	BAZARA	MK-30	485	395.76	816	MK-30	30	24.54	818	515	420.30
		URAD	K851/P MG-62	85	37.57	442	K851/P MG-62			450	85	37.57
		MUNG	TAO-01	85	22.86	269	TAO-01	10	2.75	275	95	25.61
		TIL		70	40.95	585				589	70	40.95
		GWAR		185	158.36	856				855	185	158.36
2	Rabi											
		WHEET	3077				3077	161	442.43	2748	161	442.43
		CHANA					DAHED YELLOW	35	30.41	869	35	30.41
		SARSO	T- 59/PUSA -VON				T-59/PUSA- VON	65	68.84	1059	65	68.84
TOTAL				910	655.50		301	568.97		1211	1224.47	

Productivity kg/ha

Name of the crop	India	Highest Average Yield in Rajasthan	District	Project Area	Deficiency in productivity comparison with District
Wheat	2619	2837	2887	2748	139
Gram	808	622	875	869	6
Mustered	1177	1121	1165	1059	6
Bajra	802	1290	826	816	10
Urad	387	516	501	442	59
Moonge	317	509	277	269	8
Ground nut	1650	1533	1204	1150	54
Jwar	552	741	758	655	103

Shown The Bar Chart As Follow



Reasons for low productivity:-

- Use local Varieties of Seed
- Allcanase soil
- Soil depth low
- Wrong Agriculture practice
- Lack of Availability of good quality seeds of desired crop and variety in adequate quantities and time to the farmers.
- Availability of water for cultivation(18.33% is Irrigated table **No. 2.6**)

5. Livestock

Agriculture supplemented with livestock keeping forms the basis of sustenance for the farmers in this area. Crop residue and grazing provides fodder and forage to livestock. Livestock keeping on the other hand acts as a drought power and source of energy, nutrition and manure. The symbiotic relation between the two systems is clearly visible and change in one has a direct impact on the other. As per the baseline survey, livestock rearing contributes 17% of the income of the people in the area.

The livestock composition shows that smaller ruminants are more than the larger ruminants. However, the number of cows is much higher than other animals in the area. Degradation of common grazing lands and frequent occurrences of drought in the recent years has raised serious questions pertaining to fodder security in the area. Loss of vegetative cover as a result of high degrees of soil erosion and overgrazing has adversely affected the productivity of these common grazing lands. Changes in the cropping pattern along with the substitution of organic fertilizer with chemical fertilizer reduced the fertility of the soil as well as the quality of fodder available from crop residue. Further, frequent occurrences of drought leading to crop failure also affected the fodder availability from crop residue which has increased the pressure on the already overexploited common grazing land. The factors mentioned above have not only led to a decline in the productivity of the livestock but have also increased instances of distress sale of livestock.

S.No	Name of Animal	Av. milk production (Lit. per day)	Actual milk production (Lit. per day)	Remarks.
1	Cow Indigenous	2 - 3	4 - 5	
2	Cow Hybrid	7 - 8	10 - 12	
3	Buffalo	5 - 6	12 - 15	

Reasons for gap in milk production

- A. Deficiency of vitamin and minerals.
- B. Lack of management and awareness.
- C. Lack of health treatment in proper way.

5. Migration

In an economy which largely demands skilled manpower, lack of skill enhancement opportunities is an added disadvantage for the people in this area. Most of the people in the area who have resorted to non-farm employment end up as daily wage earners in the nearby cities. The ones who migrate to cities have to leave their families back in the village as their earning in the city is not able to substitute returns from farm but only supplement it. As per the baseline survey, about 19.68% of the Population in the area migrate.

Table 10: Households Migrating		
	Total Population	No of Population
Rijhoni	229	0
Barapura	974	5
Chandrawali	1676	14
Kanchanpura	706	4
Kota	1012	6
Domai	1435	12
Ghari	642	3
Narayanpura	416	4
Durgasi	416	0
Pabaini	1350	15
Harlalpura	792	4
Konesa	1795	20
Padampura	1019	5
Baraipura	755	4
Sarmathura	17876	25
Gendapura	958	4
Total	32051	125
Source: Baseline Survey (2012)		

Migration to cities and towns is usually in mining and quarrying, construction and in some small trading and manufacturing work.

Base Line Survey Format for IWMP MIS website

Project Name :- BASERI IWMP-VI

Total Geographical Area of Project (Lakh Hectares) :- 0.03075 Lakh Hectares

Treatable Area

Wasteland (Lakh Hectares)	0.02066	Rainfed Agricultural Land (Lakh Hectares)	0.00689
Total Cropped Area (Lakh Hectares)	0.01009	Net Sown Area (Lakh Hactares)	0.0910
Total no. of Water Storage Structure	-	Total no. of Water Extracting Units	-
Total storage capacity of water storage structures (cubic meters)		cum	

No. of Household

SC	747	ST	951
Others	2554		
Total Population of the project Area	32051	No. of Household of Landless people	751
Total no. of BPL Household	1250	No.of small Farmer's household	1449
No. of person-days of Seasonal Migration	125-275 Day in a Year	No. of Marginal Farmer's Household	1710

Depth of Ground Water (meters) below Ground level

Pre- monsoon	15.70	Post-monsoon	15.00
No. of person-days of Seasonal Migration	125-275 Day in a Year		

CHAPTER – II Socio economic Features, Problems and Scope

Table 2.1 Population & Household Details:

Total Population						
Male	Female	Total	SC	ST		
16936	15115	32051	5790	7510		

Household Details						
BPL Household	L. Less	Small Farmer	M. Farmer	Total Household	SC Household	ST Household
1250	751	1449	1710	4252	747	951

Table 2.2 Development indicators

S. No.	Development Indicators	State	Project Area
1.	Per capita income (Rs.)	16200	12400
2.	Poverty ratio	0.22	0.29
3.	Literacy (%)	60.40%	42.19%
4.	Sex Ratio	921	892
5.	infant mortality rate	60	68
6.	maternal mortality ratio	331	338

The above table indicates (**poor,average,good**) socio economic conditions.

Table 2.3 Land Use

Land Use	Total area in Ha.				
	Private	Panchayat	Government	Community	Total
Agriculture Land	1009	0	0	0	1009
Temporary fallow	99	0	0	0	99
Permanent Fallow	496	0	0	0	496
Cultivated Rainfed	689	0	0	0	689
Cultivated irrigated	320	0	0	0	320
Net Sown Area	910	0	0	0	910
Net Area sown more than once	301	0	0	0	301
Forest Land	0	0	0	0	0
Waste Land	496	0	1570	0	2066
Pastures	0	0	0	0	0
Others	0	0	0	0	0

The project area has 496 ha of cultivable wasteland . 99 ha of fallow land (total 595 ha) can be brought under cultivation if some irrigation source can be provided through Construction of WHS like MMS, MCD, Farm ponds etc. and also through demonstration of rainfed varieties of crops. Construction of WHS can also increase in area under irrigation which is only 10.40% ha. (10.40% of the project area) wastelands can be brought under vegetative cover, with reasonable effort. Activities like Masonry check dams, Vegetative filter strip, V-ditches, staggered trenches, WHS (Johad) Afforestation of wastelands and Pasture development will be taken up on these Lands.

Pasture development :- the land use table shows that there is 0 Ha. Pasture land (%) This emphasizes the need for taking up pastureland development works through sowing of promising species of grasses Lick Dhaman shytailo hamata etc. and plantation lick Desi Babul Khejri etc.

Table 2.4 .a Agriculture and Horticulture status and fuel availability.

Cropping Status												
S. No	Season	Crop Shown	Rainfed				Irrigated				Total	
			Varieties	Area (Ha.)	Production (Tun)	Productivity (kg/ha)	Varieties	Area (Ha.)	Production (Tun)	Productivity (kg/ha)	Area (Ha.)	Production (Tun)
1	Kharif	BAZARA	MK-30	485	395.76	816	MK-30	30	24.54	818	515	420.30
		URAD	K851/PMG-62	85	37.57	442	K851/PMG-62			450	85	37.57
		MUNG	TAO-01	85	22.86	269	TAO-01	10	2.75	275	95	25.61
		TIL		70	40.95	585				589	70	40.95
		GWAR		185	158.36	856				855	185	158.36
2	Rabi											
		WHEET	3077				3077	161	442.43	2748	161	442.43
		CHANA					DAHED YELLOW	35	30.41	869	35	30.41
		SARSO	T-59/PUSA-VON				T-59/PUSA-VON	65	68.84	1059	65	68.84
TOTAL				910	655.50			301	568.97		1211	1224.47

Table 2.4.b Abstract of cropped Area(ha)

Area under Single crop	910
Area under Double crop	301
Area under Multiple crop	

The Farmers are using Desi Varieties of as shown below where on Hybrid Varieties shown in table can increase the Production:-

Name of crop	Use Varieties	Recommended Varieties	Remark
Bajra	MK-30	1 Navjot , Partp sanker	Use Recommended Varieties can increase the Production
Urad -	K851/PMG-62	Karshna /T-9	
Moong	TAO-01	Pusha Beshkhi , RMG 902	
Til		RT46, TC25	
Gawar	Desi / Local	Durgapura Safed , Pusa navbahar	
Coton	BT4	Bt4	
Wheat	3077	Ral 3077 , Raj 4037, H.I.153	
Gram		RSG-888	
Sarnso	T-59/PUSA-VON	Bayo 902, Vasundra	

Crop Rotation** will vary from project to project

Bajra	-	Wheat
Bajra	-	Fallow
Moong	-	Mustered
Moong	-	Fallow
Fallow	-	Jeera
Gawar	-	Fallow
Til	-	Fallow

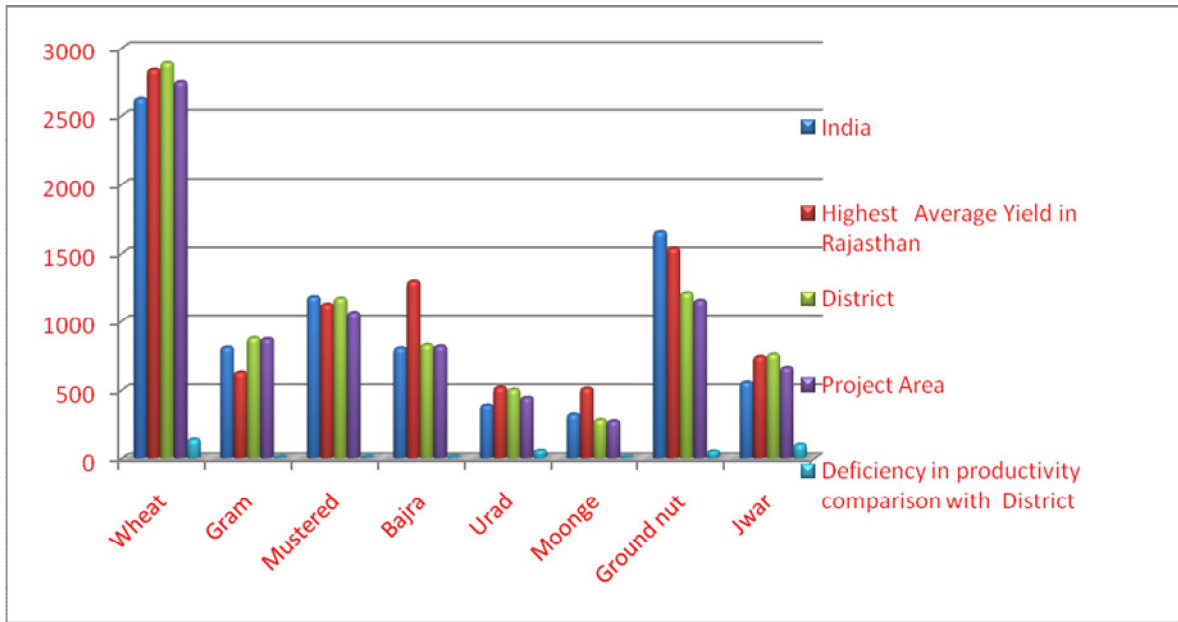
The table shows that only 301 Ha. are (9.78%) is double cropped area. Also the crop rotation shows that fallow lands are there. This indicates that there is scope for change in crop rotation in fields where there are fallow lands through Soil and Water conservation measures, crop demonstration and diversification in agriculture.

Soil and Water conservation measures besides putting fallow lands under cultivation can change the area under single cropping to double and multiple cropping.

Table 2.4.c Productivity Gap Analysis Productivity kg/ha

Name of the crop	India	Highest Average Yield in Rajasthan	District	Project Area	Deficiency in productivity comparison with District
Wheat	2619	2837	2887	2748	139
Gram	808	622	875	869	6
Mustered	1177	1121	1165	1059	6
Bajra	802	1290	826	816	10
Urad	387	516	501	442	59
Moonge	317	509	277	269	8
Ground nut	1650	1533	1204	1150	54
Jwar	552	741	758	655	103

Shown The Bar Chart As Follow



Analysis of the above table indicate that besides national gap there is wide gap in productivity within state and even within same agro climatic zones.

The reasons for this variation are

- Use local Varieties of Seed
- Allcanase soil
- Soil depth low
- Wrong Agriculture practice
- Lack of Availability of good quality seeds of desired crop and variety in adequate quantities and time to the farmers.
- Availability of water for cultivation(35.00% is Irrigated table **No. 2.6**)

The productivity gap and reasons of it indicate potential to increase the productivity through crop demonstration. Crop demonstrations would be carried out on improved crops/ varieties, improved agronomic practices. INM, IPM, Mixed cropping, distribution of fodder seed mini kit. Demonstration of improved methods and economics of fodder crops cultivation and also distribution foundation seeds of Forage Crops for further multiplication, introduction of fodder crops in the existing crop rotations.

Table 2.5 Existing area under horticulture/Vegetables/Floriculture (ha)

Activity	Area	Species	Varieties	Recommended varieties	Production
Horticulture	4 Ha.	Nimbus	Desi	Kagji (Beeju)	1 Qt. per plant
	2 Ha.	Orange		Nagpuri, New Selar , Bader	
	5 Ha.	Awla		Graphed, Karshna , Kanchan , Kalmi	
Vegetables	5 Ha.	Tomato			
Floriculture	0	0	0	0	0
Medicinal Plants	0	0	0	0	0

Table 2.6 Land holding Pattern in project area

Type of Farmer	Total House holds	Land holding (ha) irrigation source wise				Land holding (ha) Social group wise				
		Irrigated (source)	Rainfed	Private Waste Land	Total	General	SC	ST	OBC	Total
(i) Large farmer	342	102	205	102	409	44	86	11	268	409
(ii) Marginal farmer	1710	65	195	135	395	54	69	80	192	395
(iii) Small farmer	1449	153	289	259	701	99	127	124	351	701
(iv) Landless person	751	0	0	0	0	0	0	0	0	0
Total	4252	320	689	496	1505	197	282	215	811	1505

74.29% land holdings belong to small and marginal farmers who own 32.81% of total cultivated area. Horticulture/vegetables could be more economical to Small and marginal farmers with irrigation source. For large farmers with no irrigation facility Horticulture/vegetables will be promoted in a part of land with farm pond/Tanka construction.

The following activities will be more beneficial for small land holdings and for diversification and income for large farmers

Horticulture plantation, Medicinal and Aromatic Crops, floriculture: As discussed earlier . Horticulture/vegetables could be more economical to Small and marginal farmers with irrigation source. Also the project area has good potential for medicinal & aromatic crops like Sonamukhi, Isabgol, Ashwagandha, Khus, Mehandi etc.

Agro forestry plantation: To increase the income of farmers and also for shelter belt plantation as wind velocity is high in the project area.

Setting of Vermi Compost Units - Keeping in view the side effect of residues of chemicals and fertilizers on human health the emphasis would be on cultivation of organic produce through motivating farmers and providing assistance for production of organic input, vermi compost.

Production and distribution of quality seed – There is need to ensure that good quality seed is available for cultivators for which adequate seed production would be initiated in watershed areas with the assistance of private sector and agriculture department technologies

Sprinklers and pipelines for efficient water management practices emphasis on demonstration of sprinklers with adequate financial support and convergence/private partnership.

Establishment of Green House - For growing off season vegetables seedlings and other horticultural crops under controlled atmospheric conditions of green house.

Establishment of nurseries: Most of the planting material is procured from other parts of the State/ country. The procurement of planting material from distant places causes damage to the planting material and often results in untimely supply. Hence nursery development activity in area.

Innovative hi-tech/ export oriented activities: innovative hi-tech/ export oriented projects like mushroom cultivation, floriculture, etc which are in negligible existence at present, can be implemented by individual farmers / private companies.

Drip irrigation Drip irrigation will be promoted in all horticulture plantations, vegetables, green houses and in nurseries for rational use of irrigation higher yields and quality produce.

Table 2.7 Livestock Status - animals/milk production / average yield.

S. No.	Description of Animals	Population in No.	Yield(milk/mutton/Wool)	Equ. cow units	Dry matter requirement per year (7Kg per animal.)	Total requirement in M.T.
1	Cows					
	Indigenous	1239	6195		8673	316.56
	Crossbreed	901	9911		6307	230.20
2	Buffaloes	2942	17652		20594	751.68
3	Goat	603	362	302	2114	77.16
4	Sheep	475	0	238	1666	60.80
5	Camel	0	0		0	0
6	Poultry	0	0	NA	0	0
7	Piggery	0	0	NA	0	0
	Total	4855	34120		39354	1436.40

In spite of the large number of livestock, production is less hence increase in productivity across all species, is a major challenge. To reduce production of unproductive cattle and improve the productivity by improving the breeds by breeding management following activities will be taken up

- Castration
- Artificial insemination
- Distribution of superior Breeding bulls for use in Cattle and Buffalo
- Breeding distribution crossbred rams

Besides breed improvement other animal husbandry practices like better health, hygiene and feeding practices can increase productivity of livestock. Hence Activities like Animal health camps, Urea-Molasses treatment demonstration, demonstration of improved methods of conservation and utilization of Forage crops are proposed.

Table 2.8 Existing area under fodder (ha)

S. No	Item	Unit	Area/Quantity
1	Existing Cultivable area under Fodder	Ha	1009
2	Production of Green fodder	quintals/year	26515
3	Production of Dry fodder	quintals/year	0
4	Area under Pastures	Ha	496
5	Production of fodder	quintals/year	24800
6	Existing area under Fuel wood	Ha	
7	Supplementary feed	Kgs/ day	0
8	Silage Pits	No	-
9	Availability of fodder	quintals	51315
10	Deficiency/excess of fodder	quintals	92325

The table above shows there is fodder deficiency (Requirement is 143640 Qt. and availability 51315 Qt.)

To minimize the large and expanding gap between feed and fodder resource availability and demand there is need for

- Increase in area under fodder crops
- Increase in productivity of fodder crops
- Development of pastures
- And reduction in large number of livestock production through replacement by few but productive animals.

Table 2.9 Agriculture implements

1	2	3
S. No	Implements	Nos.
1	Tractor	12
2	Sprayers-manual/ power	15
3	Cultivators/Harrows	2388
4	Seed drill	16
5	Any Other (Trally)	35

Farm mechanization and seed banks: As discussed earlier 69.92% land holdings belong to small and marginal farmers who own only 67.14% of total cultivated area so owning of big farm implements by individual farmers is not economical so SHG would be promoted to buy farm implements and rent to farmer.

Table 2.10 MNREGA Status - No. of Card Holder, activities taken so far, employment status.

S. No.	Name of Village/G.P.	Total No of job cards In G.P.	Employment Status	Activity taken up so far
1	Chandrawali			Road , CVH , POKHAR ect.
2	Domai			Road , CVH , POKHAR ect
3	Madasil			Road , CVH , POKHAR ect
4	Sarmathura			Road , CVH , POKHAR ect

Table 2.11 Migration Details

Name of village	No. of persons migrating	No. of days per year of migration	Major reason(s) for migrating	Distance of destination of migration from the village (km)	Occupation during migration	Income from such occupation (Rs. in lakh)
Rijhoni	0	8To 10 Month	Employment	850 Km	Service At Individual enterprineour lick Ice-cream Trolley , Tatrctor commpressure for cooking of foods etc. in the state of Maharastra , U.P. , Punjab , Gujrat etc.	0.60-0.70 Lack per year
Barapura	5					
Chandrawali	14					
Kanchanpura	4					
Kota	6					
Domai	12					
Ghari	3					
Narayanpura	4					
Durgasi	0					
Pabaini	15					
Harlalpura	4					
Konesa	20					
Padampura	5					
Baraipura	4					
Sarmathura	25					
Gendapura	4					
Total	125					

The migration can be check by creation of employment opportunities, enhancing farm level economy, increases the income of the people engaged in animal husbandry by dairy, poultry and marketing and value addition. (As discussed earlier) and diversification in livelihoods.

The existing livelihoods Village are given below

Table 2.12 (a) Major activities (On Farm)

Name of activity	No of House holds	Average annual income from the
(1.) Cultivators	3501	0.40 – 0.52 Lac
(2.) Dairying	3339	0.55 - 0.50 Lac
(3.) Poultry	0	0
(4.) Piggery	0	0
(5.) Landless Agri. Laborers	319	0.20 - 0.25 Lac

Table 2.15 Availability of drinking water

S. No.	Name of the village	Drinking water requirement Ltr./day	Present availability of drinking water Ltr./day	No. of drinking water sources available	No. functional	No. requires repairs	No. defunct
	Total Village	32052x30= 961530/-day	807685/-day	70	53	25	-

Table 2.16 Water Use efficiency

Name of major crop	Area (Hectare)			
	through water saving devices(Drip/Sprinklers)	through water conserving agronomic practices [#]	Any other (pl. specify)	Total
Cotton	Drip Irrigation	10	PVC Pipe	150

- The tables above indicate need for judicious use of available Water.
- Encouraging optimum use of water through installation of sprinklers on every operational wells

Table 2.17 Slope details.**Slope of Watershed**

S. No.	Slope percentage	Area in hectares
1	0 to 3%	2850 Ha
2	3 to 8%	225
3	8 to 25%	0
4	> 25%	0

As most of the area has slope less than 3% construction of contour bunds can solve the problem of water erosion in agriculture fields and protect washing of top soil and manures/fertilisers.

Table 2.18 Water Budgeting

Good Catchment – Normally a funnel shaped catchment in hilly terrain with less vegetation.

Average Catchment – Catchment in the plains where there is no dense growth of vegetation.

Bad Catchment – Catchment with dense growth of vegetation & highly permeable top soil & sub soil.

Total available runoff(cum) use Strange table Rain fall 536.18 mm

Type of Catchment	Area in ha.	Yield of runoff from catchment per ha.(cum.) use Strange table	Total Runoff in cum
Good	1570	867.40	1361818
Average	496	649.80	322301
Bad	1009	433.70	437603
Total	3075		2121722

Runoff trapped in existing structures

S. No.	Name	No.	Storage Capacity (cum)
i)	WHS(earthen)	0	-
ii)	Khadin/Talab	5	5500
iii)	Farm Ponds		-
iv)	Tanka		-
v)	Anicuts	1	4500
	Total	6	10000

Balance Run off 211722 Cum

Runoff to be Trapped in proposed structures:

S. No.	Name	No.	Storage Capacity (cum)
i)	WHS (earthen)	2	3000
ii)	Khadin/Talab		
iii)	Farm Ponds	10	5000
iv)	Anicut	5	22500
	Total	17	30500

% Runoff Trapped = Total runoff trapped x 100/ Total Available runoff = 40500/2121722x100 = 1.91%cum.

Height of all the structures proposed is between 0.60 metre to 1.50metre. There is no structures whose water impounding height is more than 2 metre.

Table 2.19 Soil details

Soil Profile		
S. No.	Major Soil Classes	Area in hectares
1	Sandy Loam	2875 Ha
2	Degraded	200 Ha
Soil Depth :		
B	Depth (Cm.)	Area in hectares
1	0.00 to 7.50	75 Ha
2	7.50 to 45.00	125 Ha
3	> 45.00	2875

C	Soil fertility Status	Kg/ha	Recommended
	N	127	100 Kg/Ha
	P	17.9	25.0 Kg/Ha
	K	182	350 Kg /Ha
	Micronutrients	PPM	Magnet

The analysis of table shows need to improve and maintain soil fertility. Soil health card to every farmer every crop season will be provided, which will include the recommendation for Application micro nutrient and fertilizers

Table 2.20 Erosion details

Erosion status in project Area				
Cause	Type of erosion	Area affected (ha)	Run off(mm/ year)	Average soil loss (Tones/ ha/ year)
Water Erosion				
a	Sheet	2850	121	15.25
b	Rill	150		
c	Gully	75		
Sub-Total		3075		
Wind erosion		0	0	0
Total for project		3075Ha	121	15.25

The need is:

- To check land degradation
- To reduce excessive biotic pressure by containing the number and increase of livestock
- To check cultivation on sloping lands without adequate precautions of soil and water conservation measures
- To discourage cultivation along susceptible nallah beds
- To check Faulty agriculture techniques
- To check Uncontrolled grazing and developed cattle tracks
- To check Deforestation of steep slopes.

CHAPTER - III Proposed Development Plan:

The Activities are indicative addition /deletion in activities will be as per local conditions

A) Preparatory phase activities Capacity Building Trainings and EPA

The IEC activities like Kalajathas, Group meetings, door to door campaign, slogans and wall writings etc. were carried out in all the habitations of 12/1,2,3,4&5 Micro Watershed. A series of meetings were conducted with GP members, community and discussed about the implementation of IWMP programme. User groups were also formed.

Grama Sabhas were conducted for approval of EPA (Village), for selecting the watershed committee and approval of DPR.

S. No	Name of the Gram Panchayat	Date on which Grama Sabah approved EPA
1	Chandrawali	
2	Domai	
3	Madasil	
4	Sarmathura	

Rs. In Lac

S. No.	Names of Village/G.P.	Amount earmarked for EPA	Entry Point Activities planned Solar Light & Drinking Water	Estimated cost	Expenditure incurred (upto)	Balance	Expected outcome	Actual outcome
1	Chandrawali	3.197	0.195					
2	Domai	4.378	0.195					
3	Madasil	4.166	0.195					
4	Sarmathura	3.019	0.195					
Total		14.76						

The PRA exercise was carried out in all the villages on the dates shown below:

S. No	Name of the village/Habitation/ G.P.	Date on which PRA conducted
1	Chandrawali	
2	Domai	
3	Madasil	
4	Sarmathura	

Transact walk were carried out involving the community for Social mapping, Resource mapping. Detailed discussions and deliberations with all the primary stakeholders were carried out.

Socio-economic survey was carried out during (dates) period covering all the households and primary data on demography, Land holdings, Employment status, Community activities etc. was collected as mentioned in chapter 2.

. CAPACITY BUILDING

Table- List of approved Training Institutes[@] for Capacity Building in the project area

1	2	3	4	5	6	7	8
S. No.	Name of Stake holders	Name of the Training Institute	Full Address with contact no., website & e-mail	Name & Designation of the Head of Institute	Type of Institute	Area(s) of specialization ^{\$}	Accreditation details
1	PIAs	IGPRS	JAIPUR	Director IGPRS	GOR	W/S management	
		NIRD	JAIPUR hksolanki@nird.gov.in	Course coordinator choupal NIRD Jaipur	GOI	GIS Base	
2	WDTs	PTC	AJMER	Training co-ordinator PTC	GOR	W/S development works	
		IGPRS	JAIPUR			W/S development works	
		State Agri. management Training Institute	JAIPUR	Director-SAMI Jaipur		W/S development works	
3	UGs/SHGs/WCs/GPs/Community	DHOLPUR dairy	DHOLPUR	M.D. DHOLPUR	GOR	W/S development works	
		KVK DHOLPUR	DHOLPUR	Seior Scientist KVK	Research Institutes	W/S development works	
		Research station	DHOLPUR	Seior Scientist	GOR	W/S development works	
		Rajigandi seva Kendra	At Gram Panchayat		GOR	W/S development works	
4	PM/SLNA	NIRD	Hydrabad		GOI		
5							

Central govt. Dept./ State govt. Dept./ Autonomous Body/ Research Institutes/ Universities/ Others (pl. specify)

\$ Capacity Building/ Agriculture/ Horticulture/ Animal Husbandry/ Pisciculture/ Remote Sensing/ Water conservation/ Ground water/ Forestry/ livelihoods/ entrepreneurship development/ others (pl. specify)

@ The training institutes must fulfill the conditions mentioned in the operations guidelines.

Table- Capacity Building activities in the project (FINANCIAL) *4% OF TOTAL PROJECT COST.

S. No.	Project Stackholders	Total No. of Persons	Total No. of Training	Rate per Training	UNIT	Total Amount	Year wise Amount vifergation										Total	
							2012-13		2013-14		2014-15		2015-16		2016-17			
							I Year No. of Training	II Year No. of Training	III Year No. of Training	IV Year No. of Training	V Year No. of Training	Phy	Fin	Phy	Fin	Phy	Fin	Phy
A	Disst. WCDC																	
1	PIAs at State Level (3 Days)	2	7	10160	No	0.711	0	0	2	0.203	2	0.203	2	0.2	1	0.102	7	0.711
2	WDTs at State (3 Days)	4	8	20320	No	1.626	0	0	2	0.406	3	0.61	2	0.41	1	0.203	8	1.626
3	2 Days Training for WDT & PRIS at Distt Level	30	8	25600	No	2.091	0	0	2	0.512	3	0.768	2	0.51	1	0.299	8	2.091
			23			4.428	0	0.00	6	1.12	8	1.58	6	1.12	3	0.60	23	4.428
B	PIA. level training																	
1	WDTs(4X4300=17200)	4	8	17200	No	1.376	2	0.34	2	0.344	2	0.344	1	0.17	1	0.172	8	1.376
2	Ugs	30	10	6800	No	0.680	2	0.14	3	0.204	2	0.136	2	0.14	1	0.068	10	0.68
3	SHGs	30	10	6800	No	0.680	2	0.14	3	0.204	3	0.204	2	0.14	0	0	10	0.68
4	WCs	30	10	6800	No	0.680	1	0.07	2	0.136	3	0.204	2	0.14	2	0.136	10	0.680
5	GPs	30	10	6800	No	0.680	2	0.14	3	0.204	2	0.136	2	0.14	1	0.068	10	0.68
6	Community	30	10	6800	No	0.680	1	0.07	2	0.136	2	0.136	3	0.2	2	0.136	10	0.68
7	EXPOSURE TOUR (INTER STATE)	50	2	136160	No	2.723		0.00	1	1.362	1	1.362	0	0		0	2	2.723
8	EXPOSURE TOUR (OUTER STATE)	40	1	210500	No	2.095		0	1	2.095		0		0		0	1	2.095
	Total		61			9.594	10	0.89	17	4.68	15	2.52	12	0.92	7	0.58	61	9.594
C	PM/SLNA (10X5080=50800)	6	1	50800	No	0.738	0	0	1	0.738	0	0	0	0	0	0	1	0.738
11	TOTAL PHYSICAL		85				10		24		23		18		10		85	
12	TOTAL FINANCIAL					14.760		0.89		6.54		4.10		2.04		1.18		14.760

Table- Capacity Building activities in the project (PHYSICAL) *4% OF TOTAL PROJECT COST.

Project Stackholders	Total No. of Persons	Total No. of Training	Rate per Training	No of Days of Trai.	Total Am	No. of Person to be trained during project period						No. of Training to be organized during project period						No. of Person days to be trained during project period					
						2012-13	2013-14	2014-15	2015-16	2016-17	Total	2012-13	2013-14	2014-15	2015-16	2016-17	Total	2012-13	2013-14	2014-15	2015-16	2016-17	Total
						I Year	II Year	III Year	IV Year	V Year		I Year	II Year	III Year	IV Year	V Year		I Year	II Year	III Year	IV Year	V Year	
WCDC																							
PIAs at State Level (3 Days)	2	7	10160	3	0.711	0	4	4	4	2	14	0	2	2	2	1	7	0	12	12	12	6	42
WDTs at State (3 Days)	4	8	20320	3	1.626	0	8	12	8	4	32	0	2	3	2	1	8	0	24	36	24	12	96
2 Days Training for WDT & PRIS at Distt Level	30	8	25600	2	2.091	0	60	90	60	30	240	0	2	3	2	1	8	0	120	180	120	60	480
		23			4.428	0	72	106	72	36	286	0	6	8	6	3	23	0	156	228	156	78	618
PIA																							
WDTs(4X4300=17200)	4	8	17200	4	1.376	8	8	8	4	4	32	2	2	2	1	1	8	32	32	32	16	16	128
Ugs	30	10	6800	1	0.680	60	90	60	60	30	300	2	3	2	2	1	10	60	90	60	60	30	300
SHGs	30	10	6800	1	0.680	60	90	90	60	0	300	2	3	3	2	0	10	60	90	90	60	0	300
WCs	30	10	6800	1	0.680	30	60	90	60	60	300	1	2	3	2	2	10	30	60	90	60	60	300
GPs	30	10	6800	1	0.680	60	90	60	60	30	300	2	3	2	2	1	10	60	90	60	60	30	300
Community	30	10	6800	1	0.680	30	60	60	90	60	300	1	2	2	3	2	10	30	60	60	90	60	300
EXPOSURE TOUR (INTER STATE)	50	2	136160	6	2.723	0	50	50	0	0	100		1	1	0		2	0	300	300	0	0	600
EXPOSURE TOUR (OUTER STATE)	40	1	210500	6	2.095	0	40	0	0	0	40		1	0			1	0	240	0	0	0	240
Total		61			9.594	248	488	418	334	184	1672	10	17	15	12	7	61	272	962	692	346	196	2468
PM/SLNA (10X5080=50800)	6	1	50800	1	0.7380	0	6	0	0	0	6	0	1	0	0	0	1	0	6	0	0	0	6
TOTAL PHYSICAL		85			14.760	248	566	524	406	220	1964	10	24	23	18	10	85	272	1124	920	502	274	3092

Table-, Education & Communication (IEC) activities in the project area (1% of total Project cost.)

1	2	3	4	5						
				Allocation in lacs					Total	
				2012-13	2013-14	2014-15	2015-16	2016-17		
S. No.	Activity	Executing Agency	Allocation out of 1% of total Project cost	I year	II year	III year	IV year	V year	Total	
1	tyxg.k {ks= xfrfof/k; ka dks n'kkzk gq/k POP/CLAY/WOOD/PLASTIC I scuk gq/k ekWlyA0-15	P.I.A.	0.553		0.276	0.277				0.553
2	MhLiysckM@lyxDI h ckM@									
3	okW i sIVx&tyxg.k xfrfof/k; k y{; ks o i kflr vkfn dks n'kkzh gpA0-05	P.I.A.	0.185				0.185			0.185
4	tyxg.k fodkl I cdkh efnr iEi yVI @fyQ yVI @pkV@i kVj@vkfn0-05	P.I.A.	0.185		0.185					0.185
5	Ukkjk yfku 0-20	P.I.A.	0.738	0.681	0.057					0.738
6	I Qyrk dh dgkuh; ka dh ohfM; kackQh@ QkV/kxkQh @ y?kQYe , oa d"kdks I s I k{kjkrdkj@okrkZA 0-20	P.I.A.	0.738				0.114	0.624		0.738
7	I kdfrd R; kqkj @ esys vkfn ds vol j ij inZkuh@ updM+ukVd@ dVi r yh in'ku 0-15	P.I.A.	0.553			0.277	0.276			0.553
8	jkf= xkSBh @ Hkw I j{k.k I lrg@ pruk jSyh (in ;k=k) @ tyxg.k fodkl dk I nsk nusokys I kdfrd dk; De@ d"kd fnol dk vk; kst u , oa {ks= Hke.k fnol dk vk; kst u bR; kfn@ 0-20	P.I.A.	0.738		0.415	0.098	0.225			0.738
	dy		3.690	0.681	0.933	0.652	0.800	0.624		3.690

PDCORE LTD. JAIPUR was assigned the work of preparing various thematic layers **using** Cartosat-1 and LISS-3 imageries for **Creation**, development and management of geo-spatial database depicting present conditions of land (terrain), water and vegetation with respect to watershed under different ownerships at village level

Various thematic layers provided by PDCORE LTD. JAIPUR are :

- Delineation of Macro/Micro watershed boundaries.
- Digitised Khasra maps of the villages falling in project area.
- Network of Drainage lines, existing water bodies, falling in the project area.
- Base maps (transport network, village/boundaries, and settlements).
- Land Use / Land cover map.
- Contours at 1 meter interval, slope map

Based on GIS thematic layers, Field visits , PRA and analysis of benchmark data (as discussed in chapter 2) final Treatment plan on revenue map for implementation has been framed. Thus each intervention identified has been marked on revenue map (map enclosed in DPR as annexure-----).The GIS based intervention map, PRA based intervention map are annexed as -----.

B)Livelihood Action Plan (LAP):

An awareness programme has been undertaken at Gram Sabha for communication & sensitization of the target beneficiaries. Livelihood Action Plan is a pre requisite for availing the funds under the livelihood component. LAP has been prepared by the PIA in consultation with WDT, WC & the members of SHG,SC/ST, women, landless/ assetless households. Details of funds available & their utilisation is as under :

(i) Total project cost Rs.369.00Lacs.

(ii) Funds available under livelihood component is 9% of total project cost= Rs. 33.21 Lac.

(a) Seed money for SHGs as revolving fund = Rs. 22.710 Lac.

(minimum 60% of livelihood component)

-- No. Of SHG to be formed 89-Nos.

--- No of persons (members) in SHG **890** Nos.

(b) Seed money for enterprising individuals = Rs. 2.500 Lac

(minimum 10% of livelihood component)

No of persons identified as enterprising individuals 10 Nos.

List of persons & Proposed Activities.

S.No	Watershed Committee	No. of Persons	Activity Proposed
1	Chandrawali		1. Carpenter 2. Mason 3. Sewing / Knitting
2	Domai		
3	Madasil		
4	Sarmathura		

(c) Funds for Enterprising SHG/Federations of SHG

(Maximum 30 % of livelihood activities)= Rs. 8.000 Lac

The funding for major livelihood activities will enable the enterprising SHGs/SHG federation to avail a composite loan for undertaking major livelihood activities or to upscale activities as recommended by the WC & approved by WCDC in consultation with line departments.

Details of enterprising SHG/federation is given below :

S. No.	No. of SHG/ SHG federation	Project Name	Project Cost in Lac	Grant in aid 50% of project cost or 2 Lac whichever is less	Bank Loan
1	5	Dairy	9.963	9.963	
2					
	Total				

* Details of project activities can be prepared in coming years after formation of SHG federation or as the case may be.

C) Production Plan:

An awareness programme has been undertaken at Gram Sabha for communication & sensitization of the target beneficiaries. Production System & micro enterprises Action Plan is pre-requisite for availing the funds under the Production System & micro enterprises component. Production plan has been prepared by the PIA in consultation with WDT, WC & the members of Users Group. Details of funds available & their utilisation is as under :

(iii) Total project cost Rs 369.00 Lac.

(iv) Funds available under Production System & Micro enterprises component is 10% of Total Project Cost= Rs.36.90 Lac.

No. of persons & Proposed Activities for production system

S. No	No./Area in Hectare of Beneficiaries Person	Activities Proposed
1		Crop Demonstration
	401 No./160 Ha.	1. Kharif
	251 No./100 Ha.	2. Rabi
2		Agroforestry
	510 No/204 Ha	1. CVH with Alovera
	43 No/17 Ha	2. CVH with Alovera & Karonda
3	58 No./23 Ha.	Horticulture Plantation
4	117 No.	Nedap Compost
5	181 No./72.40 Ha	Vegetable Kit
6	3240 No.	A.I.
7	176 No.	Manger Construction

(viii) Funds for Animal Husbandry activities 6.268 Lac.

Details of is Animal Husbandry activities given below :

S. No.	Name of Activity	Quantity	Unit cost	Cost of Activity in Lac		Remark Convergence with
				From Project Fund	From Convergence Fund	
1	A.I. No.	7240	0.0015	4.86	6.000	A.H. Department
2	A.H. CAMP	8	0.24	0	1.92	A.H. Department
3	Manger Construction	176	0.008	1.408	0	
	Total			6.268	7.92	

Awareness Programme

-Slogan Wall Painting,

Scientific Animal Husbandry Practices ; Seminars / Debates / Pamphlet distribution/ Stickers/ Chetana Rally

Broadcasting / Telecasting Film Show

Visit- intra/ inter/ out of State/ Abroad

Fortnightly Meetings with Livestock keeper to discuss and decide all breedable females to be covered.

Creation Of Disease Free Zone: Livestock's health coverage

Establishment of Pashudhan Seva Kendra (PSK) (Convergence with peer department)

Deworming to reduce worm load and enhance disease resistance. (Convergence with peer department)

Distribution of mineral mixture. (Convergence with peer department)

Free of Cost Vaccination in IWMP area Livestock for H.S., B.Q., F.M.D., PPR, ETV and Sheep Pox.

Ensure Hygenic measures to check Zoonosis.(DAH/ IWMP)

Construction of Animal Sheds with Manger and Portable Manger With accessories

Provision of Cattle Water Troughs.

Infertility Management: To ensure Livestock's Productivity

Expansion of AI Coverage/ reduction in no.of infertile females.

PCPD+ COMBAT INFERTILITY+ CAMPS INFERTILITY RLDB+ CAMPS INFERTILITY SC COMPONENT

Breed Improvement: To ensure Livestock's Productivity enhancement

A.I. (Convergence with peer department)

Incentive based Mass Castration at Door Step of Scrub Bulls to Check ND Recycling.

Registration of bulls (Convergence with peer department)

Bull / Buck Distribution for NS-.Gir, Murrah And Sirohi /Jamunapari Breed Bulls/ Bucks Should Be Distributed For 3yrs 6 (3 In Each IWMP Area, Where Ever A.I. Facility Is Not Available Round's O Clock. On 100% Subsidized Rate To WC.

Financial Incentive to the Inseminator for Calf Borns.

Convergence with peer Department/DAH/Agriculture/ATMA/ Board/ Trust/ Goseva

An Assistance to control Malnutrition: Protein Supplementation

Feed & fodder production enhancement.

ANNUAL ACTION PLAN

PIA will prepare annual action plan in the month of January indicating outgoing liabilities as well as new projects which they wish to take during next financial years & will submit to PM(WCDC). These plans will be placed for approval at P.S. (Standing Committee of Production and Agriculture) & Z.P. (Standing Committee of Production) level every year. While preparing Annual Action Plan (AAP) if rates of labour or material in DPR increased or decreased changed rates will be applicable for preparing AAP & the effect of same can be met by converging the remaining works with other schemes.

Proposed Development Plan

Proposed Development Plan												
(A)	Preparatory Phase Activities											
Activity	Unit	Unit Cost	G.P. - CHANDRAWALI					G.P. - DOMAI				
			Quantity	Total Cost	Cost from Project Fund	Convergence Fund	Beneficiary Contribution	Quantity	Total Cost	Cost from Project Fund	Convergence Fund	Beneficiary Contribution
izkl fud (Adm. 10%)				7.992	7.992				10.944	10.944		
ekuvfjx (Monitoring 1%)				0.7992	0.7992				1.0944	1.0944		
el; kudu (Evaluation 1%)				0.7992	0.7992				1.0944	1.0944		
iodk fclng xfrfof/k (EPA 4%)				3.1968	3.1968				4.3776	4.3776		
bdlvN; ikuy , oa d; il Vh fcYMhx (I & CB 5%)				3.996	3.996				5.472	5.472		
foLrr ifj; kstuk ifronu (DPR 1%)				0.7992	0.7992				1.0944	1.0944		
Total (A)				17.5824	17.5824				24.0768	24.0768		
(B)	Natural resource management (56%)											
Conservation measures for arable land (private land)												
futh d'k Hie ij dk;l												
futh d'k Hie ij CVH dk; l (Earthen Bund/ CVH) "A" Type	M	80.22	10978	9.287	6.399	2.888	0.512	11087	9.562	5.543	4.019	0.443
CVH dk; l "B" Type	M	149.97	3214	5.052	3.650	1.402	0.292	4587	7.456	3.967	3.489	0.317
CVH dk; l "C" Type	M	243.41	2112	5.381	3.924	1.457	0.314	1992	5.251	2.814	2.437	0.225
CVH dk; l "D" Type	M	517.22	1200	6.716	3.621	3.095	0.290	551	3.069	1.738	1.331	0.139
CVH dk; l "E" Type	M	874.46	284	2.656	1.609	1.047	0.129	168	1.528	1.172	0.356	0.094
CVH dk; l "F" Type	M	1325.08	194	2.610	2.372	0.238	0.190	36	0.477	0.477	0.000	0.038

otVfo; j fuekzk dk; l (Weste weir "A" Type	No.	0.152	15	2.280	2.280		0.182	10	1.520	1.520		0.122
Weste weir "B" Type	No.	0.223	4	0.892	0.892		0.071	4	0.892	0.892		0.071
Weste weir "C" Type	No.	0.345	2	0.690	0.690		0.055	3	1.035	1.035		0.083
Weste weir "D" Type	No.	0.549	2	1.098	1.098		0.088	2	1.098	1.098		0.088
Weste weir "E" Type	No.	0.900	2	1.800	1.800		0.144	1	0.900	0.900		0.072
Weste weir "F" Type	No.	1.233	1	1.233	1.233		0.099	1	1.233	1.233		0.099
Okezi iMM (Farm pond)	No.	1.691	8	18.166	3.382	14.784	0.271	14	31.404	6.764	24.640	0.541
vdFk Hie ij dk;l (Conservation measures for non arable land)												
i pk; r@l j dckjh Hie ij pkjxkg fodkl dk; l (Pasture Development)	Ha	0.77508	5	3.875	3.8754		0	25	19.377	19.377		0
ty l j k.k l j puk, @ukMh fuekzk (Water Harvesting Structure/ Nadi)	No.	2.3525	0	0.000	0.000	0	0	1	2.353	2.353	0	0
futh vdfk Hie ij pkjxkg fodkl dk; l (Pasture Development (Private Farmer)	Ha	80.22	8870	7.815	3.610	4.20481	0.20937	4004	3.501	1.765	1.73581	0.10236
ukyk mi plj dk;l (Drainage line treatment)												
cdl LVcykbt s ku (Bank Stablization)	M	0.021669	0	0	0		0	0	0	0		0
, fudV fuekzk (Anicut)	M	4.32	1	4.32	4.32		0	2	8.64	8.64		0
Total (B)				73.870	44.755	29.115	2.845		99.295	61.287	38.008	2.435
(C) Production System (10%)												
mRiInu fodkl xrfol/k; k (Production measures for arable land)												
df=e xllkku (A.I.)	No.	0.0015	612	0.918	0.918		0.184	898	1.347	1.347		0.269
i' lq fpcfRI k f' kfoj (A.H. CAMP)		0.24	2	0.480		0.480		2	0.480		0.480	
i' lq [ly fuekzk (Manger Construction)		0.008	47	0.376	0.376		0.075	52	0.416	0.416		0.083
[kjhQ Ql y in'ku	No.		91	1.755	1.755		0.351	112	2.116	2.116		0.423

jch Ql y in'kū	No.		52	1.265	1.265		0.253	75	1.794	1.794		0.359
Qynkj i kōkji .k	Ha	0.24	19	5.810	1.200	4.610	0.240	23	6.859	1.920	4.939	0.384
oehz dEi kV	No.	0.24	0	0.000	0.000		0.000	0	0.000	0.000		0.000
uMā dEi kV	No.	0.02	25	0.500	0.500		0.100	40	0.800	0.800		0.160
futh dFk Hhē ij CVH ds l kfk xotji kBk i kōkji .k dk; l fgr (CVH Pro. Other Alovera)	Ha	0.01965	125	2.406	0.924	1.482	0.185	140	2.694	1.022	1.672	0.204
futh dFk Hhē ij CVH ds l kfk xotji kBk , oa djōnk i kōkji .k dk; l fgr (Cvh Pro. Other Alovera+Karonda)	Ha	0.21038	40	8.401	0.631	7.770	0.126	29	6.092	1.052	5.040	0.210
Ttth feuh fdV (Kitchen Garden KIT)	No.	0.009	47	0.423	0.423		0.085	53	0.477	0.477		0.095
tōd dM+	No.	0.157	17	2.669		2.669		16	2.512		2.512	
Qylo dh [krh	No.	0.240	3	0.720		0.720		5	1.200		1.200	
el kyk [krh	No.	0.233	6	1.398		1.398		7	1.631		1.631	
vks/h; k i kōk dh [krh	No.	0.150	2	0.300		0.300		1	0.150		0.150	
ul jh LFki uk (25000 Forest Plant/- Family)	No.	0.750	5	3.750		3.750		5	3.750		3.750	
ftll e l shē l fjkj	No.	0.007	15	0.105		0.105		9	0.063		0.063	
fl pkbz grq i kbā ykbū	No.	0.150	5	0.750		0.750		3	0.450		0.450	
flā Dyj fl lVe	No.	0.450	3	1.350		1.350		3	1.350		1.350	
fMf fl pkbz ; kst uk	No.	0.420	5	2.100		2.100		3	1.260		1.260	
dFk ; a- l i s j ½	No.	0.050	3	0.150		0.150		4	0.200		0.200	
i kōk l j (k ; a-	No.	0.010	2	0.020		0.020		2	0.020		0.020	
uhe mRi knu	No.	0.005	6	0.030		0.030		5	0.025		0.025	
xbu gml LFki uk	No.	1.500	2	3.000		3.000		2	3.000		3.000	
clā mRi knu	No.	0.080	8	0.640		0.640		5	0.400		0.400	
Total Production System				39.315	7.992	31.324	1.598		39.085	10.944	28.142	2.189
(D) Livelihood System 9 %												
vktfodk , oatōktū xrfok; la(Livelihood System)												

Lo; l gk; rk l eg dks fjolyfoax QUM Hlq rku (Revolving Fund to SHG (60% minimum)	No.	0.250	18	4.693	4.693			28	7.100	7.100		
m/keh 0; fDr dks fjolyfoax QUM Hlq rku Revolving Fund to enterprising individual (10% maximum)	No.	0.250	2	0.500	0.500			3	0.750	0.750		
Loa l gk; rk l eg dks QUMj'sku ds)kjk vupku jlf'k Hlq rku Grant in aid to enterprising SHG or Federation of SHGs individual (30% maximum)	No.	2.000	1	2.000	2.000			1	2.000	2.000		
eqhiky	No.	1.500	2	3.000		3.000		2	3.000		3.000	
eNyh ikyu	No.	5.000	0	0.000		0.000		0	0.000		0.000	
mPp f'k{k	No.	0.100	14	1.400		1.400		12	1.200		1.200	
rduhdh if'k{k.k	No.	0.100	15	1.500		1.500		12	1.200		1.200	
i 'lq chet ;kst uk	No.	0.004	425	1.700		1.700		555	2.220		2.220	
Total Livelihood				14.793	7.193	7.600	0.000		17.470	9.850	7.620	0.000
(E) Consolidation 3%												
dUl kym'sku (Consolidation)				2.398	2.3976				3.283	3.2832		
GRAND TOTAL				147.96	79.92	68.04	4.44		183.21	109.44	73.77	4.62

Proposed Development Plan

Proposed Development Plan												
(A)	Preparatory Phase Activities											
Activity	Unit	Unit Cost	G.P. - MADASIL					G.P. - SARMATHURA				
			Quantity	Total Cost	Cost from Project Fund	Convergence Fund	Beneficiary Contribution	Quantity	Total Cost	Cost from Project Fund	Convergence Fund	Beneficiary Contribution
i z k l fud (Adm. 10%)				10.416	10.416				7.548	7.548		
ekuvfjx (Monitoring 1%)				1.0416	1.0416				0.7548	0.7548		
eY; kclu (Evaluation 1%)				1.0416	1.0416				0.7548	0.7548		
i d k fclnq xfrfof/k (EPA 4%)				4.1664	4.1664		0		3.0192	3.0192		0
bllVhV; thuy , oa d i f l Vh f c Y M h x (I & CB 5%)				5.208	5.208				3.774	3.774		
foLrr ifj; kstuk ifronu (DPR 1%)				1.0416	1.0416				0.7548	0.7548		
Total (A)				22.9152	22.9152				16.6056	16.6056		
(B)	Natural resource management (56%)											
Conservation measures for arable land (private land)												
futh d f k H e i j d k ; l												
futh d f k H e i j CVH d k ; l (Earthen Bund/ CVH) "A" Type	M	80.22	13921	12.023	6.878	5.145	0.550	8134	6.913	4.581	2.331	0.367
CVH d k ; l "B" Type	M	149.97	6133	9.878	5.762	4.116	0.461	3695	5.904	3.712	2.192	0.297
CVH d k ; l "C" Type	M	243.41	2179	5.618	3.714	1.903	0.297	2028	5.323	2.977	2.346	0.238
CVH d k ; l "D" Type	M	517.22	768	4.198	2.824	1.374	0.226	912	5.162	2.457	2.705	0.197
CVH d k ; l "E" Type	M	874.46	326	3.040	1.889	1.151	0.151	332	3.058	2.116	0.942	0.169
CVH d k ; l "F" Type	M	1325.08	108	1.543	0.861	0.682	0.069	159	2.107	2.107	0.000	0.169

okVfo; j fuekzk dk; l (Weste weir "A" Type	No.	0.152	12	1.824	1.824		0.146	11	1.672	1.672		0.134
Weste weir "B" Type	No.	0.223	6	1.338	1.338		0.107	5	1.115	1.115		0.089
Weste weir "C" Type	No.	0.345	4	1.380	1.380		0.110	3	1.035	1.035		0.083
Weste weir "D" Type	No.	0.549	3	1.647	1.647		0.132	1	0.549	0.549		0.044
Weste weir "E" Type	No.	0.900	1	0.900	0.900		0.072	1	0.900	0.900		0.072
Weste weir "F" Type	No.	1.233	1	1.233	1.233		0.099	0	0.000	0.000		0.000
Okezi M (Farm pond)	No.	1.691	10	23.094	3.382	19.712	0.271	12	28.022	3.382	24.640	0.271
vdffk M ij dk; l (Conservation measures for non arable land												
ipk; r@l jdkjh M ij pljlxig fodkl dk; l (Pasture Development)	Ha	0.77508	20	15.502	15.5016		0	12	9.301	9.30096		0
ty l j{k.k l jpu, @ukM fuekzk (Water Harvesting Structure/ Nadi)	No.	2.3525	1	2.353	2.3525	0	0	0	0.000	0	0	0
futh vdfk M ij pljlxig fodkl dk; l (Pasture Development (Private Farmer)	Ha	80.22	4422	3.752	2.523	1.22873	0.14633	6145	5.505	2.046	3.45911	0.11865
ulyk mi plj dk; l (Drainage line treatment												
cbf LVcykbit'sku (Bank Stablization)	M	0.021669		0			0	0	0	0		0
, fudV fuekzk (Anicut)	M	4.32	1	4.32	4.32		0	1	4.32	4.32		0
Total (B)				93.642	58.330	35.313	2.837		80.886	42.269	38.616	2.247
(C)	Production System (10%)											
mRi lnu fodkl xrfof/k; k (Production measures for arable land												
df=e xMzku (A.I.)	No.	0.0015	909	1.364	1.364		0.273	4821	7.232	1.232	6.000	0.246

i'kq fpcdRI k f'kfoj (A.H. CAMP)		0.24	2	0.480		0.480		2	0.480		0.480	
i'kq [ly fuekzk (Manger Construction)		0.008	43	0.344	0.344		0.069	34	0.272	0.272		0.054
[kjhQ Ql y in'ku	No.		116	2.261	2.261		0.452	82	1.456	1.456		0.291
jch Ql y in'ku	No.		76	1.825	1.825		0.365	48	1.085	1.085		0.217
Qynlj ikkiki .k	Ha	0.24	21	6.379	1.440	4.939	0.288	19	5.899	0.960	4.939	0.192
oehz dEikkV	No.	0.24	0	0.000	0.000		0.000	0	0.000	0.000		0.000
uMi dEikkV	No.	0.02	30	0.600	0.600		0.120	22	0.440	0.440		0.088
futh df'k Hme ij CVH ds l kfk xokjikBk ikkiki .k dk;Z l fgr (CVH Pro. Other Alovera)	Ha	0.01965	153	2.943	1.081	1.862	0.216	115	2.218	0.983	1.235	0.197
futh df'k Hme ij CVH ds l kfk xokjikBk , oa djknk ikkiki .k dk;Z l fgr (Cvh Pro. Other Alovera+Karonda)	Ha	0.21038	62	13.022	1.052	11.970	0.210	25	5.252	0.842	4.410	0.168
l'cth feuh fdV (Kitchen Garden KIT)	No.	0.009	50	0.450	0.450		0.090	31	0.279	0.279		0.056
tfod cM+	No.	0.157	16	2.512		2.512		14	2.198		2.198	
Qyldh [kth	No.	0.240	3	0.720		0.720		5	1.200		1.200	
el'lyk [kth	No.	0.233	4	0.932		0.932		3	0.699		0.699	
vkS/th; k ikkiki dh [kth	No.	0.150	2	0.300		0.300		2	0.300		0.300	
ul'jh LFki uk (25000 Forest Plant/ Family)	No.	0.750	4	3.000		3.000		3	2.250		2.250	
ftll e lshie l'pkj	No.	0.007	10	0.070		0.070		10	0.070		0.070	
fl'pkbz grqiki b'lykz	No.	0.150	5	0.750		0.750		3	0.450		0.450	
fla'Dyj fl'LVe	No.	0.450	3	1.350		1.350		3	1.350		1.350	
fMfl'pkbz; kstuk	No.	0.420	3	1.260		1.260		3	1.260		1.260	
df'k ; a= VLi s'j½	No.	0.050	3	0.150		0.150		4	0.200		0.200	
ikk l'j{k.k ; a=	No.	0.010	4	0.040		0.040		2	0.020		0.020	

uie mRi knu	No.	0.005	4	0.020		0.020		7	0.035		0.035	
xhu gkm l LFki uk	No.	1.500	2	3.000		3.000		2	3.000		3.000	
ckd mRi knu	No.	0.080	4	0.320		0.320		5	0.400		0.400	
Total Production System				44.091	10.416	33.675	2.083		38.043	7.548	30.496	1.510
(D) Livelihood System 9 %												
vktfodk ,oa tboiktü xfrfoi/k;la(Livelihood System)												
Loa l gk; rk l eg dls fjolyfoa QUM Hlqrlu (Revolving Fund to SHG (60% minimum)	No.	0.250	26	6.624	6.624			17	4.293	4.293		
m/keh 0; fDr dls fjolyfoa QUM Hlqrlu Revolving Fund to enterprising individual (10% maximum)	No.	0.250	3	0.750	0.750			2	0.500	0.500		
Loa l gk; rk l eg dls QMJjstu ds }kjk vuplu jkl'k Hlqrlu Grant in aid to enterprising SHG or Federation of SHGs individual (30% maximum)	No.	2.000	1	2.000	2.000			1	2.000	2.000		
exhil kyu	No.	1.500	2	3.000		3.000		5	7.500		7.500	
eNyh i kyu	No.	5.000	0	0.000		0.000		0	0.000		0.000	
mPp f'k(kk	No.	0.100	9	0.900		0.900		16	1.600		1.600	
rduhdh if'k(k.k	No.	0.100	10	1.000		1.000		8	0.800		0.800	
i 'kq chek ; kst uk	No.	0.004	412	1.648		1.648		375	1.500		1.500	
Total Livelihood				15.922	9.374	6.548	0.000		18.193	6.793	11.400	0.000
(E) Consolidation 3%												
dU lkyMSlu (Consolidation)				3.125	3.1248				2.264	2.2644		
GRAND TOTAL				179.70	104.16	75.54	4.92		155.99	75.48	80.51	3.76

Proposed Development Plan

Proposed Development Plan							
(A)	Preparatory Phase Activities						
Activity	Unit	Unit Cost	TOTAL				
			Quantity	Total Cost	Cost from Project Fund	Convergence Fund	Beneficiary Contribution
i l k l fud (Adm. 10%)				36.9	36.900		
ekw/fjx (Monitoring 1%)				3.69	3.690		
eW; kdu (Evaluation 1%)				3.69	3.690		
i b k fclhq xfrfof/k (EPA 4%)				14.760	14.760		0
bllVhV; tkuy , oadi fi Vh fcYMhx (I & CB 5%)				18.45	18.450		
foLrr ifj; ktuk ifronu (DPR 1%)				3.69	3.690		
Total (A)				81.180	81.180		
(B)	Natural resource management (56%)						
Conservation measures for arable land (private land)							
futh d f k l l e i j d k; l							
futh d f k l l e i j CVH d k; l (Earthen Bund/ CVH) "A" Type	M	80.22	44120	37.785	23.402	14.383	1.872
CVH d k; l "B" Type	M	149.97	17629	28.290	17.091	11.199	1.367
CVH d k; l "C" Type	M	243.41	8311	21.573	13.429	8.144	1.074
CVH d k; l "D" Type	M	517.22	3431	19.145	10.639	8.506	0.851
CVH d k; l "E" Type	M	874.46	1110	10.281	6.786	3.495	0.543
CVH d k; l "F" Type	M	1325.08	497	6.737	5.817	0.920	0.465
o l V f o; j f u e l z k d k; l (Weste weir) "A" Type	No.	0.152	48	7.296	7.296		0.584
Weste weir "B" Type	No.	0.223	19	4.237	4.237		0.339
Weste weir "C" Type	No.	0.345	12	4.140	4.140		0.331
Weste weir "D" Type	No.	0.549	8	4.392	4.392		0.351
Weste weir "E" Type	No.	0.900	5	4.500	4.500		0.360
Weste weir "F" Type	No.	1.233	3	3.699	3.699		0.296
Okel i M (Farm pond)	No.	1.691	44	100.686	16.910	83.776	1.353
v d f k l l e i j d k; l (Conservation measures for non arable land)							

i p k ; r @ l j d k j h h i e i j p k j k x g f o d k l d k ; l (Pasture Development)	Ha	0.77508	62	48.055	48.055		
t y l j (k . k l j p u k , @ u i M h f u e l z k (Water Harvesting Structure/ Nadi)	No.	2.3525	2	4.705	4.705		
f u t h v d f k h i e i j p k j k x g f o d k l d k ; l (Pasture Development (Private Farmer)	Ha	80.22	23441	20.572	9.943	10.628	0.577
ulyk mi p k j d k ; l (Drainage line treatment							
c d l L V c y k b i t s k u (Bank Stablization)	M	0.021669	0	0.000	0.000		
, f u d V f u e l z k (Anicut)	M	4.32	5	21.600	21.600		
Total (B)				347.693	206.641	141.05	10.364
(C) Production System (10%)							
m R i k n u f o d k l x r f o f / k ; k (Production measures for arable land							
d f = e x h h z k u (A.I.)	No.	0.0015	7240	10.860	4.860	6.000	0.972
i ' l q f p d R I k f ' l f o j (A.H. CAMP)		0.24	8	1.920		1.920	
i ' l q [l s y f u e l z k (Manger Construction)		0.008	176	1.408	1.408		0.282
[k j h Q Q l y i n ' k u	No.		401	7.588	7.588		1.518
j c h Q l y i n ' k u	No.		251	5.969	5.969		1.194
Q y n k j i k s k j k i . k	Ha	0.24	82	24.946	5.520	19.426	1.104
o e l z d E i k u V	No.	0.24	0	0.000	0.000		0.000
u M i d E i k u V	No.	0.02	117	2.340	2.340		0.468
f u t h d f k h i e i j C V H d s l k f k x o k j i k B k i k s k j k i . k d k ; l l f g r (CVH Pro. Other Alovera)	Ha	0.01965	533	10.260	4.009	6.251	0.802
f u t h d f k h i e i j C V H d s l k f k x o k j i k B k , o a d j k i n k i k s k j k i . k d k ; l l f g r (Cvh Pro. Other Alovera+Karonda)	Ha	0.21038	156	32.766	3.576	29.190	0.715
l C t h f e u h f d V (Kitchen Garden KIT)	No.	0.009	181	1.629	1.629	0.000	0.326
t f o d c k M +	No.	0.157	63	9.891		9.891	
Q y l a d h [k r h	No.	0.240	16	3.840		3.840	
e l k y k [k r h	No.	0.233	20	4.660		4.660	
v k s k / h ; k i k s k i a d h [k r h	No.	0.150	7	1.050		1.050	
u l j h L F k i u k (25000 Forest Plant/- Family)	No.	0.750	17	12.750		12.750	
f t I l e l s h i e l p k j	No.	0.007	44	0.308		0.308	
f l p k b z g r q i k b i y l b u	No.	0.150	16	2.400		2.400	
f l a D y j f l l V e	No.	0.450	12	5.400		5.400	

fMf fl pkbZ ; kst uk	No.	0.420	14	5.880		5.880		
dfk ; a= %Li s j½	No.	0.050	14	0.700		0.700		
i ksk l j{k.k ; a=	No.	0.010	10	0.100		0.100		
ube mRi knu	No.	0.005	22	0.110		0.110		
xbu gkm l LFki uk	No.	1.500	8	12.000		12.000		
clá mRi knu	No.	0.080	22	1.760		1.760		
Total Production System					160.535	36.899	123.636	7.380
(D) Livelihood System 9 %								
vktfodk , oatbóktü xrfof/k; k(Livelihood System)								
Loa l gk; rk l eg dls fjolsyfoa QUM Hkqrku (Revolving Fund to SHG (60% minimum))	No.	0.250	89	22.710	22.710			
m/keh 0; fDr dls fjolsyfoa QUM Hkqrku Revolving Fund to enterprising individual (10% maximum)	No.	0.250	10	2.500	2.500			
Loa l gk; rk l eg dls QMj s ku ds }kj k vumku jkf k Hkqrku Grant in aid to enterprising SHG or Federation of SHGs individual (30% maximum)	No.	2.000	4	8.000	8.000			
exhíkyu	No.	1.500	11	16.500		16.500		
eNyh íkyu	No.	5.000	0	0.000		0.000		
mPp f k{k	No.	0.100	51	5.100		5.100		
rduhch í f k{k	No.	0.100	45	4.500		4.500		
i 'lq ctek ; kst uk	No.	0.004	1767	7.068		7.068		
Total Livelihood					66.378	33.210	33.17	0.000
(E) Consolidation 3%								
dUI kymSkú (Consolidation)				11.070	11.070			
GRAND TOTAL					666.86	369.00	297.86	17.74

Signatures
Project Manager, WCDC
Distt. – DHOLPUR (Raj.)

CHAPTER - I V
Activity wise Total Abstract of cost

Activity	Unit	Quantity	Unit cost	Total cost	Cost from Project Fund			Quantity	Unit cost	Convergence Fund	Beneficiary Contribution
					Labour	Material	TOTAL				
tyxg.k fodkl dk;Lpj.k (56%)											
df'k Hie dk;Lw/fl ipr½											
CVH(NRM) 'A' TYPE (Upto hight 0.50 m)	M	29172	80.220	37.785	21.485	1.917	23.402	14948	96.22	14.383	1.872
CVH(NRM) 'B' TYPE (Upto Hight 0.75 m)	M	11396	149.970	28.290	16.112	0.979	17.091	6233	179.68	11.199	1.367
CVH(NRM) 'C' TYPE (Upto Hight 1.00 m)	M	5517	243.410	21.573	12.804	0.625	13.429	2794	291.48	8.144	1.074
CVH(NRM) 'D' TYPE (Upto Hight 1.50 m)	M	2057	517.220	19.145	10.242	0.397	10.639	1374	619.08	8.506	0.851
CVH(NRM) 'E' TYPE (Upto Hight 2.00 m)	M	776	874.460	10.281	6.555	0.230	6.786	334	1046.51	3.495	0.543
CVH(NRM) 'F' TYPE (Upto Hight 2.50 m)	M	439	1325.08	6.737	5.629	0.188	5.817	58	1585.70	0.920	0.465
Weste Weir "A"Type	No	48	15200	7.296	2.379	4.917	7.296				0.584
Weste Weir "B"Type	No	19	22300	4.237	1.394	2.843	4.237				0.339
Weste Weir "C"Type	No	12	34500	4.140	1.376	2.764	4.140				0.331
Weste Weir "D"Type	No	8	54900	4.392	1.468	2.924	4.392				0.351
Weste Weir "E"Type	No	5	90000	4.500	1.511	2.989	4.500				0.360
Weste Weir "F"Type	No	3	123300	3.699	1.244	2.455	3.699				0.296
Farm Pond	No	10	169100	100.686	16.904	0.006	16.910	34	246400	83.776	1.353
Total				252.761	99.105	23.233	122.34			130.42	9.79
wdf'k Hie½											
pxlxkg fodkl	Ha	62	77508	48.055	36.928	11.127	48.055				
NADI IN P.D BLOCK	No	2	235250	4.705	3.589	1.116	4.705		294250	0.000	
pxlxkg fodkl (Private Farmer)	Ha	12395	80.220	20.572	9.129	0.814	9.943	11046	96.22	10.628	0.577
Total				73.332	49.647	13.056	62.70			10.63	0.58
ukyk mi pj; dk;L											
Bank stabilazation	M	0	2167	0.000	0.000	0.000	0.000				
ANICUT	M	5	432000	21.600	13.480	8.120	21.600				
Total				21.60	13.48	8.12	21.60			0.00	0.00
GRAND TOTAL				347.693	162.231	44.409	206.641			141.052	10.364
Livelihood System (9 %)											
Revolving Fund to SHG (60 % minimum)	No	89	0.25000	22.710	0	22.710	22.710				
Revolving Fund to enterprising individual (10 % maximum)	No	10	0.25000	2.500	0	2.500	2.500				
Grant in aid to enterprising SHG or Federation of SHGs individual (30 % maximum)	No	4	2.00000	8.000	0	8.000	8.000				
ekñl kyu	No	11		16.500	0	0		11	1.5	16.500	
eNyh ikyu	No	0		0.000	0	0		0	5	0.000	
mPp f'k(ik)	No	51		5.100	0	0		51	0.1	5.100	
rduich i f'k(ik)	No	45		4.500	0	0		45	0.1	4.500	
i 'lq chek ; lst uk	No	1767		7.068	0	0		1767	0.004	7.068	
Total				66.378	0.000	33.210	33.210			33.168	

Production System (10%)											
A.I.	No	3240	0.0015	10.860		4.860	4.860	4000	0.0015	6.000	0.972
A.H. CAMP	No	8		1.920				8	0.24	1.920	
Manger Construction	No	176	0.0080	1.408		1.408	1.408				0.282
[kj]Q	No	401		7.588		7.588	7.588				1.518
jch	No	251		5.969		5.969	5.969				1.194
Qynlj i kkkj .k	Ha	23	0.24	24.946	3.450	2.070	5.520	59	0.329	19.426	1.104
oei dEi kV	No	0	0.24	0.000	0.000	0.000	0.000				0.000
uMi dEi kV	No	117	0.02	2.340	0.000	2.340	2.340				0.468
dFk lliE (cvh Pro.) Other Alovera	Ha	204	0.01965	10.260	2.252	1.756	4.009	329	0.019	6.251	0.802
dFk lliE (cvh Pro.) Other Alovera+Karonda	Ha	17	0.21038	32.766	2.218	1.358	3.576	139	0.21	29.190	0.715
Inovative Works											
Kitchen garden KIT	No	181	0.009	1.629		1.629	1.629				0.326
tfo dM+	Ha	63		9.891	0	0		63	0.157	9.891	
Qyia ch [lrh	Ha	16		3.840	0	0		16	0.24	3.840	
el kyk [lrh	Ha	20		4.660	0	0		20	0.233	4.660	
vS/h; k i kkk ch [lrh	Ha	7		1.050	0	0		7	0.15	1.050	
ul jh LFki uk (25000 Forest Plant/- Family)	No	17		12.750	0	0		17	0.75	12.750	
ftll e l s lliE l klij	Ha	44		0.308	0	0		44	0.007	0.308	
fl pkbz grq i kbz ytbz	No	16		2.400	0	0		16	0.15	2.400	
fl i Dyj fl lVe	Ha	12		5.400	0	0		12	0.45	5.400	
fM fl pkbz ; kstuk	Ha	14		5.880	0	0		14	0.42	5.880	
dFk ; e l i s j z	No	14		0.700	0	0		14	0.05	0.700	
i k k l j (k ; e	No	10		0.100	0	0		10	0.01	0.100	
ue mri lnu	No	22		0.110	0	0		22	0.005	0.110	
xhu glml LFki uk	Ha	8		12.000	0	0		8	1.5	12.000	
cl mri lnu	Ha	22		1.760	0	0		22	0.08	1.760	
Total				160.535	7.920	28.979	36.899			123.636	7.380
GRAND TOTAL				574.61	170.15	106.60	276.75			297.86	17.74

***Tentative and will vary during execution according to beneficiary**

Signatures
PIA P.S. Baseri

Signatures
Project Manager, WCDC
Distt. - DHOLPUR

CHAPTER – V

Annual Action Plan : The project period can vary from 4 to 7 years and accordingly the table given below be prepared. Also the activities mentioned below are indicative and can vary from project to project. Also this if PIA feels necessary to make it GP Wise it can add pages.

Annual Action Plan Through Project Fund

(A)	Preparatory phase activities capacity building trainings & EPA																		
	Activity	Unit	Quantity	Unit Cost	Total cost	1st year		2nd year		3rd year		4th year		5th year		6th year		Total	
						Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
Admn.				36.90				1.85		5.54		11.81		10.33		7.38		36.90	
Monitoring				3.69						0.74		1.48				1.48		3.69	
Evaluation				3.69						1.11				1.29		1.29		3.69	
EPA				14.76			14.76											14.76	
I & CB				18.45			1.87		9.21		5.53		1.84					18.45	
DPR				3.69			3.69											3.69	
Total (A) 22%				81.18			22.17		16.59		18.81		13.46		10.15			81.18	
(B)	Natural resource management(56%)																		
Conservation measures for arable land(private land)																			
Earthen Bund/ CVH "A" Type	M	29172	80.22	23.40					14057	11.28	10740	8.62	4375	3.51				29172	23.40
Earthen Bund/ CVH "B" Type	M	11396	149.97	17.09					2671	4.01	6900	10.35	1825	2.74				11396	17.09
Earthen Bund/ CVH "C" Type	M	5517	243.41	13.43					1378	3.35	2865	6.97	1274	3.10				5517	13.43
Earthen Bund/ CVH "D" Type	M	2057	517.22	10.64					438	2.27	985	5.09	634	3.28				2057	10.64
Earthen Bund/ CVH "E" Type	M	776	874.46	6.79					247	2.16	350	3.06	179	1.57				776	6.79
Earthen Bund/ CVH "F" Type	M	439	1325.1	5.82					65	0.86	255	3.38	119	1.58				439	5.82
Weste weir "A" Type	No	48	15200	7.30					18	2.74	25	3.80	5	0.76				48	7.30
Weste weir "B" Type	No	19	22300	4.24					8	1.78	7	1.56	4	0.89				19	4.24
Weste weir "C" Type	No	12	34500	4.14					6	2.07	4	1.38	2	0.69				12	4.14
Weste weir "D" Type	No	8	54900	4.39					4	2.20	1	0.55	3	1.65				8	4.39
Weste weir "E" Type	No	5	90000	4.50					2	1.80	2	1.80	1	0.90				5	4.50
Weste weir "F" Type	No	3	123300	3.70					1	1.23	1	1.23	1	1.23				3	3.70
Khet talai / Farm pond	No	10	169100	16.91					3	5.07	4	6.76	3	5.07				10	16.91
Conservation measures for non arable land																			
Pasture Development	Ha	62	77508	48.05					20	15.50	30	23.25	12	9.30				62	48.05
Water Harvesting Structure/ Nadi	No	2	235250	4.71					0	0.00	1	2.35	1	2.35				2	4.71
Pasture Development (Private Farmer)	Ha	12395	80.22	9.94					5636	4.52	4297	3.45	2462.0	1.98				12395	9.94

Drainage line treatment																		
Bank stabilization (Hight 2 m)	M	0	2166.9	0.00				0	0.00	0	0.00	0	0.00				0	0.00
ANICUT	M	5	432000	21.60				3	12.96	2	8.64	0	0.00				5	21.60
Total (B)				206.64					73.80		92.25		40.59					206.64
(C)	Production System (10%)																	
Production measures for arable land																		
A.I.	No	3240	150	4.86				1648	2.47	1150	1.73	320	0.48	122	0.18		3240	4.86
Manger Construction	No	176	800	1.41				15	0.12	71	0.57	55	0.44	35	0.28		176	1.41
Kharif Demonstration	No	401		7.59				81	1.55	141	2.67	123	2.31	56	1.06		401	7.59
Rabi Demonstration	No	233		5.97				49	1.19	79	1.92	80	1.91	43	0.96		251	5.97
Horticulture plantation	Ha	23	24000	5.52				4	0.96	9	2.16	9	2.16	1	0.24		23	5.52
Varmi Compost	No	0	24000	0.00				0	0.00	0	0.00	0	0.00	0	0.00		0	0.00
Nedep Compost	No	117	2000	2.34				12	0.24	38	0.76	62	1.24	5	0.10		117	2.34
Alovira on farmbunding	Ha	204	1965	4.01				13	0.26	53	1.04	103	2.02	35	0.69		204	4.01
Alovira + Karonda on farmbunding	Ha	17	21038	3.58				2	0.42	7	1.47	8	1.68	0	0.00		17	3.58
Vegetables Kit	No	181	900	1.63				20	0.18	67	0.60	74	0.67	20	0.18		181	1.63
Livelihood System 9%																		
Revolving Fund to SHG (60 % minimum)	No	89	25000	22.71				13	3.25	25	6.25	25	6.25	26	6.96		89	22.71
Revolving Fund to enterprising individual (10 % maximum)	No	10	25000	2.50				2	0.50	3	0.75	3	0.75	2	0.50		10	2.50
Grant in aid to enterprising SHG or Federation of SHGs individual (30 % maximum)	No	4	200000	8.00				0	0.00	2	4.00	2	4.00	0	0.00		4	8.00
Total (C)				70.11					11.13		23.92		23.91		11.15			70.11
(D) Consolidation				11.07											11.07			11.07
Grand Total				369.00			22.17		101.52		134.98		77.97		32.37			369.00

Annual Action Plan Through Convergence Fund

(A)	Preparatory phase activities capacity building trainings & EPA																	
Activity	Unit	Quantity	Unit Cost	Total cost	1st year		2nd year		3rd year		4th year		5th year		6th year		Total	
					Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
(B)	Natural resource management(56%)																	
Conservation measures for arable land(private land)																		
Earthen Bund/ CVH "A" Type	M	14948	0.0010	14.38					3737	3.60	3737	3.60	3737	3.60	3737	3.60	14948	14.38
Earthen Bund/ CVH "B" Type	M	6233	0.0018	11.20					1558	2.80	1558	2.80	1559	2.80	1558	2.80	6233	11.20
Earthen Bund/ CVH "C" Type	M	2794	0.0029	8.14					699	2.04	698	2.03	699	2.04	698	2.03	2794	8.14
Earthen Bund/ CVH "D" Type	M	1374	0.0062	8.51					343	2.12	344	2.13	343	2.12	344	2.13	1374	8.51
Earthen Bund/ CVH "E" Type	M	334	0.0105	3.50					84	0.88	83	0.87	84	0.88	83	0.87	334	3.50
Earthen Bund/ CVH "F" Type	M	58	0.0159	0.92					14	0.22	15	0.24	14	0.22	15	0.24	58	0.92
Khet talai / Farm pond	No	34	2.4640	83.78					9	22.18	8	19.71	9	22.18	8	19.71	34	83.78
Conservation measures for non arable land																		
NADI IN P.D BLOCK	Ha		2.943	0.00						0.00		0.00		0.00		0.00	0	0.00
Pasture Development (Private Farmer)	Ha	11046	0.001	10.63					2761	2.66	2762	2.66	2761	2.66	2762	2.66	11046	10.63
Total (B)				141.05						36.49		34.04		36.49		34.04		141.05
(C)	Production System (10%)																	
Production measures for arable land																		
A.I.	No	4000	0.0015	6.00					1000	1.50	1000	1.50	1000	1.50	1000	1.50	4000	6.00
A.H. camp	No	8	0.24	1.92					2	0.48	2	0.48	2	0.48	2	0.48	8	1.92
Horticulture plantation	Ha	59	0.3293	19.43					15	4.94	14	4.61	15	4.94	15	4.94	59	19.43
Alovira on farmbundng	Ha	329	0.019	6.25					82	1.56	82	1.56	82	1.56	83	1.58	329	6.25
Alovira + Karonda on farmbundng	Ha	139	0.21	29.19					35	7.35	35	7.35	34	7.14	35	7.35	139	29.19
tfo d ckM+	Ha	63	0.157	9.89					16	2.51	16	2.51	16	2.51	15	2.36	63	9.89
Qw/ka dh [krh	Ha	16	0.24	3.84					4	0.96	4	0.96	4	0.96	4	0.96	16	3.84
el kyk [krh	Ha	20	0.233	4.66					5	1.17	5	1.17	5	1.17	5	1.17	20	4.66
vksk/kh; k i kskka dh [krh	Ha	7	0.15	1.05					2	0.30	1	0.15	2	0.30	2	0.30	7	1.05

ul jh LFkki uk (25000 Forest Plant/- Family)	No	17	0.75	12.75					4	3.00	4	3.00	5	3.75	4	3.00	17	12.75
ftII e l sHkfe l qkkj	Ha	44	0.007	0.31					11	0.08	11	0.08	11	0.08	11	0.08	44	0.31
fl pkbz grq i kbz ykbz	No	16	0.15	2.40					4	0.60	4	0.60	4	0.60	4	0.60	16	2.40
fla Dyj fl LVe	Ha	12	0.45	5.40					3	1.35	3	1.35	3	1.35	3	1.35	12	5.40
fMf fl pkbz ; kst uk	Ha	14	0.42	5.88					4	1.68	3	1.26	4	1.68	3	1.26	14	5.88
dfk ; a= %Lis j½	No	14	0.05	0.70					3	0.15	4	0.20	3	0.15	4	0.20	14	0.70
iksk l j{k.k ; a=	No	10	0.01	0.10					2	0.02	3	0.03	2	0.02	3	0.03	10	0.10
uhe mRiknu	No	22	0.005	0.11					6	0.03	5	0.03	6	0.03	5	0.03	22	0.11
xhu gml LFkki uk	Ha	8	1.5	12.00					2	3.00	2	3.00	2	3.00	2	3.00	8	12.00
ckl mRiknu	Ha	22	0.08	1.76					5	0.40	6	0.48	5	0.40	6	0.48	22	1.76
Livelihood System 9%																		
exhiky	No	11	1.5	16.50					3	4.50	3	4.50	2	3.00	3	4.50	11	16.50
eNyh iky	No	0	5	0.00						0.00		0.00		0.00		0.00	0	0.00
mPp f'k{k	No	51	0.1	5.10					13	1.30	13	1.30	13	1.30	12	1.20	51	5.10
rdulch i f'k{k	No	45	0.1	4.50					11	1.10	11	1.10	11	1.10	12	1.20	45	4.50
i'kq chek ; kst uk	No	1767	0.004	7.07					442	1.77	441	1.76	442	1.77	442	1.77	1767	7.07
Total (C)				156.80						39.74		38.97		38.78		39.32	0	156.80
(D) Consolidation				0.00														0.00
Grand Total				297.86						76.23		73.01		75.27		73.35		297.86

Signatures
PIA P.S. Baseri

Signatures
Project Manager, WCDC
Distt. - DHOLPUR

CHAPTER – VI EXPECTED OUT COMES

1	2	3	4	5	6
S. No.	Item	Unit of measurement	Pre-project Status	Expected Post-project Status	Remarks
1	Status of water table (Depth to Ground water level)	Meters	12.50	11.50	
2	Ground water structures repaired/ rejuvenated	No.	-	-	
3	Quality of drinking water	Description	N.A	N.A	
4	Availability of drinking water	Description	961530lit/day	1057683Lit/Day	
5	Change in irrigated Area	Ha	320	390	
6	Change in cropping/ land use pattern	Description			
7	Area under agricultural crop	Ha	1009	1110	
	I Area under single crop	Ha	910	1005	
	li Area under double crop	Ha	301	365	
	lii Area under multiple crop	Ha	0		
8	Change in cultivated Area	Ha			
9 yield of major crops of area	Yield of Bajra	q/ha	8.16	10.10	
	Yield of Wheat	q/ha	27.48	28.37	
	Yield of Gram	q/ha	8.69	9.01	
	Yield of Mustard	q/ha	10.59	11.00	
10 production of major crops of area	Production of Bajra	ton	420.30	504.00	
	Production of Wheat	ton	442.43	530.00	
	Production of Gram	ton	30.41	40.00	
	Production of Mustard	ton	68.84	99.00	
11	Area under vegetation	Ha	10	12	
12	Area under horticulture	Ha	11	93	
13	Area under fuel	Ha	5	3	
14	Area under Fodder	Ha	1009	3750	
15	Fodder production	Q	51315	143640	
16	Milk production	Litres/day	34120	36240	
17	SHGs Active	No.	4	93	
18	No. of enterprising individuals	No.	3	8	
19	Income	Rs.in la	0.124	0.20	
20	Migration	No.	125	90	
21	SHG Federations formed	No.			

Critical Assumption

- No severe droughts/ unexpected floods/ natural disasters
- Adequate funds are allocated for the same and released on time.
- There is no significant pest/ disease attack, and if so, then it will have been contained before irreversible damage is done.
- Adverse market conditions do not persist long.
- Sound macro-economic and growth conditions continue and the benefits are widely distributed particularly in the rural areas.
- Facilitating agencies and resource providers have the required competent staff so that timely and appropriate technical advice and services are provided to farmers whenever required.
- The Capacity Building Plan is implemented, monitored and modified to address evolving needs and feedback from participants.

Means of Verification of indicators

- Baseline surveys like household income ,expenditure, health and nutrition etc at the beginning, mid-term and end of the project period
- Annual participatory assessment by communities during project period.
- Regular project monitoring reports prepared by project monitoring teams/ agencies.
- Membership and other Records, Minutes of Meetings maintained by the SHGs, WCs/ Individual beneficiaries/project-related village and local bodies/PRIs.
- External review missions
- Data maintained by Government department (Revenue, Agriculture, Groundwater, Irrigation, Animal Husbandry)

CHAPTER - VIII Enclosures -

- a. Location –District, block, village, Watershed Location Map
- b. Map of **DHOLPUR (IWMP–VIII) BASERI** Project (Watershed Boundary demarcation in cadastral & Topo Sheet)
- c. PRA Map (along with photos & paper drawing)
- d. Treatment map (Indicate proposed works)
- e. Cadastral Map on watershed boundary
- f. Information on Soils, Soil fertility, Land capability, Soil chemical problems like salinity, alkalinity
- g. Land Use Land Cover map
- h. Information on existing water harvesting structures & well inventory along with GPS co-ordinates.
- i. High resolution, latest Remote Sensing Satellite data

Documents of Agreements:

Proceedings of gram Sabah for EPA approval

Proceedings of gram Sabah Resolution for committee constitution

Proceedings of gram Sabah for DPR approval

Proceeding of Standing Committee of P.S. for DPR approval.

Proceeding of Standing Committee of Z.P. for DPR approval.

Assistant Engineer, PIA

WD & SC P.S. BASERI

Project Manager, WCDC

WD & SC. Distt.- DHOLPUR

WCDC Level Proposed Target of Project IMWP-VIII

No.	Head	Total Target	Amount (Rs. In Lackh)					
			Financial year					
			2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	TOTAL
1	Administrative (0%)		0	0	0	0	0	0.000
2	Capacity building (1.3%)	4.797	0	0.479	2.446	1.439	0.433	4.797
3	Monitoring (0.20%)	0.738	0	0.148	0.295	0	0.295	0.738
4	Preparation of Dpr		0	0	0	0	0	0.000
5	Any Other/Consolident (0.1%)	0.369	0	0	0	0	0.369	0.369
	TOTAL	5.904	0.000	0.627	2.741	1.439	1.097	5.904

PIA Level Proposed Target of Project IMWP-VIII

No.	Head	Total Target	Amount (Rs. In Lackh)					
			Financial year					
			2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	TOTAL
1	Administrative (10%)	36.900	1.845	5.535	11.808	10.332	7.38	36.900
2	Capacity building (3.65%)	13.468	1.368	6.01	4.034	1.342	0.714	13.468
3	Monitoring (0.60%)	2.214	0	1.328	0.443	0	0.443	2.214
4	Preparation of Dpr (1%)	3.690	3.69	0	0	0	0	3.690
5	Any Other/consolident (0.2%)	0.738	0	0	0	0	0.738	0.738
6	EPA (4%)	14.760	14.76	0	0	0	0	14.760
	TOTAL	71.770	21.663	12.873	16.285	11.674	9.275	71.770

SLNA Level Proposed Target of Project IMWP-VIII

No.	Head	Total Target	Amount (Rs. In Lackh)					
			Financial year					
			2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	TOTAL
1	Evaluation (1%)	3.690	0	0.369	1.476	1.845	0	3.690
2	Capacity building (0.05%)	0.185	0	0.185	0	0	0	0.185
3	Monitoring (0.20%)	0.738	0	0.148	0.295	0	0.295	0.738
4	Any Other/consolident (0.10%)	0.369	0	0	0	0	0.369	0.369
	TOTAL	4.982	0.000	0.702	1.771	1.845	0.664	4.982

No.	Head	Total Target	Total Amount (Rs. In Lackh)					
			Financial year					
			2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	TOTAL
1	Administrative (10%)	36.900	1.845	5.535	11.808	10.332	7.380	36.900
2	Capacity building (5%)	18.450	1.368	6.674	6.480	2.781	1.147	18.450
3	Monitoring (1%)	3.690	0	1.624	1.033	0	1.033	3.690
4	Preparation of Dpr (1%)	3.690	3.690	0	0	0	0	3.690
5	Any Other/consolident (0.4%)	1.476	0	0	0	0	1.476	1.476
6	EPA (4%)	14.760	14.760	0	0	0	0	14.760
7	Evaluation (1%)	3.690	0	0.369	1.476	1.845	0	3.690
	TOTAL	82.656	21.663	14.202	20.797	14.958	11.036	82.656

PIA Level Proposed Target of Project IMWP-VIII

Financial Target (Watershed works)

Name of Head	Name of Activity	Name of subactivity	Amount in Lackh					TOTAL
			Financial year					
			2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	
1. Watershed Development Works	1.1 Land Development (Productive use)	1.1.1 Afforestation						
		1.1.2 Horticulture						
		1.1.3 Agriculture						
		1.1.4 Pasture Govt.Land)		15.502	23.252	9.301		48.055
		1.1.5 Pasture (private farmer)		4.521	3.447	1.975		9.943
		1.1.6 Open countur tranch		0	0	0		0.000
		TOTAL (PASTURE)		20.023	26.699	11.276		57.998
	1.2 Soil & Moisture Conservation	1.2.1 Staggered trenching						
		1.2.2 Countour Bunding/CVH		23.923	37.473	15.769		77.165
		1.2.3 Graded Bunding						
		1.2.4 Bench Terracing						
		1.2.5 Others / Wasteweir		11.816	10.323	6.122		28.261
	1.3 Vegetative and Engineering Struclure	1.3.1 Earthen Checks						
		1.3.2 Brushwood Checks						
		1.3.3 Gully plugs						
		1.3.4 Loose bolder						
		1.3.5 Gabion Structure						
		1.3.6 Others						
	1.4 Water Harvesting Structure (new Created)	1.4.1 Farm ponds		5.073	6.764	5.073		16.910
		1.4.2 Check dams /MCD		0	0.00	0		0.000
		1.4.3 Nallah Bunds / MMS		12.96	8.64	0		21.600
		1.4.4 Percolation tanks/ Nadi		0	2.353	2.353		4.706
		1.4.5Groun wter recharge structure						0.000
		1.4.6 Others Bank stabilazation		0	0	0		0.000
		TOTAL (NRM)		53.772	65.553	29.317		148.642
	1.5 Water Harvesting structure (renovated)	1.5.1 Farm ponds						
		1.5.2 Check dams						
		1.5.3 Nallah Bunds						
		1.5.4 Percolation tanks						
		1.5.5Groun wter recharge structure						
1.5.6 Others								

PIA Level Proposed Target of Project IMWP-VIII Financial Target (Watershed works)

Name of Head	Name of Activity	Name of subactivity	Amount in Lackh					
			Financial year					
			2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	TOTAL
2. Livelihood activities for the asset - less persons	2.1 plan for Livelihood activities	2.1.1 Revolving Fund to SHG		3.250	6.250	6.250	6.960	22.710
		2.1.2 Revolving Fund to Enterprising Individual		0.500	0.750	0.750	0.500	2.500
		2.1.3 Grant in aid to Enterprising SHG or Federation of SHGs Individual		0.000	4.000	4.000	0.000	8.000
		TOTAL (LIVELIHOOD)		3.750	11.000	11.000	7.460	33.210
3. Production system & micro enterprises	3.1 Others	3.1.1 Kharif Demonstration		1.548	2.67	2.312	1.058	7.588
		3.1.2 Rabi Demonstration		1.186	1.915	1.906	0.962	5.969
		3.1.3 Horticulture plantation		0.96	2.16	2.16	0.24	5.520
		3.1.4 varmi Compost		0	0	0	0	0.000
		3.1.5 Nedep Compost		0.24	0.76	1.24	0.1	2.340
		3.1.6 Alovira on farmbundung		0.255	1.041	2.024	0.688	4.008
		3.1.7 Alovira + Karonda on farmbundung		0.421	1.473	1.683	0	3.577
		3.1.8 Vegetables Kit		0.18	0.603	0.666	0.18	1.629
		3.1.9 A.I.		2.472	1.725	0.48	0.183	4.860
		3.1.10 Manger Construction		0.12	0.568	0.44	0.28	1.408
		TOTAL (PRODUCTION)		7.382	12.915	12.911	3.691	36.899
TOTAL		84.927	116.167	64.504	11.151	276.749		
Any Other/consolident (2.6%)						9.594	9.594	
G. TOTAL				84.927	116.167	64.504	20.745	286.343

PIA Level Proposed Target of Project IMWP-VIII

Physical Target (watershed works)

Name of Head	Name of Activity		Unit	Financial year					TOTAL
				2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	
1. Watershed Development Works	1.1 Land Development (Productive use)	1.1.1 Afforestation (on wasteland)	ha						0
		1.1.1 Afforestation (on total land including wasteland)	ha						0
		1.1.2 Horticulture (on wasteland)	ha						0
		1.1.2 Horticulture (on total land including wasteland)	ha						0
		1.1.3 Agriculture (on total land including wasteland)	ha						0
		1.1.4 Pasture (on wasteland)	ha		20	30	12		62
		1.1.4 Pasture (on total land including wasteland)	m		5636	4297	2462		12395
		1.1.5 Others	No.						0
	1.2 Soil & Moisture Conservation	1.2.1 Staggered trenching	ha						0
		1.2.2 Countour Bunding	m		18856	22095	8406		49357
		1.2.3 Graded Bunding	ha						0
		1.2.4 Bench Terracing	ha						0
		1.2.5 Others	ha/no		39	40	16		95
	1.3 Vegetative and Engineering Structure	1.3.1 Earthen Checks / nadi	Cubic meter						0
		1.3.2 Brushwood Checks	Rmt						0
	1.3.3 Gully plugs	Cubic meter						0	
	1.3.4 Loose bolder	Cubic meter						0	
	1.3.5 Gabion Structure	Cubic meter						0	

PIA Level Proposed Target of Project IMWP-VIII

Physical Target (watershed works)

Name of Head	Name of Activity	Unit	Financial year					TOTAL
			2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	
	1.3.6 Others	Cubic meter						0
1.4 Water Harvesting Structure (new Created)	1.4.1 Farm ponds	nos		3	4	3		10
	1.4.2 Check dams / MCD	nos		0	0	0		0
	1.4.3 Nallah Bunds /MMS	nos		3	2	0		5
	1.4.4 Percolation tanks	nos		0	1	1		2
	1.4.5Groun wter recharge structure	nos						0
	1.4.6 Others	nos						0
1.5 Water Harvesting structure (renovated)	1.5.1 Farm ponds	nos						0
	1.5.2 Check dams /	nos						0
	1.5.3 Nallah Bunds	nos						0
	1.5.4 Percolation tanks	nos						0
	1.5.5Groun wter recharge structure	nos						0
	1.5.6 Others	nos						0
1.6 Water Harvesting Structure (Storage capacity new Created structures)	1.6.1 Farm ponds	Cubic meter		1500	2000	1500		5000
	1.6.2 Check dams /MCD	Cubic meter		6336	7392	3173		16901
	1.6.3 Nallah Bunds /MMS	Cubic meter		3773	7747			11520
	1.6.4 Percolation tanks	Cubic meter		0	1500	1500		3000
	1.6.5Groun wter recharge structure 8	Cubic meter						0
	1.6.6 Others	Cubic meter						0
1.7 Water Harvesting structure (storage capacity renovated structures)	1.7.1 Farm ponds	Cubic meter						0

PIA Level Proposed Target of Project IMWP-VIII

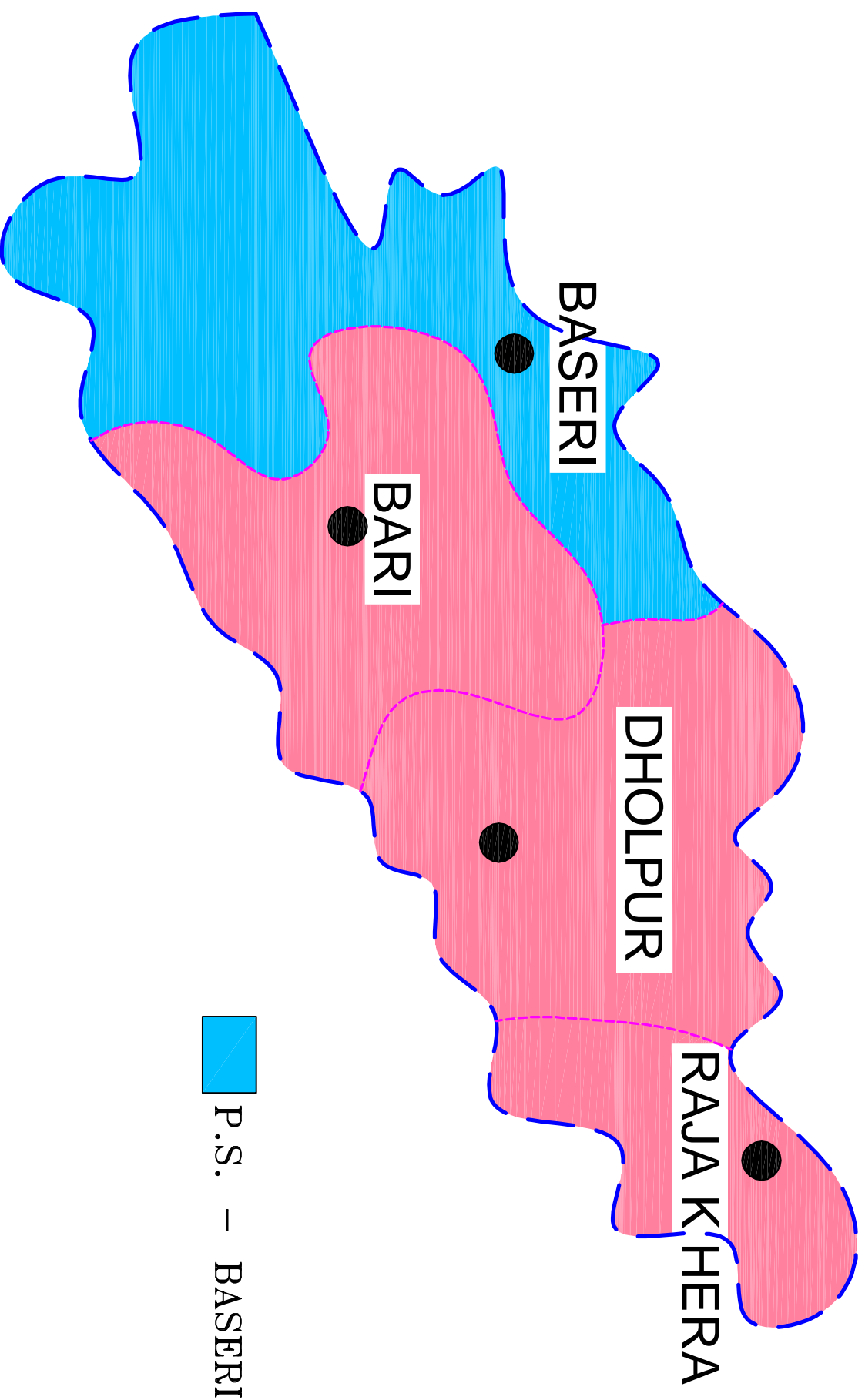
Physical Target (watershed works)

Name of Head	Name of Activity		Unit	Financial year					TOTAL
				2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	
		1.7.2 Check dams /MCD	Cubic meter						0
		1.7.3 Nallah Bunds	Cubic meter						0
		1.7.4 Percolation tanks	Cubic meter						0
		1.7.5 Ground water recharge structure	Cubic meter						0
		1.7.6 Nadi	Cubic meter						0
2. EPA	2.1 No of EPA activities		nos						0
	2.2 No. of water extracting unit created		nos						0
3. Institution & Capacity Building	3.1 SHG Formation (Newly created)	3.1.1 No. of SHG	nos						0
		3.1.2 Total No. of SHG Members	nos						0
		3.2.1 No. of SHG Assisted	nos						0
		3.2.2 Total No. of SHG Members	nos						0
	3.3 UG Formation	3.3.1 No. of UD	nos						0
		3.3.2 Total No. of UGs Members	nos						0
	3.4 Formation of federation	3.4.1 No. of Federation	nos						0
		3.4.4 Total No. of Members of Federation	nos						0
	3.5 Capacity Building	3.5.1 No of Training	nos						0
		3.5.2 No of Persons Trained	nos						0
4. Livelihood activities for the asset - less persons	4.1 No. of activities	4.1.1 Revolving Fund to SHG	nos						0

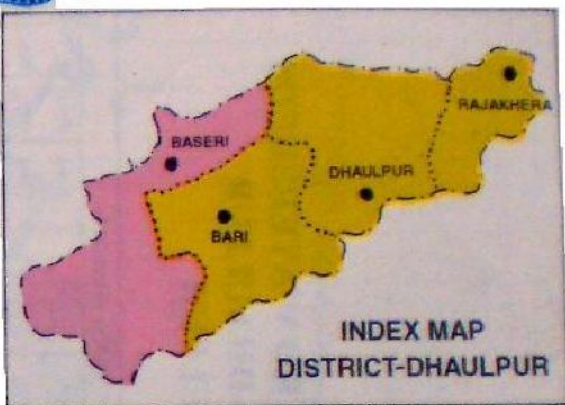
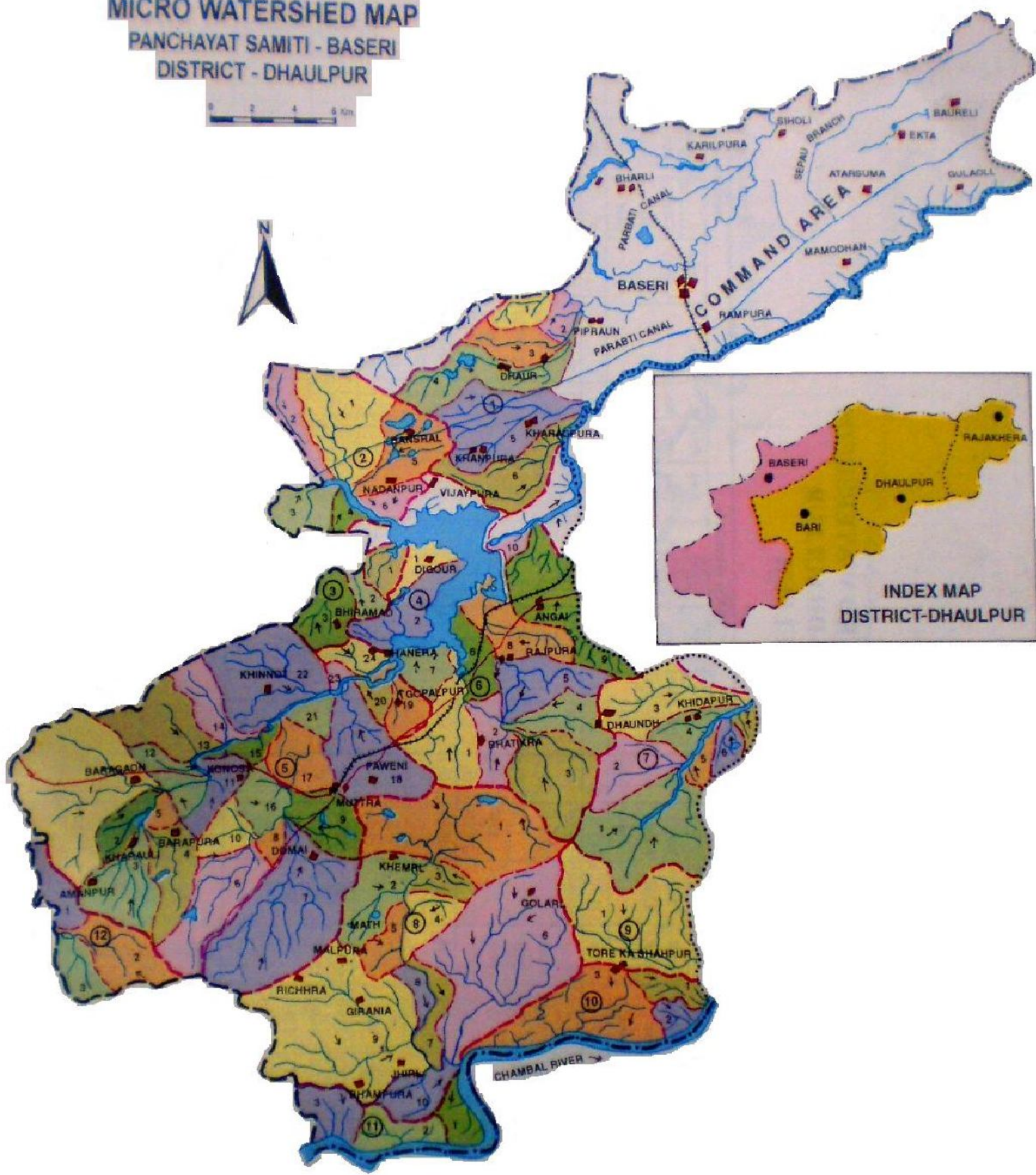
PIA Level Proposed Target of Project IMWP-VIII
Physical Target (watershed works)

Name of Head	Name of Activity		Unit	Financial year					TOTAL
				2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	
		4.1.2 Revolving Fund to Enterprising Individual	nos						0
		4.1.3 Grant in aid to Enterprising SHG or Federation of SHGs Individual	nos						0
	4.2 No. of Beneficiaries	4.2.1 Revolving Fund to SHG	nos		13	25	25	26	89
		4.2.2 Revolving Fund to Enterprising Individual	nos		2	3	3	2	10
		4.2.3 Grant in aid to Enterprising SHG or Federation of SHGs Individual	nos		0	2	2	0	4
		Total			15	30	30	28	103
	Other								0
5. Production system & micro - enterprises	5.1 Kharif Demonstration		nos		81	141	123	56	401
	5.2 Rabi Demonstration		nos		49	79	80	43	251
	5.3 Horticulture plantation		nos		4	9	9	1	23
	5.4 varmi Compost		nos		0	0	0	0	0
	5.5 Nedep Compost		nos		12	38	62	5	117
	5.6 Alovira on farmbundung		nos		13	53	103	35	204
	5.7 Alovira + Karonda on farmbundung	5.3.1 No. of activities	nos		2	7	8	0	17
	5.8 Vegetables Kit	5.3.2 No. of Beneficiaries	nos		20	67	74	20	181
	5.9 A.I.		nos		1648	1150	320	122	3240
	5.10 Manger Construction		nos		15	71	55	35	176
		Sub Total Other			1844	1615	834	317	4610

INDEX MAP DISTRICT - DHOLPUR



MICRO WATERSHED MAP
PANCHAYAT SAMITI - BASERI
DISTRICT - DHAULPUR



INDEX MAP
DISTRICT-DHAULPUR