

## CHAPTER – I INTRODUCTION

### Location:

Integrated Watershed Management Programme PARTAPGARH (IWMP-II) 6/11-12 Local Name Prataogarh IWMP 11-12 (Dunglawani II ) Project is located in PIPAL KHUNT Block, of PARTAPGARH district. The project area is between the latitudes 74°5338' to 74°7304' & 23°6659' to 23°7892' longitudes. It is at a distance of 20 km from its Block head quarters and 60 Kms from the district head quarters. There are 26 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)	PARTAPGARH (IWMP-II) 6/11-12
a)	Name of Catchment	MAHI River
b)	Name of watershed area(local name)	Dunglawani II
c )	Project Area (ha)	6532.00
d)	Net treatable Area (ha)	6532.00
e)	Cost of Project	` 783.84Lac
f)	Cost/hectare	` 12000
g)	Year of Sanction	2011-12
h)	Watershed Code	13/1,2 14/1,2,3,10, 15/1to7,10to19, 16/4,5, 17/1to4, 18/7,8,10, 19/4,5, 20/1 22/7, 23/ 6,38
i)	No. of Gram Panchayats in project area	11
j)	No. of villages in project area	26
k)	Type of Project	other
l)	Elevation (metres)	352
m)	Major streams	6
n)	Slope range (%)	0-10%

### Macro/Micro and Village area details(As per PDCOR data )

S.No.	Macro/micro	Name of Gram Panchayat	Name of Villages Covered	Census code of villages	Net Area (Ha)
1	2	3	4	5	6
1	13/1	BORI	Bakhtor	3396200	261.7
2	18/7,8,10	BORI	Bori	3395700	182.2
3	18/8,10	BORI	Danta	3395600	75.1
		<b>BORI Total</b>			<b>519</b>
4	14/2,3, 15/1-7,15/11-19	DUNGLAWANI	Dunglawani	3406700	2485
		<b>DUNGLAWANI Total</b>			<b>2485</b>
5	14/1,2, 15/1	JAMLI	Warda	3406800	276
		<b>JAMLI Total</b>			<b>276</b>
6	17/1,2	KALI GHATI	Bara	3401100	136.25
7	16/4,5, 17/1,2,3	KALI GHATI	Barawada	3401400	371.85
8	17/1,2,3	KALI GHATI	Bilriya	3401300	170.5
9	17/2	KALI GHATI	Kali Ghati	3401200	204.65
10	13/2, 17/1	KALI GHATI	Maliya	3401000	150.5
11	13/1,2	KALI GHATI	Rinchhri	3400900	179.25
		<b>KALI GHATI Total</b>			<b>1213</b>
12	19/4,5	KELA MELA	Thechla	3401900	88
		<b>KELA MELA Total</b>			<b>88</b>
13	16/5, 17/3,4	KUPDA	Haro	3405300	266
		<b>KUPDA Total</b>			<b>266</b>
14	15/13,14	NAYAN	Gothra	3400600	167.5

### Macro/Micro and Village area details(As per PDCOR data )

S.No.	Macro/micro	Name of Gram Panchayat	Name of Villages Covered	Census code of villages	Net Area (Ha)
15	16/4,5, 17/1	NAYAN	Nayan	3405500	249.25
16	16/4,5, 17/3,4	NAYAN	Saliya	3405400	167.25
		<b>NAYAN Total</b>			<b>584</b>
17	23/6,38	PARTHIPURA	Parthipura	3406200	115.2
18	15/10,11	PARTHIPURA	Peepalda	3406600	139.8
		<b>PARTHIPURA Total</b>			<b>255</b>
19	23/6,38	ROHANIYA	Thakra	3406100	133
		<b>ROHANIYA Total</b>			<b>133</b>
20	19/5, 20/1	TAMTIYA	Chauki	3404700	239.5
21	20/1	TAMTIYA	Nal Chauki	3404800	73.6
22	20/1	TAMTIYA	Tamtiya	3404600	68.9
		<b>TAMTIYA Total</b>			<b>382</b>
23	14/3	THECHLA	Amlia Ka Khera	3400300	45.0
24	14/3,10,14	THECHLA	Dhechla	3400200	98.0
25	14/3,10	THECHLA	Gara	3400400	91.0
26	14/10, 15/14,15	THECHLA	Karvi	3400500	97.0
		<b>THECHLA Total</b>			<b>331</b>
		<b>Grand Total</b>			<b>6532</b>

## CLIMATIC AND HYDROLOGICAL INFORMATION

The watershed falls in Agroclimatic Zone-IV B(Sub humid Tropic) .The soil texture is Red soil & Clay Loam The average rainfall is 93.6cm . The temperatures in the area are in the range between 21.8 – 43.8 centigrade during summer and 11.8 to 26.0 centigrade during winter. The major crops in the area are Maize, Soyabean, Blackgram (urd), Green gram (moong),chick pea (channa), Wheat. 51.97 % land is under cultivation 5.69% pasture, 5.87 % land is wasteland. 15.28 % land is irrigated through.

1347 No of households are BPL and 5186 household are small and marginal farmers. Average land holding in the area is 0.63 ha. The main source of irrigation is open well & canal. The average annual rainfall (5 years) in the area is 936 mm. The Major streams in the Watershed are Gargal, The major festivals in the village are Holi ,Deewali ,Bhawari, Dashamata & Chotmata. At present these village is having 25690 population with Communities like Meena, yadav & Kalal.

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## Climatic and Hydrological information

### 1 Average Annual Rainfall(mm)

S. No.	Year	Average Annual Rainfall(mm)
1	2001	526.7
2	2002	484.3
3	2003	856.1
4	2004	1119.7
5	2005	884.8
6	2006	2159.7
7	2007	1411.1
8	2008	443.9
9	2009	704.2
10	2010	540.5
11	2011	1165.0

### 2 Average Monthly rainfall (last ten years)

S. No.	Month	Rainfall(mm)
i)	June	62.4
ii)	July	347.4
iii)	August	365.4
iv)	September	303.4

### 3 Maximum rainfall intensity (mm)

S. No.	Duration	rainfall intensity(mm)
1	i) 15 minute duration	42
2	ii) 30 minute duration	70
3	iii) 60 minute duration	123

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#### 4 Temperature (Degree C)

S. No.	Season	Max	Min
1	i) Summer Season	43.8	21.8
2	ii) Winter Season	26	10.8
3	iii) Rainy Season	31.2	14.9

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

S. No.	Season	PET
1	i) Summer	16
2	ii) Winter	2.2
3	iii) Rainy	4.4

#### 6 Runoff

1	i) Peak Rate (cum/hr)	803436
2	ii) Total run off volume of rainy season (ha.m.)	704.54
3	iii) Time of return of maximum flood	6
4	iv) Periodicity of Drought in village area	2002, 2008

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## 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	Atma	Ag. Department	To up date cultivators through latest technology.	All Familes	Total amount sanction by the gov.
2	NREGS	Panchyat Samiti	Construction of W.H.S,Gravel road, Individual beneficiaries work.	All Familes	Total amount sanction by the gov.
3	MP LAD	Panchyat Samiti	Construction of community hall, c.c road, H.P, Pipeline for water supply.	All Familes	Total amount sanction by the gov.
4	MLA LAD	Panchyat Samiti	Construction of community hall,c.c road, H.P, Pipe line for water supply.	All Familes	Total amount sanction by the gov.
5	TSC	Panchyat Samiti	Con. of low cost toilet.	All Familes	2200 Rs./Toilet subsidy given by the gov.
6	BRGF	Panchyat Samiti	Construction of community hall,c.c road, H.P, Pipe line for water supply	All Familes	Total amount sanction by the gov.
7	NLM	Panchyat Samiti	To streanthen S.H.G by providing loan from banks & subsidy from gov.	All Familes	Loan cum Subsidy by GOVT.

S.No	Scheme	Name of the department	Key interventions under the Scheme	Targeted Beneficiaries	Provisions under the Scheme
8	NHM	Horticulture Dept.	To up date horticulture cultivators through latest technology.	All Families	Subsidy by GOVT.
9	IAY	Panchyat Samiti	construction of houses	all non house BPL Familes	Subsidy by GOVT.
10	NRDWP	PHED Dept.	provide quality water	All Families	Total amount sanction by the gov.
11	RGGVY	Electricity Dept.	provide Electricity	All BPL Familes	Total amount sanction by the gov.
12	RGGVY	Electricity Dept.	provide Electricity	All BPL Familes	Total amount sanction by the gov.
13	Rural Development Schemes	NGO's(NMSF,GVT , BAIF, Vagdara & DKS)	Rural Development Schemes	All Families	Total amount sanction by the gov./ Subsidy/ donetion etc.



## DETAILS OF INFRASTRUCTURE IN THE PROJECT AREAS

Parameters		Status			
(i)	No. of villages connected to the main road by an all-weather road	26			
(ii)	No. of villages provided with electricity	23			
(iii)	No. of households without access to drinking water	NIL			
(iv)	No. of educational institutions :	(P)	(S)	(HS)	UPS
	Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	26	4	2	11
(v)	No. of villages with access to Primary Health Centre	9			
(vi)	No. of villages with access to Veterinary Dispensary	2			
(vii)	No. of villages with access to Post Office	3			
(viii)	No. of villages with access to Banks	1			
(ix)	No. of villages with access to Markets/ mandis	0			
(x)	No. of villages with access to Agro-industries	0			
(xi)	Total quantity of surplus milk (ltrs)	135			
(xii)	No. of milk collection centres	(U)	(S)	(PA)	(O)
	(e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	0	0	4	0
(xiii)	No. of villages with access to Anganwadi Centre	26			
(xiv)	Any other facilities with no. of villages (please specify)	0			
(xv)	Nearest KVK	60 KM			
(xvi)	cooperative society	1			
(xvii)	NGOs	5			

## INSTITUTIONAL ARRANGEMENTS

### DWDU DETAILS

S.No	Particulars	Details of DWDU
1	PM ,DWDU	Sh. BHUPENDRA VEER SINGH
2	Designation	Project Manager
3	Address	District Watershed Development Unit, Zila Parisad Pratap Garh Mob.Ph. 9414009715

### PIA PARTICULARS

S.No	Particulars	Details of PIA
1	Name of PIA	Sh. BHUPENDRA VEER SINGH
2	Designation	Assistant Engineer
3	Address with contact no., website	Panchayat Samiti PIPAL KHUNT Ph. 9414009715

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### WDT PARTICULARS

S.No	Name of WDT member	M/F	Age	Qualification	Experience in watershed(Yrs)	Description of professional training	Role/ Function
1	Sh. Hari Shankar Koli	M	28	M.Sc.	2	HORTICULTURE	Agriculture
2	MRS. Neeta Jain	F	40	M.A.	5	Social Science	Social Science
3	Sh. Banshilal	M	34	DIPLOMA	5	Vatenary	Vatenary

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## DETAILS OF WATERSHED COMMITTEES (WC)

S.N.	Name of WCs	Date of Gram Sabha for WC	Designation	Name	M/F	SC/ST/OB C/General	Landles s/MF/S F/ BF	Name of UG/SHG	Educational qualification
1	Watershed committee <b>Bori</b>	2/9/2012	President	Udai Lal S/o Jivana	Male	ST	SF	-	12 <sup>th</sup>
			Secretary	Chhagan Lal S/o Nathu	Male	ST	SF	-	Literate
			Member	Khatu S/o Kamji	Male	ST	SF	UG	Literate
				Bahadur S/o Bhanji	Male	ST	SF	UG	Literate
				Babli W/o Hinduda	Female	ST	SF	SHG	Literate
				Kirpa W/o Kantilal	Female	ST	SF	SHG	Literate
				Sohal S/o Rupa	Male	ST	SF	SHG	Literate
				Lamba S/o Mangala	Male	ST	SF	UG	Literate
				Dhuleshwar S/o Naku	Male	ST	SF	UG	12 <sup>th</sup>
				Santu W/o Ravaji	Female	ST	SF	SHG	Literate
				Kishan S/o Jivana	Male	ST	SF	UG	Literate

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S.N.	Name of WCs	Date of Gram Sabha for WC	Designation	Name	M/F	SC/ST/OB C/General	Landless/MF/SF/ BF	Name of UG/SHG	Educational qualification
2	Watershed committee Dunglawani	12/30/2011	President	Nakuram	Male	ST	SF	-	5 <sup>th</sup>
			Secretary	Surajmal S/o Dalu	Male	ST	SF	-	10 <sup>th</sup>
			Member	Gautam S/o Chhaniya	Male	ST	SF	UG	B.A., B.Ed.
				Savji S/o Devji	Male	ST	SF	UG	
				Devilal S/o Bhairiya	Male	ST	SF	UG	B.A.
				Mohan S/o Homala	Male	ST	SF	UG	Literate
				Bapulal S/o Bijiya	Male	ST	SF	-	Literate
				Mangali W/o Rama	Female	ST	SF	SHG	Literate
				Kamali W/o Mohan	Female	ST	SF	SHG	Literate
				Honaki W/o Phuliya	Female	ST	SF	-	Literate
				Ramlal S/o Badiya	Male	ST	SF	SHG	Literate

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S.N.	Name of WCs	Date of Gram Sabha for WC	Designation	Name	M/F	SC/ST/OB C/General	Landles s/MF/S F/ BF	Name of UG/SH G	Educational qualification
3	Watershed committee Jamali	12/28/2011	President	Gopal S/o Punja	Male	ST	SF	-	8 <sup>th</sup>
			Secretary	Ishwar S/o Mohan	Male	ST	SF	-	B.A.
			Member	Narayan Lal S/o Phuliya	Male	ST	SF	UG	Literate
				Jivanlal S/o Laxman	Male	Sc	SF	UG	10 <sup>th</sup>
				Bapulal S/o Mangilal	Male	ST	SF	UG	Literate
				Soniya S/o Naru	Male	ST	SF	UG	Literate
				Tulasiram S/o Nagji	Male	ST	SF	-	Literate
				Nanuram S/o Veerji	Male	ST	SF	UG	Literate
				Lila W/o Rupala	Female	ST	SF	-	Literate
				Nakudi W/o Gautam Lal	Female	ST	SF	SHG	Literate
				Nakudi W/o Kanji	Female	ST	SF	-	-

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4	Watershed committee <b>Kali Ghati</b>	1/9/2012	President	Ashok S/o Parmeshwar	Male	ST	SF	UG	
			Secretary	Ajmal S/o Arjun	Male	ST	SF	UG	
			Member	Laling S/o Kanji	Male	ST	SF	-	
				Shambhu Lal S/o Devji	Male	ST	SF	UG	
				Rakam Lal S/o Tejiya	Male	ST	SF	-	
				Fani Lal S/o Gautam	Male	ST	SF	UG	
				Natudi W/o Ramesh	Female	ST	SF	SHG	
				Meera W/o Dayal Singh	Female	ST	SF	SHG	
				Champa W/o Kishan	Female	ST	SF	SHG	
				Paru W/o Laleng	Female	ST	SF	SHG	
				Champa Lal S/o Udiya	Male	ST	SF	-	
				Kali W/o Rajmal	Female	ST	SF	-	10 <sup>th</sup>

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S.N.	Name of WCs	Date of Gram Sabha for WC	Designation	Name	M/F	SC/ST/OB C/General	Landles s/MF/S F/ BF	Name of UG/SH G	Educational qualification
5	Watershed committee <b>Kela Mela</b>	2/13/2012	President	Raychand S/o Lalu	Male	ST	SF	-	5 <sup>th</sup>
			Secretary	Sadu Lal S/o Bahadur	Male	ST	SF	-	B.A. B.Ed.
			Member	Paru W/o Mahan	Female	ST	SF	SHG	Literate
				Rakmi W/o Rupchand	Female	ST	SF	SHG	Literate
				Bapudi W/o Prakash	Female	ST	SF	SHG	Literate
				Naru S/o Harji	Male	ST	SF	SHG	Literate
				Mohan S/o Bhanji	Male	ST	SF	UG	Literate
				Shanti Lal S/o Ravaji	Male	ST	SF	UG	Literate
				Nana Lal S/o Savala	Male	ST	SF	UG	Literate
				Rupchand S/o Lalu	Male	ST	SF	UG	Literate
				Varsingh S/o Jiva	Male	ST	SF	UG	Literate



## DETAILS OF WATERSHED COMMITTEES (WC)

S.N.	Name of WCs	Date of Gram Sabha for WC	Designation	Name	M/F	SC/ST/OB C/General	Landles s/MF/S F/ BF	Name of UG/SH G	Educational qualification
7	Watershed committee <b>Nayan</b>	1/2/2012	President	Rupa Devi W/o Narayan Lal	Female	ST	SF	-	Literate
			Secretary	Narayan Lal S/o Luluji	Male	ST	SF	-	10 <sup>th</sup>
			Member	Meera W/o Kalu	Female	ST	SF	UG	Literate
				Nagu Ram S/o Nathu	Male	ST	SF	UG	Literate
				Prabulal S/o Nanka	Male	ST	SF	-	Literate
				Sohan Lal S/o Laxman	Male	ST	SF	UG	Literate
				Motilal S/o Rakiya	Male	ST	SF	UG	Literate
				Sugana W/o Bapulal	Female	ST	SF	SHG	Literate
				Surata W/o Sohan Lal	Female	ST	SF	SHG	Literate
				Kalu S/o Sohan	Male	ST	SF	-	Literate
				Sokharam S/o Agariya	Male	ST	SF	-	10 <sup>th</sup>

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S.N.	Name of WCs	Date of Gram Sabha for WC	Designation	Name	M/F	SC/ST/OB C/General	Landles s/MF/S F/ BF	Name of UG/SH G	Educational qualification
8	Watershed committee <b>PARTHIPURA</b>	1/4/2012	President	Balveer Singh	Male	ST	SF		8 <sup>th</sup>
			Secretary	Shambhu Lal	Male	ST	SF		10 <sup>th</sup>
			Member	Kalu	Male	ST	SF		Literate
				Shita	Female	ST	SF	Ma Tripura	Literate
				Ramlal	Male	ST	SF		Literate
				Dhirajmal	Male	ST	SF		Literate
				Savita	Female	ST	SF		Literate
				Savaji	Male	ST	SF		Literate
				Gautam	Male	ST	SF		Literate
				Raijchand	Male	ST	SF		Literate
				Itari	Female	ST	SF		Literate

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9	Watershed committee <b>ROHANIYA</b>	1/6/2012	President	Kaluram S/o Nakuda	Male	ST	SF	UG	10 <sup>th</sup>
			Secretary	Sohan Lal S/o Ratuda	Male	ST	SF	UG	M.A.
			Member	Kadvi W/o Deva	Female	ST	SF	SHG	Literate
				Kantilal S/o Jivana	Male	ST	SF	-	Literate
				Kanji S/o Dhuliya	Male	ST	SF	UG	Literate
				Kevji S/o Jivana	Male	ST	SF	UG	Literate
				Gautam Lal S/o Naniya	Male	ST	SF	-	Literate
				Dhulaya S/o Naru	Male	ST	SF	SHG	Literate
				Durga w/o Poonamchand	Female	ST	SF	SHG	Literate
				Jivani W/o Ratuda	Female	ST	SF	SHG	Literate
				Devudi w/o Moti	Female	ST	SF	SHG	Literate

## DETAILS OF WATERSHED COMMITTEES (WC)

S.N.	Name of WCs	Date of Gram Sabha for WC	Designation	Name	M/F	SC/ST/OB C/General	Landles s/MF/S F/ BF	Name of UG/SH G	Educational qualification
10	Watershed committee <b>TAMTIYA</b>	1/18/2012	President	Ram Lal S/o Kalu	Male	ST	SF	UG	9 <sup>th</sup>
			Secretary	Seva Lal S/o Rama	Male	ST	SF	UG	B.A., B.Ed.
			Member	Hakaru S/o Mangala	Male	ST	SF	UG	9 <sup>th</sup>
				Hurja S/o Nathu	Male	ST	SF	UG	Literate
				Ram Chandra S/o Panna Lal	Male	ST	SF	UG	12 <sup>th</sup>
				Prubhu Lal S/o Kalu Ram	Male	ST	SF	SHG	9 <sup>th</sup>
				Surajmal S/o Thavara	Male	ST	SF	SHG	9 <sup>th</sup>
				Rakami W/o Phulji	Female	ST	SF	SHG	-
				Reesa W/o Surajmal	Female	ST	SF	SHG	Literate
				Seeta W/oToliya	Female	ST	SF	SHG	Literate
				Lalji S/o Rangala	Male	ST	SF	-	Literate

## DETAILS OF WATERSHED COMMITTEES (WC)

S.N.	Name of WCs	Date of Gram Sabha for WC	Designation	Name	M/F	SC/ST/OB C/General	Landles s/MF/S F/ BF	Name of UG/SH G	Educational qualification
11	Watershed committee <b>THECHLA</b>	12/26/2011	President	Devi Prasad S/o Punjalal	Male	ST	SF	-	10 <sup>th</sup>
			Secretary	Pema S/o Uda	Male	ST	SF	UG	6 <sup>th</sup>
			Member	Samandhu W/o Kanti	Female	ST	SF	-	Literate
				Mangilal S/o Vagji	Male	ST	SF	SHG	Literate
				Kamaru S/o Laliya	Male	ST	SF	UG	Literate
				Ramesh S/o Suraj	Male	ST	SF	UG	Literate
				Manshankar S/o Hemata	Male	ST	SF	UG	Literate
				Bhanji S/o Verala	Male	ST	SF	UG	Literate
				Ramesh S/o Jalama	Male	ST	SF	-	Literate
				Laxmi Bai W/o Bharata	Female	ST	SF	-	Literate
				Dariya W/o Komji	Female	ST	SF	-	Literate

## **CHAPTER II**

### **SOCIO ECONOMIC FEATURES, PROBLEMS AND SCOPE**

The socio economic conditions of the area can be improved through increased production which can be achieved through expansion in cultivated area and productivity enhancement. 714.6 ha land is arable wasteland and 53.4 ha is fallow can be brought under cultivation.

998.2 ha is only irrigated and with efforts this can be increased to 1935.52 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)

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5197.8 Quantal fodder scarcity can be met out through Pasture development. Improved animal Husbandry practices can increase the productivity of livestock. 2116 no of persons migrate due to unemployment 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.

Due to heavy slope, 3331.32 Ha Area is tend to high soil erosion & Lack of water availability in surface & sub surface zone. Most of farmers are depend on rain for crop & taking single crop.

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## SOCIO ECONOMIC FEATURES, PROBLEMS AND SCOPE

### Population & Household Details:

Total Population					
Gram panchyat	Male	Female	Total	SC	ST
BORI	1809	1786	3595	151	3217
DUNGLAWANI	4145	4056	8201	100	8039
JAMLI	571	546	1117	13	1003
KALI GHATI	1516	1485	3001	24	2744
KELA MELA	493	469	962	92	870
KUPDA	521	508	1029	0	756
NAYAN	1692	1561	3253	194	3039
PARTHIPURA	848	830	1678	9	1425
ROHANIYA	267	263	530	11	519
TAMTIYA	708	674	1382	27	1316
THECHLA	445	497	942	0	742
<b>Total</b>	13015	12675	25690	621	23670

Household Details							
Gram panchyat	BPL household	L. Less	Small Farmer	M. Farmer	Total household	SC household	ST household
BORI	257	5	87	534	628	26	562
DUNGLAWANI	636	3	218	1559	1813	22	1777
JAMLI	43	2	18	151	178	2	160
KALI GHATI	42	1	123	690	821	7	751
KELA MELA	66	1	12	153	166	16	150
KUPDA	28	4	30	166	202	0	148



NAYAN	90	2	72	494	581	35	543
PARTHIPURA	53	1	44	266	314	2	267
ROHANIYA	16	0	11	81	94	2	92
TAMTIYA	78	2	26	217	258	5	246
THECHLA	38	1	32	202	238	0	187
<b>Total</b>	1347	22	673	4513	5293	117	4883

### Development indicators

S. No.	Development Indicators	State	Project Area
1	Per capita income (Rs.)	16260	12265
2	Poverty ratio	0.22	0.25
3	Literacy (%)	0.604	0.52
4	Sex Ratio	921	974

## LAND USE

### LAND USE OF Project Area

S. No.	Land Use	Total area in Ha.				
		Private	Panchayat	Government	Community	Total
1	Agriculture Land	3394.90	0.00	0.00	0.00	3394.90
2	Temporary fallow	27.40	0.00	0.00	0.00	27.40
3	Permanent Fallow	26.00	0.00	0.00	0.00	26.00
4	Cultivated Rainfed	2343.30	0.00	0.00	0.00	2343.30
5	Cultivated irrigated	998.20	0.00	0.00	0.00	998.20
6	Net Sown Area	3341.50	0.00	0.00	0.00	3341.50
7	Net Area sown more than once	998.20	0.00	0.00	0.00	998.20
8	Forest Land	0.00	0.00	0.00	0.00	0.00
9	Waste Land	714.60	0.00	1667.40	0.00	2382.00
10	Pastures	296.70	75.10	0.00	0.00	371.80
11	Others	37.10	0.00	346.20	0.00	383.30
12	Total	4443.30	75.10	2013.60	0.00	6532.00

### LAND USE OF G.P. BORI

S. No.	Land Use	Total area in Ha.				
		Private	Panchayat	Government	Community	Total
1	Agriculture Land	284.50	0.00	0.00	0.00	284.50
2	Temporary fallow	0.50	0.00	0.00	0.00	0.50
3	Permanent Fallow	0.00	0.00	0.00	0.00	0.00
4	Cultivated Rainfed	215.00	0.00	0.00	0.00	215.00
5	Cultivated irrigated	69.00	0.00	0.00	0.00	69.00
6	Net Sown Area	284.00	0.00	0.00	0.00	284.00
7	Net Area sown more than once	69.00	0.00	0.00	0.00	69.00
8	Forest Land	0.00	0.00	0.00	0.00	0.00
9	Waste Land	51.54	0.00	120.26	0.00	171.80
10	Pastures	23.90	5.00	0.00	0.00	28.90
11	Others	3.80	0.00	30.00	0.00	33.80
12	Total	363.74	5.00	150.26	0.00	519.00

LAND USE OF G.P. DUNGLAWANI

S. No.	Land Use	Total area in Ha.				
		Private	Panchayat	Government	Community	Total
1	Agriculture Land	1211.80	0.00	0.00	0.00	1211.80
2	Temporary fallow	6.40	0.00	0.00	0.00	6.40
3	Permanent Fallow	0.00	0.00	0.00	0.00	0.00
4	Cultivated Rainfed	810.90	0.00	0.00	0.00	810.90
5	Cultivated irrigated	394.50	0.00	0.00	0.00	394.50
6	Net Sown Area	1205.40	0.00	0.00	0.00	1205.40
7	Net Area sown more than once	394.50	0.00	0.00	0.00	394.50
8	Forest Land	0.00	0.00	0.00	0.00	0.00
9	Waste Land	288.03	0.00	672.07	0.00	960.10
10	Pastures	116.70	52.40	0.00	0.00	169.10
11	Others	12.10	0.00	131.90	0.00	144.00
12	Total	1628.63	52.40	803.97	0.00	2485.00

### LAND USE OF G.P. JAMLI

S. No.	Land Use	Total area in Ha.				
		Private	Panchayat	Government	Community	Total
1	Agriculture Land	173.90	0.00	0.00	0.00	173.90
2	Temporary fallow	0.00	0.00	0.00	0.00	0.00
3	Permanent Fallow	0.00	0.00	0.00	0.00	0.00
4	Cultivated Rainfed	113.30	0.00	0.00	0.00	113.30
5	Cultivated irrigated	60.60	0.00	0.00	0.00	60.60
6	Net Sown Area	173.90	0.00	0.00	0.00	173.90
7	Net Area sown more than once	60.60	0.00	0.00	0.00	60.60
8	Forest Land	0.00	0.00	0.00	0.00	0.00
9	Waste Land	26.61	0.00	62.09	0.00	88.70
10	Pastures	10.80	0.40	0.00	0.00	11.20
11	Others	1.10	0.00	1.10	0.00	2.20
12	Total	212.41	0.40	63.19	0.00	276.00

LAND USE OF G.P. KALI GHATI

S. No.	Land Use	Total area in Ha.				
		Private	Panchayat	Government	Community	Total
1	Agriculture Land	654.60	0.00	0.00	0.00	654.60
2	Temporary fallow	7.20	0.00	0.00	0.00	7.20
3	Permanent Fallow	0.00	0.00	0.00	0.00	0.00
4	Cultivated Rainfed	487.90	0.00	0.00	0.00	487.90
5	Cultivated irrigated	159.50	0.00	0.00	0.00	159.50
6	Net Sown Area	647.40	0.00	0.00	0.00	647.40
7	Net Area sown more than once	159.50	0.00	0.00	0.00	159.50
8	Forest Land	0.00	0.00	0.00	0.00	0.00
9	Waste Land	130.02	0.00	303.38	0.00	433.40
10	Pastures	54.50	2.00	0.00	0.00	56.50
11	Others	7.70	0.00	60.80	0.00	68.50
12	Total	846.82	2.00	364.18	0.00	1213.00

### LAND USE OF G.P. KALA MELA

S. No.	Land Use	Total area in Ha.				
		Private	Panchayat	Government	Community	Total
1	Agriculture Land	45.30	0.00	0.00	0.00	45.30
2	Temporary fallow	0.10	0.00	0.00	0.00	0.10
3	Permanent Fallow	0.00	0.00	0.00	0.00	0.00
4	Cultivated Rainfed	42.40	0.00	0.00	0.00	42.40
5	Cultivated irrigated	2.80	0.00	0.00	0.00	2.80
6	Net Sown Area	45.20	0.00	0.00	0.00	45.20
7	Net Area sown more than once	2.80	0.00	0.00	0.00	2.80
8	Forest Land	0.00	0.00	0.00	0.00	0.00
9	Waste Land	10.26	0.00	23.94	0.00	34.20
10	Pastures	4.10	3.10	0.00	0.00	7.20
11	Others	1.10	0.00	0.20	0.00	1.30
12	Total	60.76	3.10	24.14	0.00	88.00

### LAND USE OF G.P. KUPADA

S. No.	Land Use	Total area in Ha.				
		Private	Panchayat	Government	Community	Total
1	Agriculture Land	116.50	0.00	0.00	0.00	116.50
2	Temporary fallow	3.00	0.00	0.00	0.00	3.00
3	Permanent Fallow	0.00	0.00	0.00	0.00	0.00
4	Cultivated Rainfed	101.20	0.00	0.00	0.00	101.20
5	Cultivated irrigated	12.30	0.00	0.00	0.00	12.30
6	Net Sown Area	113.50	0.00	0.00	0.00	113.50
7	Net Area sown more than once	12.30	0.00	0.00	0.00	12.30
8	Forest Land	0.00	0.00	0.00	0.00	0.00
9	Waste Land	36.36	0.00	84.84	0.00	121.20
10	Pastures	15.70	1.70	0.00	0.00	17.40
11	Others	1.60	0.00	9.30	0.00	10.90
12	Total	170.16	1.70	94.14	0.00	266.00



### LAND USE OF G.P. NAYAN

S. No.	Land Use	Total area in Ha.				
		Private	Panchayat	Government	Community	Total
1	Agriculture Land	259.20	0.00	0.00	0.00	259.20
2	Temporary fallow	6.70	0.00	0.00	0.00	6.70
3	Permanent Fallow	0.00	0.00	0.00	0.00	0.00
4	Cultivated Rainfed	172.50	0.00	0.00	0.00	172.50
5	Cultivated irrigated	80.00	0.00	0.00	0.00	80.00
6	Net Sown Area	252.50	0.00	0.00	0.00	252.50
7	Net Area sown more than once	80.00	0.00	0.00	0.00	80.00
8	Forest Land	0.00	0.00	0.00	0.00	0.00
9	Waste Land	72.69	0.00	169.61	0.00	242.30
10	Pastures	17.50	0.20	0.00	0.00	17.70
11	Others	2.50	0.00	62.30	0.00	64.80
12	Total	351.89	0.20	231.91	0.00	584.00

### LAND USE OF G.P. PARTHIPURA

S. No.	Land Use	Total area in Ha.				
		Private	Panchayat	Government	Community	Total
1	Agriculture Land	127.30	0.00	0.00	0.00	127.30
2	Temporary fallow	0.30	0.00	0.00	0.00	0.30
3	Permanent Fallow	0.00	0.00	0.00	0.00	0.00
4	Cultivated Rainfed	88.00	0.00	0.00	0.00	88.00
5	Cultivated irrigated	39.00	0.00	0.00	0.00	39.00
6	Net Sown Area	127.00	0.00	0.00	0.00	127.00
7	Net Area sown more than once	39.00	0.00	0.00	0.00	39.00
8	Forest Land	0.00	0.00	0.00	0.00	0.00
9	Waste Land	29.16	0.00	68.04	0.00	97.20
10	Pastures	11.20	1.40	0.00	0.00	12.60
11	Others	1.00	0.00	16.90	0.00	17.90
12	Total	168.66	1.40	84.94	0.00	255.00

LAND USE OF G.P. ROHANIYA

S. No.	Land Use	Total area in Ha.				
		Private	Panchayat	Government	Community	Total
1	Agriculture Land	86.30	0.00	0.00	0.00	86.30
2	Temporary fallow	0.00	0.00	0.00	0.00	0.00
3	Permanent Fallow	26.00	0.00	0.00	0.00	26.00
4	Cultivated Rainfed	34.90	0.00	0.00	0.00	34.90
5	Cultivated irrigated	25.40	0.00	0.00	0.00	25.40
6	Net Sown Area	60.30	0.00	0.00	0.00	60.30
7	Net Area sown more than once	25.40	0.00	0.00	0.00	25.40
8	Forest Land	0.00	0.00	0.00	0.00	0.00
9	Waste Land	8.10	0.00	18.90	0.00	27.00
10	Pastures	6.70	0.00	0.00	0.00	6.70
11	Others	0.50	0.00	12.50	0.00	13.00
12	Total	101.60	0.00	31.40	0.00	133.00

### LAND USE OF G.P. TAMATIYA

S. No.	Land Use	Total area in Ha.				
		Private	Panchayat	Government	Community	Total
1	Agriculture Land	242.00	0.00	0.00	0.00	242.00
2	Temporary fallow	2.00	0.00	0.00	0.00	2.00
3	Permanent Fallow	0.00	0.00	0.00	0.00	0.00
4	Cultivated Rainfed	209.80	0.00	0.00	0.00	209.80
5	Cultivated irrigated	30.20	0.00	0.00	0.00	30.20
6	Net Sown Area	240.00	0.00	0.00	0.00	240.00
7	Net Area sown more than once	30.20	0.00	0.00	0.00	30.20
8	Forest Land	0.00	0.00	0.00	0.00	0.00
9	Waste Land	30.72	0.00	71.68	0.00	102.40
10	Pastures	25.60	4.30	0.00	0.00	29.90
11	Others	3.50	0.00	4.20	0.00	7.70
12	Total	301.82	4.30	75.88	0.00	382.00

### LAND USE OF G.P. THECHLA

S. No.	Land Use	Total area in Ha.				
		Private	Panchayat	Government	Community	Total
1	Agriculture Land	193.50	0.00	0.00	0.00	193.50
2	Temporary fallow	1.20	0.00	0.00	0.00	1.20
3	Permanent Fallow	0.00	0.00	0.00	0.00	0.00
4	Cultivated Rainfed	67.40	0.00	0.00	0.00	67.40
5	Cultivated irrigated	124.90	0.00	0.00	0.00	124.90
6	Net Sown Area	192.30	0.00	0.00	0.00	192.30
7	Net Area sown more than once	124.90	0.00	0.00	0.00	124.90
8	Forest Land	0.00	0.00	0.00	0.00	0.00
9	Waste Land	31.11	0.00	72.59	0.00	103.70
10	Pastures	10.00	4.60	0.00	0.00	14.60
11	Others	2.20	0.00	17.00	0.00	19.20
12	Total	236.81	4.60	89.59	0.00	331.00

## AGRICULTURE AND HORTICULTURE STATUS AND FUEL AVAILABILITY

### Cropping Status

S. No.	Season	Crop sown	Rainfed				Irrigated			Total	
			Variety	Area(Ha)	Production (Ton)	Productivity (qt/Ha)	Area(Ha)	Production (Ton)	Productivity (qt/Ha)	Area(Ha)	Production (Ton)
1	2	3	4	5	6	7	8	9	10	11	12
1	1 Kharif	Maize	GANGA 2	2038.7	1402.61	6.88	788.58	646.63	8.20	2827.2	2049
3		Urd	PU 19	164.03	37.73	2.30	19.96	0.50	0.25	184	38.23
5		MOONG	K 851	93.73	155.13	16.55	49.91	24.96	5.00	143.64	180.08
6		Soyabeen	raj 851	46.87	22.36	4.77	139.75	35.08	2.51	186.61	57.43
		<b>Cotton</b>									
7	2 Rabi	Wheat	Lok 1				793.57	991.96	12.5	793.57	991.96
8		Maize	kaveri 50				179.68	147.33	8.20	179.68	147.33
9		Gram	DAHOD YELLOW				24.96	13.30	5.33	24.955	13.30
11	3 Zaid	moong					4.49	2.25	5	4.4919	2.25
12	Total			2343.3	1617.81		998.2	1862.01		4344.192	3479.82

### Abstract of cropped Area(ha)

Area under Single crop	2343.3
Area under Double crop	998.2
Area under Multiple crop	4.49

The project area has 714.6 ha of cultivable wasteland . 53.4 ha of fallow land (total 768 ha) can be brought under cultivation if some irrigation source can be provided through Construction of WHS like Khadin, Tanka, 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 15.28 % 1667.4 ha. is under wastelands and can be brought under vegetative cover, with reasonable effort .Activities like Earthen check dams, Vegetative filter strip, V-ditches, staggered trenches ,WHS, Afforestation of wastelands and Pasture development will be taken up on these landsPasture development the land use table shows that there is 75.1 hectare pasture land. This emphasizes the need for taking up pastureland development works through sowing of promising species of grasses and plantation

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### Present used and Rec. Variety

S.No	Name of crop	Present variety	Rec. variety	Reason of Rec. variety.
1	Maize	GANGA	Mahi	Maturity period 75-80 Days(early maturity),Production 35-40 q/Ha,Less water required but tolerant to excess water,market value is good due to high starch & appearance,tolerant to lodging. This variety is most suitable for this W/S Area.
		2	Dhaval	
2	Urd	PU 19	RBU-338	Maturity period 90 Days(early maturity),Production 10-12 q/Ha,Less water required,market value is good due to high starch & appearance,tolerant to lodging,resistance to bacterial diseases . This variety is most suitable for this W/S Area.
3	Til	RT 46	TC -25	White seed variety,Maturity period 95 Days(early maturity),Production 6-7 q/Ha,Less water required,market value is good & appearance,tolerant to lodging,resistance to bacterial diseases This variety is most suitable for this W/S Area.
4	MOONG	K 851	SML 668	Maturity period 85 days plants are erect determinate and medium statured 85 cm possesses bolder green grains with good yellow mosaic various cercospora leaf spot and bacterial leaf spot diseases its yield potential 15 -18 quintal/hac..This variety is most suitable for this W/S Area.



S.No	Name of crop	Present variety	Rec. variety	Reason of Rec. variety.
5	Wheat	Lok 1	RAJ 3765	Maturity period 110-120 days and plant height is 89-95 cm, Heat tolerant and susceptible to dust, moderately resistant to Karnal bunt, yield potential is 40-50 q/Ha. This variety is most suitable for this W/S Area & good market value.
6	Gram	DAHOD YELLOW	GNG 469	Maturity period 90-95 days, Suitable for rainfed area, resistance to wild disease, yield potential is 20-24 q/Ha.
7	Soyabean	local	raj 851	This variety is most suitable for this W/S Area.

### Crop Rotation

Maize	-	Gram
Urd	-	Wheat
Moong	-	Wheat
Soyabean	-	Wheat
Fallow	-	Gram
Fallow	-	maize

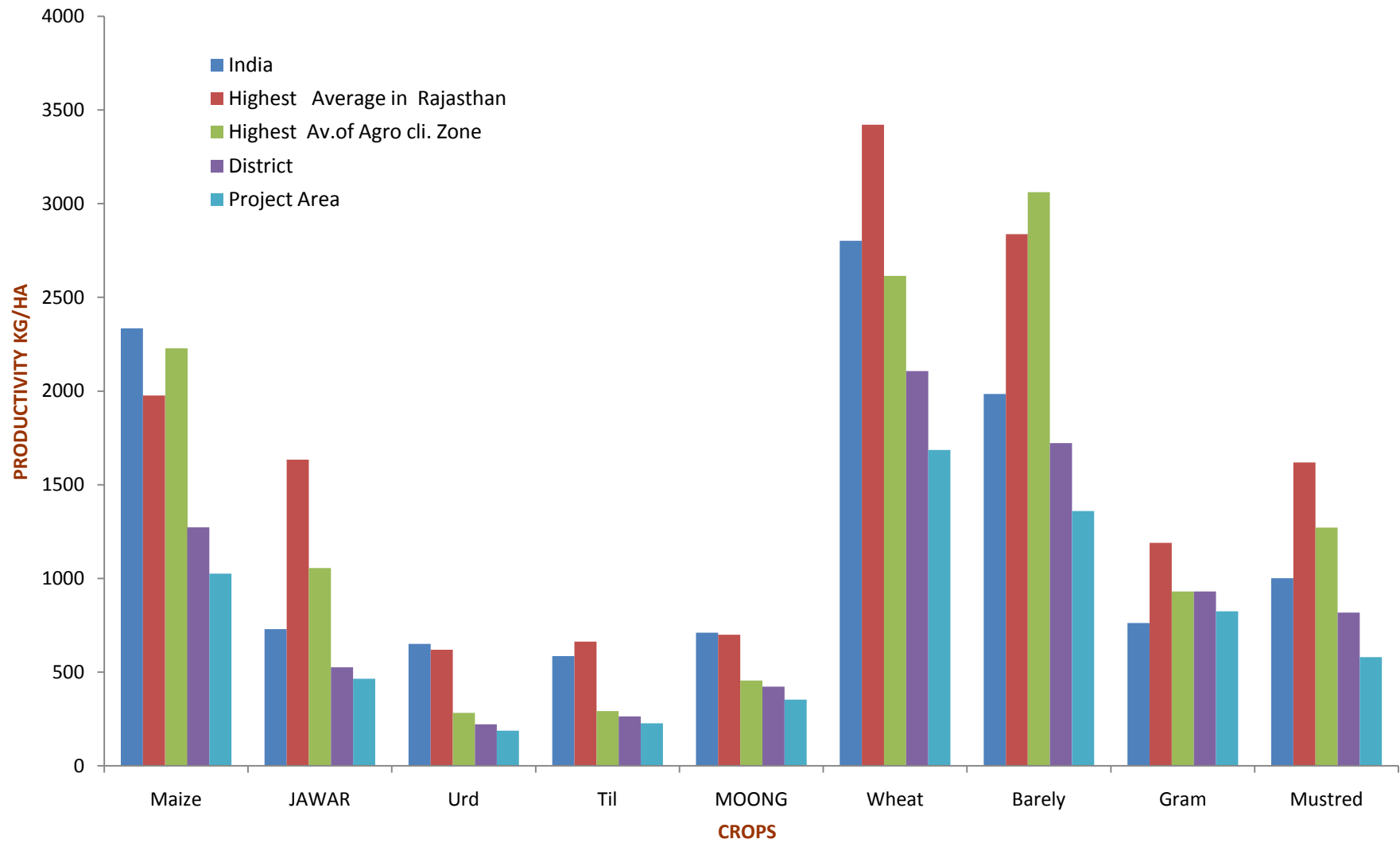
The table shows that only 105.6 ha is double cropped area. Also the crop rotation shows that fallow lands are there. This indicates that there is scope for change in crop rotation in fields where there are fallow lands through Soil and Water conservation measures, crop demonstration and diversification 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.

## Productivity Gap Analysis

Name of the crop	Productivity kg/ha				
	India	Highest Average in Rajasthan	Highest Av.of Agro cli. Zone	District	Project Area
Maize	2335	1976	2228	1273	1026
JAWAR	730	1634	1056	526	464
Urd	650	620	282	222	188
Til	585	663	292	263	227
MOONG	710	699	455	422	353
Wheat	2802	3422	2614	2107	1686
Barely	1985	2838	3061	1722	1360
Gram	762	1190	931	931	825
Mustred	1001	1619	1271	818	580

## PRODUCTIVITY GAP ANALYSIS



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

- The farmers are using varieties Ganga 2 of Maize . whereas the recommended varieties like Mahi dhaval 35-40 q/Ha yield .
  - The farmers are using varieties PU19 of Urd .whereas the recommended varieties like RBU338 provide 10-12 q/Ha yield
  - The farmers are using varieties K851 of Moong .whereas the recommended varieties like SML 668 provide 15-18 Q/Ha.yield .
  - The farmers are using varieties LOK 1 of WHEAT . whereas the recommended varieties like RAJ 3765 provide 35-40q/Ha yield .
  - The farmers are using varieties DAHOD YELLOW of GRAM . whereas the recommended varieties like GNG 469 provide 25-30 q/Ha. yield .
  - 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 15.28 %.
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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.

**Existing area under horticulture/Vegetables/Floriculture (ha)**

Activity	Area	Species	Varieties	Recommended varieties	Production (Kg/ha)
Horticulture	2.1	mango	dashari, lagra	dashari, lagra	20000-40000
Vegetables					
Kharif	9.2	Tomato	Pusha rubi	Pussa Sankar 1	1500-1800
		Ladyfinger	Pusha sawani	Sankar ganga	1200-1600
		Bottle gourd	Desi	Sankar shramgivi	1400-1500
		Gawar	M43	Pussa navkhar	1500-1700
Rabi	6.3	Bringal	Desi	Pussa sankar	1200-1300
		Tomato	Pusha rubi	Pussa Sankar 1	1300-1500
		Cabbage	Desi	Sankar green express	1400-1600

## LAND HOLDING PATTERN IN PROJECT AREA

Type of Farmer	Total Households	Land holding (ha) irrigation source wise			Land holding (ha) Social group wise				
		Irrigated (source)	Rainfed	Total	General	SC	ST	OBC	BPL
(i) Large farmer	85.0	59.9	229.5	289.4	134.9	0.0	114.0	41	0.0
(ii) Small farmer	673.0	231.9	660.1	892.0	125.0	6.7	615.9	144.4	0.0
(iii) Marginal farmer	4513.0	706.4	1453.7	2160.1	325.9	36.7	1593.5	169.1	0.0
(iv) Landless person	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(V) No. of BPL households	1347.0	244.6	577.4	822.0	0.0	0.0	0.0	0.0	822.0
TOTAL	5293.0	998.2	2343.3	3341.5	585.9	43.4	2323.4	354.0	822.0

## LAND HOLDING PATTERN IN G. P. BORI

Type of Farmer	Total Households	Land holding (ha) irrigation source wise			Land holding (ha) Social group wise				
		Irrigated (source)	Rainfed	Total	General	SC	ST	OBC	BPL
(i) Large farmer	2	3.5	5.2	8.7	0.9	0.0	7.8	0.0	0.0
(ii) Small farmer	87	10.4	97.5	107.9	10.8	0.0	97.1	0.0	0.0
(iii) Marginal farmer	534	55.2	112.3	167.5	6.7	6.9	149.9	5.0	0.0
(iv) Landless person	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(V) No. of BPL households	257	28.2	88.0	116.2	0.0	0.0	0.0	0.0	116.2
<b>TOTAL</b>	<b>628</b>	<b>69.0</b>	<b>215.00</b>	<b>284.0</b>	<b>18.4</b>	<b>6.9</b>	<b>254.7</b>	<b>5.0</b>	<b>116.2</b>

## LAND HOLDING PATTERN IN G. P. DUNGLAWANI

Type of Farmer	Total Households	Land holding (ha) irrigation source wise			Land holding (ha) Social group wise				
		Irrigated (source)	Rainfed	Total	General	SC	ST	OBC	BPL
(i) Large farmer	33	3.9	95.5	99.4	29.8	0.0	57.7	11.9	0.0
(ii) Small farmer	218	75.0	173.6	248.5	74.6	1.2	142.9	29.8	0.0
(iii) Marginal farmer	1559	315.6	541.9	857.5	257.2	0.3	497.0	102.9	0.0
(iv) Landless person	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(V) No. of BPL households	636	138.4	284.5	422.9	0.0	0.0	0.0	0.0	422.9
TOTAL	1813	394.5	810.90	1205.4	361.6	1.5	697.6	144.6	422.9



## LAND HOLDING PATTERN IN G. P. JAMLI

Type of Farmer	Total Households	Land holding (ha) irrigation source wise			Land holding (ha) Social group wise				
		Irrigated (source)	Rainfed	Total	General	SC	ST	OBC	BPL
(i) Large farmer	7	13.3	19.2	32.5	32.5	0.0	0.0	0.0	0.0
(ii) Small farmer	18	13.9	19.2	33.1	0.0	0.0	0.0	33.1	0.0
(iii) Marginal farmer	151	33.3	74.9	108.3	0.0	5.3	90.0	13.0	0.0
(iv) Landless person	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(V) No. of BPL households	43	14.6	27.4	42.0	0.0	0.0	0.0	0.0	42.0
TOTAL	178	60.6	113.30	173.9	32.5	5.3	90.0	46.1	42.0

## LAND HOLDING PATTERN IN G. P. KALI GHATI

Type of Farmer	Total Households	Land holding (ha) irrigation source wise			Land holding (ha) Social group wise				
		Irrigated (source)	Rainfed	Total	General	SC	ST	OBC	BPL
(i) Large farmer	7	8.0	24.9	32.9	3.7	0.0	29.2	0.0	0.0
(ii) Small farmer	123	39.9	132.3	172.2	0.0	2.2	163.3	6.7	0.0
(iii) Marginal farmer	690	111.7	330.6	442.3	0.0	8.3	434.0	0.0	0.0
(iv) Landless person	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(V) No. of BPL households	42	8.2	25.0	33.1	0.0	0.0	0.0	0.0	33.1
<b>TOTAL</b>	<b>821</b>	<b>159.5</b>	<b>487.90</b>	<b>647.4</b>	<b>3.7</b>	<b>10.5</b>	<b>626.5</b>	<b>6.7</b>	<b>33.1</b>

## LAND HOLDING PATTERN IN G. P. KELA MELA

Type of Farmer	Total Households	Land holding (ha) irrigation source wise			Land holding (ha) Social group wise				
		Irrigated (source)	Rainfed	Total	General	SC	ST	OBC	BPL
(i) Large farmer	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(ii) Small farmer	12	1.4	12.1	13.5	4.7	0.0	7.4	1.3	0.0
(iii) Marginal farmer	153	1.4	30.3	31.7	11.1	0.3	20.0	0.3	0.0
(iv) Landless person	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(V) No. of BPL households	66	1.1	16.9	18.0	0.0	0.0	0.0	0.0	18.0
TOTAL	166	2.8	42.4	45.2	15.8	0.3	27.4	1.7	18.0

## LAND HOLDING PATTERN IN G. P. KUPDA

Type of Farmer	Total Households	Land holding (ha) irrigation source wise			Land holding (ha) Social group wise				
		Irrigated (source)	Rainfed	Total	General	SC	ST	OBC	BPL
(i) Large farmer	2	0.4	7.2	7.6	3.8	0.0	0.0	3.8	0.0
(ii) Small farmer	30	2.1	40.4	42.5	14.9	0.0	23.4	4.3	0.0
(iii) Marginal farmer	166	9.8	53.6	63.4	22.2	0.6	40.0	0.6	0.0
(iv) Landless person	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(V) No. of BPL households	28	1.7	14.0	15.7	0.0	0.0	0.0	0.0	15.7
<b>TOTAL</b>	<b>202</b>	<b>12.3</b>	<b>101.2</b>	<b>113.5</b>	<b>40.9</b>	<b>0.6</b>	<b>63.3</b>	<b>8.7</b>	<b>15.7</b>

## LAND HOLDING PATTERN IN G. P. NAYAN

Type of Farmer	Total Households	Land holding (ha) irrigation source wise			Land holding (ha) Social group wise				
		Irrigated (source)	Rainfed	Total	General	SC	ST	OBC	BPL
(i) Large farmer	13	10.4	37.8	48.2	24.1	0.0	0.0	24	0.0
(ii) Small farmer	72	21.6	80.5	102.1	10.2	0.0	81.6	10.2	0.0
(iii) Marginal farmer	494	48.0	54.3	102.3	10.2	1.0	90.0	1.0	0.0
(iv) Landless person	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(V) No. of BPL households	90	12.4	26.7	39.1	0.0	0.0	0.0	0.0	39.1
<b>TOTAL</b>	<b>581</b>	<b>80.0</b>	<b>172.5</b>	<b>252.5</b>	<b>44.5</b>	<b>1.0</b>	<b>171.6</b>	<b>35.3</b>	<b>39.1</b>

46.73% land holdings belong to small and marginal farmers who own 91.34 % 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 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.

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**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 in Kg.(7Kg per animal.)	Total requirement in T.
1	Cows					
	Indigenous	2060	1.5-2.0	2060	5263300	5263.3
	Hybrid	67	4	67	171185	171.2
2	Buffaloes	1448	2.5-3.0	1448	3699640	3699.6
3	Goat	3055	0.4	1527.5	3902762.5	3902.8
4	Sheep	13	0	6.5	16607.5	16.6
5	Camel	33	0	33	84315	84.3
6	Poultry	2711	0.5	542.2	692660.5	692.7
7	Piggery		0	0	0	0.0
	Total	9387			13830470.5	13830.5

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.





### EXISTING AREA UNDER FODDER (ha)

S.No	Item	Unit	Area/ Quantity
1	Existing Cultivable area under Fodder	Ha	3394.9
2	Production of Green fodder	Tonns/year	9335.975
3	Production of Dry fodder	Tonns/ Year	3734.39
4	Area under Pastures	Ha	75.1
5	Production of fodder	Tonns/year	240.32
6	Existing area under Fuel wood	Ha	165
7	Supplementary feed	Kgs/ day	1
8	Silage Pits	No	-
9	Availability of fodder	Tonns	13310.69
10	Deficiency of fodder	Tonns	519.78

The table above shows there is fodder deficiency 519.78 (Requirement is 13830.47 T and availability 13310.69 T)

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

### AGRICULTURE IMPLEMENTS

1	2	3
S. No	Implements	Nos.
1	Tractor	53
2	Sprayers-manual/ power	58
3	Cultivators/Harrows	53
4	Seed drill	53
5	Any Other	0

**Farm mechanization and seed banks:** total cultivated area sowing of big farm implements by individual farmers is not economical so SHG would be promoted to buy farm implements and rent to farmer.

### NREGA Status - No. of Card Holder, activities taken so far, employment status.

Sr. no.	Name of Gram Panchyat	Total No .of job cards	Employment Status	Activity taken up
1	BORI	628	615	Gravel road, land leveling
2	DUNGLAWANI	1813	1777	Gravel road, land leveling
3	JAMLI	178	174	Gravel road, land leveling
4	KALI GHATI	821	805	Gravel road, land leveling
5	KELA MELA	166	163	Gravel road, land leveling
6	KUPDA	202	198	Gravel road, land leveling
7	NAYAN	581	569	Gravel road, land leveling

Sr. no.	Name of Gram Panchyat	Total No .of job cards	Employment Status	Activity taken up
8	PARTHIPURA	314	308	Gravel road, land leveling
9	ROHANIYA	94	92	Gravel road, land leveling
10	TAMTIYA	258	253	Gravel road, land leveling
11	THECHLA	238	233	Gravel road, land leveling

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## Migration Details

Name of Gram Panchyat	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)
BORI	251	90-100	Brought & Lack of employment	65	Labour work	50.20
DUNGLAWANI	725	90-100	-- do --	65	Labour work	145.00
JAMLI	71	90-100	-- do --	65	Labour work	14.20
KALI GHATI	328	90-100	-- do --	65	Labour work	65.60
KELA MELA	66	90-100	-- do --	65	Labour work	13.20
KUPDA	81	90-100	-- do --	65	Labour work	16.20
NAYAN	232	90-100	-- do --	65	Labour work	46.40
PARTHIPURA	126	90-100	-- do --	65	Labour work	25.20
ROHANIYA	38	90-100	-- do --	65	Labour work	7.60
TAMTIYA	103	90-100	-- do --	65	Labour work	20.60

Name of Gram Panchyat	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)
THECHLA	95	90-100	-- do --	65	Labour work	19.00
	2116					423.20

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 in project area

Major activities (On Farm)		
Name of activity	No of House holds	Average annual income
cultivators	5038	7000
Dairying	17	8000
Poultry	216	5000
Piggery	0	0
Landless Agri. Labourers	22	4500
Major activities (Off Farm)		
Name of activity	Households/individuals	Average annual income
Artisans	-	
Carpenter	50	15000
Blacksmith	0	0
Leather Craft	0	0
Porter	-	0
Mason	76	40000
Others specify (Cycle Repair ,STD,Craft etc)	9	10000

The efforts for increase in income through off farm activities will be made under livelihood component through assistance to SHG or individuals

## Status of Existing SHG

S.No.	Name of SHG	Village / G.P. Name	Members	Activity involved	Monthly income	Fund available	Training received
1	Saraswati	Varda	12	Dairy	600	9000	y
2	Laxmi	Varda	10	Dairy	500	7500	y
3	Laxmi	Kali Ghati	10	Agriculture	1000	15000	y
4	Santoshi Mata	Kali Ghati	10	Agriculture	1000	15000	y
5	Sitla Mata	Kali Ghati	12	Agriculture	1200	18000	y
6	Mahatma Gandhi	Maliya	10	Agriculture	500	7500	y
7	Amba Mata	Richhadi	12	Agriculture	600	9000	y
8	Saraswati	Bori	10	Dairy	500	7500	y
9	Sitla Mata	Bori	10	Dairy	500	7500	y
10	Ori mata	Bori	11	Dairy	550	8250	y
11	Sita mata	Bori	12	Dairy	600	9000	y
12	Mahi mata	Bori	12	Dairy	600	9000	y
13	Saraswati	Tamtiya	10	Dairy	2000	30000	y
14	Ridhi	Dunglavani	11	Agriculture	550	8250	y

S.No.	Name of SHG	Village / G.P. Name	Members	Activity involved	Monthly income	Fund available	Training received
15	Narshingh Mata	Dunglavani	12	Agriculture	600	9000	y
16	Bholenath	Dunglavani	10	Agriculture	500	7500	y
17	Kalika mata	Dunglavani	10	Agriculture	1000	15000	y
18	Bhemdi mata	Dunglavani	10	Agriculture	1000	15000	y
19	Mahadev	Dunglavani	10	Agriculture	1000	15000	y
20	Mahadev	Dunglavani	10	Agriculture	1000	15000	y
21	Urmila	Nayan	10	Agriculture	1000	15000	y
22	Tripura ma	Parthipura	10	Agriculture	1000	15000	y
23	Ambe ma	Pipalda	10	Agriculture	1000	15000	y

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## Technical Features

### Ground Water

S.No	Source	No.	Functional depth feet	Dry	Area irrigated	Water availability (days)
i)	Dug wells	231	40	13	726.38	270
ii)	tube wells	16	150	2	7.20	275
iii)	CANAL/ rivier catchment	1		0	264.62	120
	Total				998.20	

### Availability of drinking water

S.No	Name of the Gram Panchyat	Drinking water requirement Ltrs/day	Present availability of drinking water Ltrs/day	No. of drinking water sources available	No. functional	No. requires repairs	No. defunct
1	BORI	143800	71900	65	56	3	6
2	DUNGLAWANI	328040	164020	149	139	2	8
3	JAMLI	44680	22340	20	17	1	2
4	KALI GHATI	120040	60020	55	47	4	4
5	KELA MELA	38480	19240	17	16	0	1
5	KUPDA	41160	20580	19	17	1	1
5	NAYAN	130120	65060	59	54	2	3
5	PARTHIPURA	67120	33560	31	29	1	1
5	ROHANIYA	21200	10600	10	10	0	0
6	TAMTIYA	55280	27640	25	22	1	2
7	THECHLA	37680	18840	14	13	0	1

## Water Use efficiency

Name of major crop	Area (Hectare)			
	through water saving devices (Drip/Sprinklers)	through water conserving agronomic practices <sup>#</sup>	Any other (pl. specify)	Total
Rabi	0.0	733.6	264.6	998.2

- The tables above indicate need for judicious use of available Water.

Encouraging optimum use of water through installation of sprinklers on every operational wells

## Slope details.

Slope of Watershed		
S.No.	Slope percentage	Area in hectares
1	0 to 3%	2154.00
2	3 to 10%	3053.00
3	10 %<	1325.00
		6532.00

6532.00

As most of the area has slope less than 15% construction of contour bunds can solve the problem of water erosion in agriculture fields and protect washing of top soil and manures/fertilisers

## WATER BUDGETING

### PROJECT PARTAPGARH (IWMP-II) 6/11-12

**Macro/micro no.** 13/1,2 14/1,2,3,10, 15/1to7,10to19, 16/4,5, 17/1to4, 18/7,8,10, 19/4,5, 20/1 22/7, 23/ 6,38

(A) Area (Calculated from revenue recoed)

1. Good Catchment where runoff is maximum & infiltration is minimum like hillocks, plateanu etc
2. Average catchment-cultivated land, forest land with vegetation.
3. Bad catchment where runoff is minimum & infiltration is maximum e.g. Sandy soil

(B) AVERAGE ANNUAL RAINFAL DATA (AVAILABLE AT TEHSIL))

Propotion of Estimated Runoff of rainfall : To be worked out from strange's Table for tehsil Pipal khunt Disst. Pratapgarh for 936 mm total mansoon rainfall.

(a) Percentage of runoff to rainfall from strange's table.

In Good Catchment -	19.50%	1825
In average catchment -	14.60%	1367
In Bad Catchment-	9.70%	908

Type of W/S	Area of W/S	Factor Cum/ha	Expected Yeild Cum
Good	1325.00	1825	2418125
Average	3053.00	1367	4173451
Bad	2154.00	908	1955832
<b>Total</b>	<b>6532</b>		<b>8547408</b>

#### PRESENT STORAGE BY EXISTING RUN OFF MANAGEMENT STRUCTURE (CUM)

S.No.	Name of Structure	No./Area	Storage Capacity (Cum)
1	Talab	2	127600
2	Anicut/WHS	75	15000
	<b>Total</b>	<b>77</b>	<b>142600</b>

**PROPOSED STORAGE BY OFF MANAGEMENT STRUCTURE (CUM)**

S.No.	Name of Structure	No./Area	Storage Capacity (Cum)
1	whs	7	24500
	Total		24500

Total Runoff Trapped = 167100 Cum  
% Runoff Trapped = 1.95



## Soil details

Net area

Soil Profile		
S.No.	Major Soil Classes	Area in hectares
1	Red Soil	5094.96
2	Black Cotton	1437.04
Soil Depth :		
B	Depth (Cms.)	Area in hectares
1	0.00 to 7.50	4483.6
2	7.50 to 45.00	611.4
3	> 45.00	1437.0

	Soil fertility Status	Kg/ha	Recommended
1	N	23	6
2	P	20	30
3	K	490	
4	Micronutrients	PPM	
A	Zinc	0.4 PPM	0.8 PPM
B	Fe	0.4 PPM	0.5 PPM
C	Cu	0.2 PPM	0.25 PPM
D	Mg	0.2 PPM	0.22 PPM

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

## Erosion details

<b>Erosion status in project Area</b>				
Cause	Type of erosion	Area affected (ha)	Run off(mm/ year)	Average soil loss (Tonnes/ ha/ year)
Water erosion				
a	Sheet	2874.08		04-10
b	Rill	326.60		10-15
c	Gully	3331.32		15-25
Sub-Total		6532		
Wind erosion		0		NIL
<b>Total for project</b>		6532.00		

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
- To check erosive velocity of runoff, store Runoff, to arrest silt carried by runoff and to recharge Ground Water structures life Earthen check dams, gully plugs, Bank Stabilisation, Loose stone check Dams, Gabions, Earthen embankment and Anicuts would be taken up.

## CHAPTER – III Proposed Development Plan:

### 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 13/1,2 14/1,2,3,10, 15/1to7,10to19, 16/4,5, 17/1to4, 18/7,8,10, 19/4,5, 20/1 22/7, 23/ 6,38 Micro Watershed. A series of meetings were conducted with GP members, community and discussed about the implementation of IWMP programme. User groups and SHG were also formed.

Grama Sabhas were conducted for approval of EPA and for selecting the watershed committee.

S.no	Name of the Gram Panchayat	Date of Grama Sabha
1	BORI	2/9/2011
2	DUNGLAWANI	12/30/2011
3	JAMLI	12/28/2011
4	KALI GHATI	1/9/2012
5	KELA MELA	2/13/2012
6	KUPDA	
7	NAYAN	1/2/2012
8	PARTHIPURA	1/4/2012
9	ROHANIYA	1/6/2012
10	TAMTIYA	1/18/2012
11	THECHLA	12/26/2011

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

<b>S.no</b>	<b>Name of the village/Habitation</b>	<b>Date on which PRA conducted</b>
1	BORI	10/2/2011
2	DUNGLAWANI	10/5/2011
3	JAMLI	10/7/2011
4	KALI GHATI	10/10/2011
5	KELA MELA	10/16/2011
6	KUPDA	
7	NAYAN	10/18/2011
8	PARTHIPURA	10/29/2011
9	ROHANIYA	10/23/2011
10	TAMTIYA	10/14/2011
11	THECHLA	10/22/2011

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 above period covering all the households and primary data on demography, Land holdings, Employment status, Community activities etc. was collected as mentioned in chapter-II.

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PDCOR 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 PDCOR are :

- Delineation of Macro/Micro watershed boundaries.
- Digitised Khasara 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.

### **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.
- The execution of the Women's Empowerment Pedagogy is regularly monitored by the District and State level Implementing Agencies

### 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).
-

## DETAILS OF EPA

S. No.	Names of Gram Panchyat	Amount earmarked for EPA	Entry Point Activities planned	Estimated cost	Expenditure incurred	Balance	Expected outcome	Actual outcome
1	2	3	4	5	6	7	8	9
1	BORI	2.49	WHS Construction	2.49	2.00	0.49	Scarcity of water made availble	Scarcity of water made availble
2	DUNGLAWANI	11.93	WHS Construction	11.93	11.93	0.00	Scarcity of water made availble	Scarcity of water made availble
3	JAMLI	1.32	WHS Construction	1.32	0.00	1.32	Scarcity of water made availble	Scarcity of water made availble
4	KALI GHATI	5.82	WHS Construction	5.82	5.82	0.00	Scarcity of water made availble	Scarcity of water made availble
5	KELA MELA	0.42	WHS Construction	0.42	0.00	0.42	Scarcity of water made availble	Scarcity of water made availble
6	KUPDA	1.28	WHS Construction	1.28	0.00	1.28	Scarcity of water made availble	Scarcity of water made availble
7	NAYAN	2.80	WHS Construction	2.80	0.00	2.80	Scarcity of water made availble	Scarcity of water made availble
8	PARTHIPURA	1.22	WHS Construction	1.22	0.00	1.22	Scarcity of water made availble	Scarcity of water made availble
9	ROHANIYA	0.64	WHS Construction	0.64	0.00	0.64	Scarcity of water made availble	Scarcity of water made availble
10	TAMTIYA	1.83	WHS Construction	1.83	0.00	1.83	Scarcity of water made availble	Scarcity of water made availble
11	THECHLA	1.59	WHS Construction	1.59	1.59	0.00	Scarcity of water made availble	Scarcity of water made availble
		31.35		31.35	21.34	10.01		

**CHAPTER – VII**

**EXPECTED OUT COMES**

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	12-17	10-14	-
2	Ground water structures repaired/ rejuvenated	No.	-	-	-
3	Quality of drinking water	Description	good	good	-
4	Availability of drinking water	Description	Sufficient	Sufficient	-
5	Change in irrigated Area	Ha	0	73.8 Ha.	-
6	Change in cropping/ land use pattern	Description	MAIZE	Maize + Horticulture crop	-
7	Area under agricultural crop				-
	I Area under single crop	Ha	2343.3	2577.6	-
	ii Area under double crop	Ha	998.2	1072.0	-
	iii Area under multiple crop	Ha	4.5	6.1	--
8	Change in cultivated Area	Ha	0	10-15 %	-
9	yield of major crops of area				
	Yield of Maize	q/ha	7.5-8.2	7.5-8.7	-
	Yield of moong	q/ha	4-5.2	4.5-5.5	-
	Yield of wheat	q/ha	9-12	9-13	-
	Yield of Soyabean	q/ha	1.0-2.0	1.5-2.5	
	Yield of Gram	q/ha	4.0-5.0	4.5-6.0	-
10	Area under vegetation	Ha	9.2	10.12	Kitchen gardening
11	Area under horticulture	Ha	2.1	137.1	Plantation of mango
12	Area under fuel	Ha	0	65	by Plantation
13	Area under Fodder	Ha	0	35	by Pasture dev.
14	Fodder production	Q	0	45	-
15	Milk production	Litres/day	135	162	-
16	SHGs Active	No.	#REF!	43	-
17	No. of livelihoods	No.	87	135	-
18	Income per hh	Rs.	6300	8500	-
19	Migration	No.	2116	1693	-
20	SHG Federations formed	No.	0	1	-