

# GOVERNMENT OF RAJASTHAN



सत्यमेव जयते

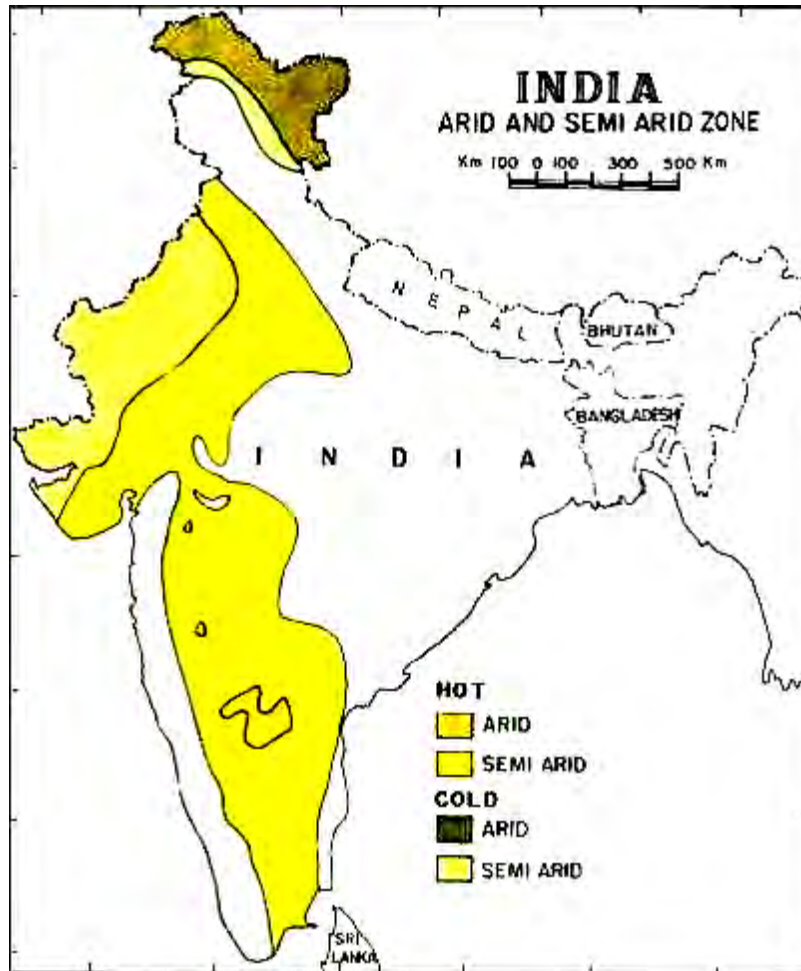
**RURAL DEVELOPMENT & PANCHAYATI RAJ DEPARTMENT**  
**Watershed Development & Soil Conservation Department**  
**Rajasthan, Jaipur**

**DETAILED PROJECT REPORT**  
**INTEGRATED WATERSHED MANGEMENT PROGRAMME**  
**JODHPUR (IWMP) – 39 / 2010-11,**  
**BAP BLOCK**

**TOTAL COST : 750.00 LACS,**

**PROJECT IMPLEMENTING AGENCY**  
**ASSISTANT ENGINEER,**  
**PANCHAYAT SAMITI – BAP (JODHPUR)**

# Distribution of Indian Arid Zone



**Indian Arid Zone  
(38.7 m ha)**

Hot Arid: 31.7 m ha

Rajasthan: 19.60 m ha

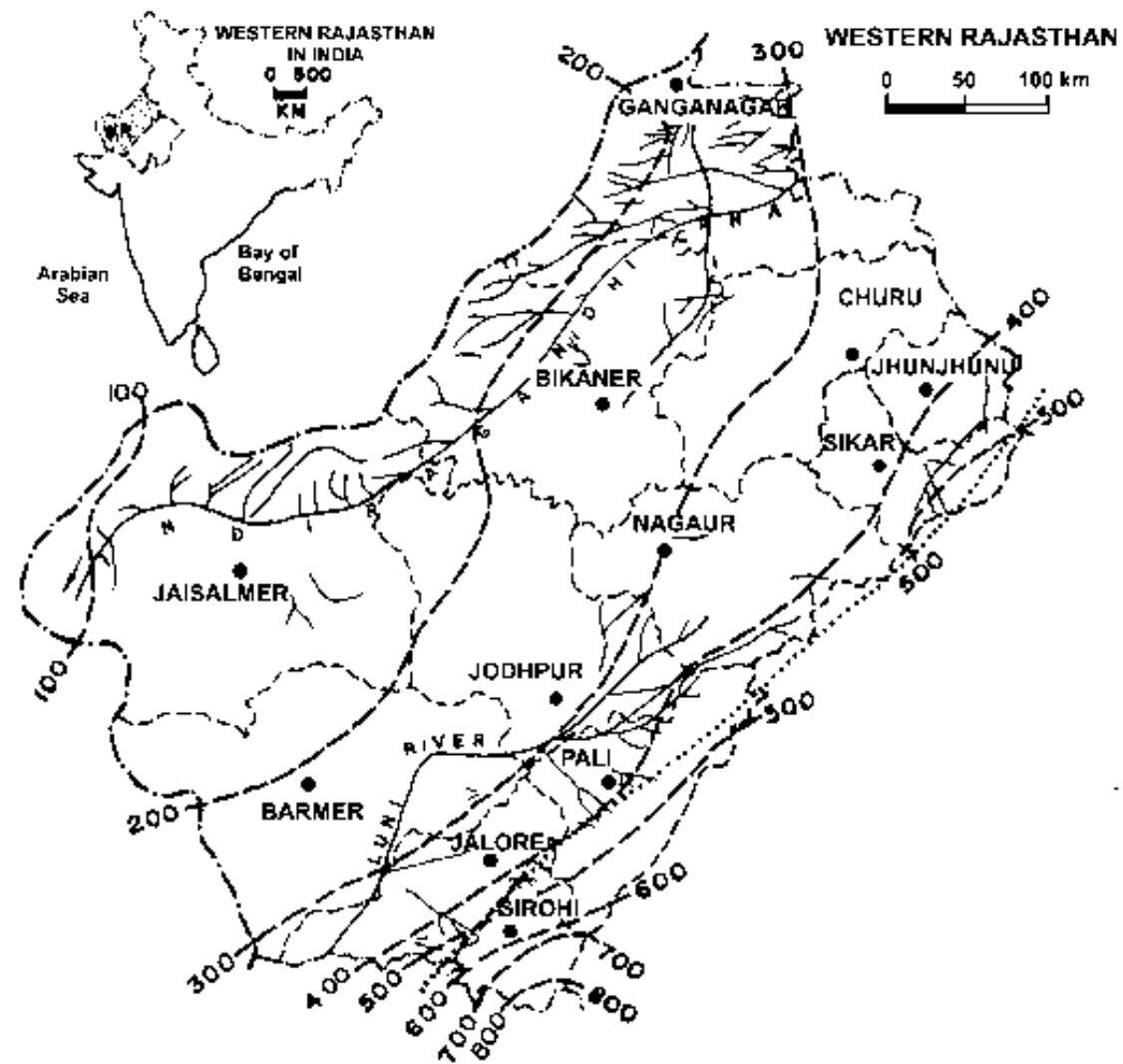
Gujarat: 6.22 m ha

Haryana & Punjab: 2.75 m ha

South Peninsula: 3.13 m ha

**Cold Arid : 7.0 m ha**

Jammu & Kashmir: 7.0 m ha



Mean annual rainfall, mm (---), stream characteristics (—) and Eastern boundary (-----) of arid zone of Rajasthan

# Geography

## **LOCATION**

JODHPUR, ONE OF THE LARGEST DISTRICT OF RAJASTHAN STATE IS CENTRALLY SITUATED IN WESTERN REGION OF THE STATE, HAVING GEOGRAPHICAL AREA OF 22850 SQ. KMS. IT HAS POPULATION OF 28.81 LACS AS PER 2001 CENSUS. THE DISTRICT STRETCHES BETWEEN 26'00" AND 27'37" AT NORTH LATITUDE AND BETWEEN 72'55" AND 73'52" AT EAST LONGITUDE. THIS DISTRICT IS SITUATED AT THE HEIGHT BETWEEN 250-300 METERS ABOVE SEA LEVEL.

JODHPUR IS BOUND BY NAGAUR IN EAST, JAISALMER IN WEST, BIKANER IN NORTH AND BARMER AS WELL AS PALI IN THE SOUTH. THE LENGTH OF THE DISTRICT FROM NORTH TO SOUTH AND FROM EAST TO WEST IS 197 KM.& 208 KM. RESPECTIVELY.

THIS DISTRICT COMES UNDER ARID ZONE OF THE RAJASTHAN STATE. IT COVERS 11.60% OF TOTAL AREA OF ARID ZONE OF THE STATE. SOME OF THE AREA OF GREAT INDIAN DESERT THAR ALSO COMES WITH IN THE DISTRICT. GENERAL SLOPE OF THE TERRAIN IS TOWARDS WEST.

DESPITE ITS ARID CLIMATE, JODHPUR IS BLESSED WITH A VARIETY OF FLORA AND FAUNA. A SURVEY CONDUCTED BY DISTRICT ADMINISTRATION WITH THE HELP OF FOREST OFFICIALS SHOWS 162 FLORA AND 144 FAUNA AT MACHIA SAFARI SITUATED ONLY 10 KMS FROM JODHPUR.

EXTREME OF HEAT IN SUMMER AND COLD IN WINTER IS THE CHARACTERISTIC OF THE DESERT. JODHPUR IS NO EXCEPTION. THE TEMPERATURE VARIES FROM 49 DEGREE IN SUMMER TO 1 DEGREE IN WINTER. THE SANDSTORM (ANDHI) SPECTACLE FOR PEOPLE FROM OTHER REGION OF INDIA. THE RAINY DAYS ARE LIMITED TO MAXIMUM 15 IN A YEAR. THE AVERAGE RAINFALL IS 302 MM.

SOIL OF THE DISTRICT IS CLASSIFIED MAINLY AS SANDY AND LOAMY. BAJRA ( PEARL MILLET) IS THE MAJOR CROP IN KHARIF. JODHPUR HAS EXCELLENT GROUND WATER TASTE IN MANY PART OF DISTRICT. IN RABI WHEAT, PULSE AND A VARIETY OF MASALA LIKE JEERA, DHANIA AND RED CHILLY ARE ALSO GROWN. JODHPUR HAS A NAME FOR ITS RED CHILLY, ONION AND GARLIC. IT IS ONE OF THE MAJOR PRODUCTION CENTRE FOR GUAR.

THERE IS NO PERENNIAL RIVER IN THE DISTRICT. HOWEVER, THERE ARE IMPORTANT RIVERS IN THE DISTRICT VIZ. LUNI AND MITHRI RIVERS BUT THEIR BASIS SALINE WATER. MAIN SOURCES OF IRRIGATION BESIDES RAINWATER ARE DUG-WELLS TUBE-WELLS. THE HIGHEST-IRRIGATED AREA IN DISTRICT IS IN BILARA TEHSIL FOLLOWED BY BHOPLGARH AND OSIAN TEHSIL.

THE MAJOR AND IMPORTANT MINERALS OF THE DISTRICT ARE SAND STONES AND LIME STONES. FAWN & RED COLOURS SANDSTON OF THE DISTRICT IS VERY POPULAR AND FOUND IN ABUNDANCE. BESIDES THIS BULIDING STONES, STONE SLABS AND FLAGSTONES ARE MINED IN THE DISTRICT ON REGULAR BASIS. MINERALS LIKE QUARTZ & CLAYS OF VARIOUS COLOURS & DOLOMITE ARE ALSO AVAILABLE IN THE DISTRICT.

# Population Census

## POPULATION - 2011

PROVISIONAL CENSUS POPULATION 2011							
SR.NO.	ITEM	DISTRICT - JODHPUR			STATE - RAJASTHAN		
		2011	2001	DIFF	2011	2001	DIFF
1	TOTAL POPULATION	3685681	2886505	799176	68621012	56507188	12113824
2	MALES	1924326	1513890	410436	35620086	29420011	6200075
3	FEMALES	1761355	1372615	388740	33000926	27087177	5913749
4	PERCENTAGE DECADAL GROWTH	27.69	33.77	-6.08	21.44	28.41	-6.97
5	SEX RATIO	915	907	8	926	921	5
6	CHILD SEX RATIO (0-6 Y )	890	919	-29	883	909	-26
7	DENSITY (PERSONS PER SQ.KM.)	161	126	35	201	165	36
8	CHILD POPULATION 0-6YEARS	592959	557374	35585	10504916	10651002	-146086
9	LITERACY RATE PERSONS	67.09	56.67	10.42	67.06	60.4	6.66
10	LITERACY RATE MALES	80.46	72.96	7.5	80.51	75.7	4.81
11	LITERACY RATE FEMALES	52.57	38.64	13.93	52.66	43.85	8.81

## Population 2001

YEAR/TEHSIL	AREA	POPULATION			SEX RATIO
		MALE	FEMALE	TOTAL	
2001	RURAL	994172	915251	1909423	921
	URBAN	519718	457364	977082	880
	TOTAL	1513890	1372615	2886505	907
TEHSIL (2001)					
1-PHALODI	RURAL	202945	184237	387182	908
	URBAN	23546	21322	44868	906
	TOTAL	226491	205559	432050	908
2-OSIAN	RURAL	183574	169361	352935	923
	URBAN	-	-	-	-
	TOTAL	323631	169361	352935	923
3-BHOPALGARH	RURAL	140057	131510	271567	939
	URBAN	0	0	0	0
	TOTAL	140057	131510	271567	939
4-JODHPUR	RURAL	109560	99276	208836	906
	URBAN	459198	401620	860818	875
	TOTAL	568758	500896	1069654	881
5-SHERGARH	RURAL	176091	160744	336835	913
	URBAN	0	0	0	0
	TOTAL	176091	160744	336835	913
6-LUNI	RURAL	88468	83050	171518	939
	URBAN	0	0	0	0
	TOTAL	88468	83050	171518	931
7-BILARA	RURAL	93477	87073	180550	931
	URBAN	36974	34422	71396	931
	TOTAL	130451	121495	251946	931

## Decadal growth of Jodhpur district.

YEAR	MALE	FEMALE	TOTAL	DIFFERENCE	PERCENTAGE ADDITION /DECLINE
1931	235382	208272	443654	-	
1941	296184	262205	558389	114735	26%
1951	353709	318400	672109	113720	20%
1961	468656	416103	884759	212650	32%
1971	606223	545426	1151649	266890	30%
1981	873531	794260	1667791	516142	45%
1991	1138537	1014946	2153483	485692	29%
2001	1513890	1372615	2886505	733022	34%

## Human Development

POPULATION 2001	
TOTAL POPULATION	2886505
URBAN POPULATION	0.3385
POPULATION OF SCHEDULED CASTES	0.1581
POPULATION OF SCHEDULED TRIBES	0.0275
EXPONENTIAL RATE OF GROWTH OF POPULATION:1991 TO 2001	0.0256
DENSITY OF POPULATION (PER SP.KMS.)	1.26

## Forest/Flora/Fauna

ON ACCOUNT OF ARID CLIMATE, NEGLIGIBLE PERCENTAGE OF THE TOTAL REPORTING AREA FOR THE LAND USE IN THE DISTRICT ARE COVERED UNDER FORESTS.DUE TO SANDY SOIL ONLY SCRUB AND THORNY BUSHES OF VEGETATION ARE FOUND IN THE FOREST AREAS OF THE DISTRICT. THE MAIN SPECIES OF TREES ARE UMAT,KAIR,KHEJRI,BABUL,BIR,JAL KHARA,PILU,ETC.FRUITBEARING TREES ARE PROME GRANATES AND GUAVAS.THE FUNA OF THE DISTRICT INCLUDE JACKAL,JUNGLE CAT, INDIAN FOX,BLACKBUCK,CHINKARA,COMMON HARE,ETC.THE BIRDS COMMONLY FOUND ARE BAYA,KOYAL,PARROT,VULTURE,JUNGLE CROW,BULBUL,HOUSE SPARROW,KITE,SAND GROUSE,COMMON QUAIL,GREY PARTRIDGE, LITTLE EGRIT,ETC.

## Basic Statistics

BIRD'S EYE VIEW	
TOTAL GEOGRAPHICAL AREA	2256405HECTARES
TOTAL IRRIGATED AREA	131752HECTARES
TOTAL UNIRRIGATED AREA	911166HECTARES
PASTURE LAND	125701HECTARES
RURAL POPULATION	1909423
URBAN POPULATION	977082
LITERACY RATE	0.5738
GENERAL RAIN FALL	318.7MM
STATE ASSEMBLY SEATS	10 (JODHPUR, SARDARPURA,SURSAGAR, PHALODI, OSIAN, BILARA,BHOPALGARH,LUNI, SHERGARH. LOHAWAT)
SUBDIVISIONS	07(JODHPUR, PIPAR CITY,PHALODI,OSIAN, LUNI, SHERGARH, BHOPALGARH)
TEHSILS	07 (JODHPUR,LUNI,BILARA,BHOPALGARH,OSIAN,PHALODI,SHERGARH)
UPTESILS	04 (BAP, JHANWAR,BALESAR, TINWARI)
PANCHAYAT SAMITI	10 (LUNI,MANDOR,BALESAGARH,BILARA,PHALODI,BAP, BAORI)
GRAM PANCHAYAT	339
REVENUE VILLAGES	1869
MUNICIPAL CORPORATION	01 (JODHPUR)

MUNICIPAL BOARD	03 (PHALODI,BILARA,PIPAR CITY)
LAND RECORDS CIRCLES	55
MAJOR HOSPITALS	8
A GRADE VETERINARY HOSPITALS	7
VETERINARY DISPENSARIES	0
POLY CLINIC	1
VETERINARY HOSPITALS	84
VETERINARY SUB-CENTER	46
UNIVERSITY	3
COLLEGES	12
SCHOOLS	6388
POST OFFICES	559
POLICE COMMISSIONERATE	02(URBAN)
SUPERINTENDENT OF POLICE	01(RURAL)
JAILS & SUBJAILS	3

### MEDICAL AND HEALTH INFRASTRUCTURE

SATELLITE HOSPITALS	2	MANDOR, PAOTA
COMMUNITY HEALTH CENTRES	15	PIPAR CITY, BHOPALGARH, MATHANIYA, SALAWAS, DUNDHARDA, AASOP, DECHU, LUNI, BORUNDA, PHALODI, OSIAN, BAP, SHERGARH,
BLOCK	9	MANDOR, LUNI, BALESAR, BILARA, BAP, OSIAN, BHOPALGARH, SHERGARH, PHALODI
FRU	8	PHALODI, BILARA, SHERGARH, BALESAR, BHOPALGARH, OSIAN, BAP, MANDOR
STATIC CENTRES	10	PHALODI, PIPAR CITY, BILARA, MANDOR, PAOTA, MGH, UMMAID HOSPITAL, MAHILABAGH, SALAWAS

### BPL Patients

AREA	NO. OF BPL PATIENTS	EXPENDITURE IN RS.	PARTICULARS
RURAL ,	58381	1243113	ESTIMATED EXPENDITURE
URBAN	53276	16286791	ACTUAL EXPENDITURE
TOTAL	111657	17529904	

# RAJASTHAN



# Introduction Chapter :- 1

## 1.1 Project Background

**Name of Project:- IWMP Jodhpur 39**

Macro No:-	Cluster
Micro No:-	Cluster

*Table No 1.1.1 :- Project Background*

	Degree	Minute		Degree	Minute
Latitude:-	27	26	To	27	25
Longitude:-	72	11	To	72	21

### Total Project Area

Total Project area 5000 Ha is Proposed to be treated under Intrigated Watershed Management Programme

### Location:-

Distance from watershed

Nearest town:-	Bap	20 Km
Tehsil:-	Phalodi	32 Km
District:-	Jodhpur	180 Km

### Social:-

Major cast:- Musalman, Dewasi, Megawal, Rajput

The livelihood of these people is based on rainfed agriculture, daily labour in industries, & sheep rearing

*Table No 1.1.2 :- Basic Project Information*

So. No	Name of Project	Name of Gram Panchayat	Village Name	Census code	Tehsil	District	Area Proposed to be Treated	Total Project cost Lacs	PIA
1	IWMP 39	Sanwra Gaon Bari seer	Mandali	815000101909100	Phalodi	Jodhpur	1335.00	200.25	Asst. Engg. WD&SC, Bap, Jodhpur
2			Manchitya	815000101909300	Phalodi	Jodhpur	471.00	70.65	
3			Lumbaniya	815000101909400	Phalodi	Jodhpur	1753.00	262.95	
4			Rawra	815000101909600	Phalodi	Jodhpur	941.00	141.15	
5			Baori Barsinga	815000101911500	Phalodi	Jodhpur	500.00	75.00	
Total							5000.00	750.00	

*Table No 1.1.3 :- Macro Micro Information*

So. No	Name of Project	Name of gram panchayat	Village Name	Macro No	Micro no
1	IWMP 39	Sanwra Gaon	Mandali	Cluster	
			Manchitya	Cluster	
			Lumbaniya	Cluster	
			Rawra	Cluster	
2		Bari seer	Baori Barsinga	Cluster	

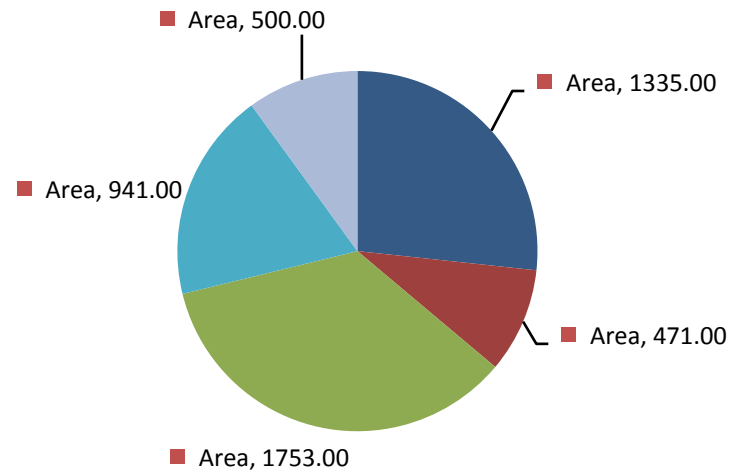
*Table No 1.1.4 :- Macro Micro Information Village Wise*

S.N.	Macro N.	Micro N.	Area	Name of village					Effective Area
				Mandali	Manchitya	Lumbaniya	Rawra	Baori Barsinga	
1	Cluster		5000	1335.00	471.00	1753.00	941.00	500.00	5000.00
<b>Total</b>			<b>5000</b>						0

*Digram :- 1.1.1 Micro Wise*

Ma n./Mi n.	Cluster	Mandali	Manchitya	Lumbaniya	Rawra	Baori Barsinga
Area	5000	1335.00	471.00	1753.00	941.00	500.00

**Area of Cluster to be treated in IWMP watershed**

















Income & Expenditure (in Rs. 00)	Total Income	Total Expenditure	Manufactured Item No. 1	Manufactured Item No. 2	Manufactured Item No. 3										
2	0	0	FERNITURE	null	null										
Primary Schools	Middle Schools	Secondary Schools	Sr. Secondary Schools	Colleges	Industrial Schools	Training	Adult Literacy Class/Center	Other Educational Facilities							
1	0	0	0	0	0	0	0	0							
Cinema/Video Halls	Sports Club	Stadium / Auditorium	Paved Road	Mud Road	Foot Path	Navigable River	Navigable Canal	Navigable Water Way Other Than River Or Canal	Nearest Town	Distance From Nearest Town (in Km)					
0	0	0	2	1	1	2	2	2	PHALODI	45					
Allopathic Hospital	Ayurvedic Hospital	Unani Hospital	Homeopathic Hospital	Allopathic Dispensary	Ayurvedic Dispensary	Unani Dispensary	Homeopathic Dispensary	Maternity & Child Welfare Center	Maternity Home	Child Welfare Center	Total Irrigated Area	Middle Unirrigated Area	Culturable Waste	Area Not Available For Cultivation	
0	0	0	0	0	0	0	0	0	0	0	0	1253	553	2147	
Health Center	Primary Health Center	Primary Health Sub Center	Family Welfare Center	T.B. Clinic	Nursing Home	Registered Private Medical Practitioners	Subsidised Medical Practitioners	Community Health Workers	Other Medical Facilities			Electricity For Domestic Use	Electricity For Agricultural Use	Electricity For Other Purpose	Electricity For All Purpose
0	0	0	0	0	0	0	0	0	0			0	0	0	0
Forest(in Ha.)	Government Canal	Private Canal	Well (Without Electricity)	Well (With Electricity)	Tube-Well (Without Electricity)	Tube-Well (With Electricity)	Tank	River	Lake	Waterfall	Other	Bus Services	Railway Services	Navigable Water Way including River, Canal	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	





## 1.2 Institutional arrangements

### 1.2.1 State Level Nodal Agency (SLNA):-

As per guideline para no.- 4.4 State Govt.of Rajasthan constituted State Level Nodal Agency (SLNA). Chairman of SLNA is Additional Chief Secretary (Development) & Member Secretary is Director Watershed (CEO).

#### SLNA

Member Secretary	Post :- CEO
Designation & Address :-	Director Watershed Development & Soil Conservation
Telephone No. :-	0141 - 2227189
Fax No. :-	0141 - 2227858
E - mail :-	dir_wdsc @ dataone.in.

### 1.2.2 District Watershed Development Unit (DWDU):-

As per Guideline para no. 4.5 / 29 SLNA has appointed District Watershed Development Unit at District Level. Project Manager of DWDU is XEn (LR) Zila Parishad at District Level.

#### Details of DWDU

Designation & Address	Project Manager cum X.En (LR) Zilla Parishad Jodhpur
(ii) Telephone	0291 2544171
(iii) Fax	0291 2544171
(iv) E-mail	<a href="mailto:dwd_u.jodhpur@gmail.com">dwd_u.jodhpur@gmail.com</a>

### 1.2.3 Project Implementing Agency

#### Table No. 1.2.1 :- Detail of PIA

Names of project	IWMP 39	
Details of PIA	Designation & Address	Asst. Engg. WD&SC BAP
	(ii) Telephone	0292-1277024
	(iii) Fax	
	(iv) E-mail	<a href="mailto:iwmp.bap@gmail.com">iwmp.bap@gmail.com</a>

### 1.2.4 Watershed Development Team (WDT)

Table no. 1.2.2 Staff at PIA level

S.N o.	Name	Age	Sex	Designation	Qualificatiion	Specilization	Job Assigned	Monthly Remuneration
1	Sukhendra prasad	24	M	WDT Eng	Diploma	Civil	Engg.	10000
2	Naresh chandra	27	M	WDT Ag	B Sc.	Agriculture	Ag.	8000
3	Bikaram singh	25	M	WDT Animal	Diploma	L.S.A.	Animal Hus.	8000
4	Jamana Prasad	31	F	WDT Social	B.A.B.Ed. M.A.	S.S.	Social W.	8000

### 1.2.5 Watershed Committee (WC)

Total area of the watershed 5000 ha. Comprise of Two Gram Panchayat namely :- Sawran Gaon & Bari Seer  
Two Watershed Committee is constituted because of two Gram panchyat

Table 1.2.3

Gram Panchayat	Date of Gram Sabha
Shekhasar	21-08-2012

Table 1.2.4: Detail of Watershed Committee Sanwara Gaon

Name of the Districts	Name of projects	Name of WCs	Date of Registration as a Society (dd/mm/yyyy)	Designation	Name	M/F	SC	ST	SF	MF	LF	Land less	UG	SH G	GP	Educational qualification			
Jodhpur	IWMP Jodhpur 39	Sanwara Gaon	NA	President	Narayan ram S/O Sagta ram	M			Y				Y			Literate			
				Member	Dhokal ram S/O Gumna ram	M				Y				Y			Illiterate		
				Member	Bhagwana ram S/O Sakra ram meghwal	M	Y		Y						Y			8 th	
				Member	Setana ram S/O Khiya ram	M				Y					Y			Literate	
				Member	Kishan dan S/O Kushal dan	M			Y						Y			Literate	
				Member	Raku devi W/O Pema ram dewasi	F				Y						Y		Illiterate	
				Member	Chaku kanwar W/O Lichhman singh	F				Y						Y		Illiterate	
				Member	Kamla W/O Karna ram dewasi	M				Y						Y		Illiterate	
				Member	Bhura ram S/O Joga ram meghwal	M	Y			Y						Y		Literate	
				Member	Jethi kanwar W/O Setan singh	F			Y								Y		Literate
				Member	Narayan singh S/O Jet singh	M			Y							Y			Literate
				Member	Parma ram S/O Narsih ram meghwal	M	Y		Y							Y			Illiterate
				Secrectry	Uday singh S/O Nag singh	M				Y			Y			10 th			

*Table 1.2.4: Detail of Watershed Committee Bari Seer*

Name of the Districts	Name of projects	Name of WCs	Date of Registration as a Society (dd/mm/yyyy)	Designation	Name	M/F	SC	ST	SF	MF	LF	Land less	UG	SH G	GP	Educational qualification			
Jodhpur	IWMP Jodhpur 39	Bari Seer	NA	President	Gokul Ram s/0 Dina Ram	M	Y		Y				Y			Literate			
				Member	Ramchandra s/0 Nataram	M	Y			Y				Y			Literate		
				Member	Punaram S/0 Sukharam	M	Y		Y						Y			Illiterate	
				Member	Santi Devi W/0 Achalnath	F				Y					Y			Illiterate	
				Member	Bhanwar Kawanr w/0 Sumer Singh	F			Y						Y			X	
				Member	Sua Devi W/0 Chunilal	F	Y			Y					Y			Illiterate	
				Member	Bhawan Singh S/0 Aedan Singh	M				Y					Y			Literate	
				Member	Madan Singh S/0 Umad Singh	M				Y						Y		Literate	
				Member	Prabhusingh S/0 Harisingh	M				Y							Y		Literate
				Member	Pabusingh S/0 Biradsingh	M			Y							Y			X
				Member	Umedsingh S/0 Bhomsingh	M			Y							Y			B.A
				Secretary	Nrendra Singh s/0 Ramsingh	M				Y						Y			B. A.

### 1.2.6 Secretary Watershed Committees

- 1 Convening meeting of the Gram Sabha, Gram Panchayat, Watershed Committee for facilitating the Decision Making Processes in the context of Watershed Development Project.
- 2 Taking follow up action on all decisions.
- 3 Maintaining all the records of project activities and proceedings of the meetings of Gram Panchayat, WC, and other institutions for Watershed Development Project.
- 4 Ensuring payments and other financial transactions.
- 5 Signing the cheques jointly with the WDT nominee on behalf of the Watershed Committee.

### 1.3 Present Status of Land Use

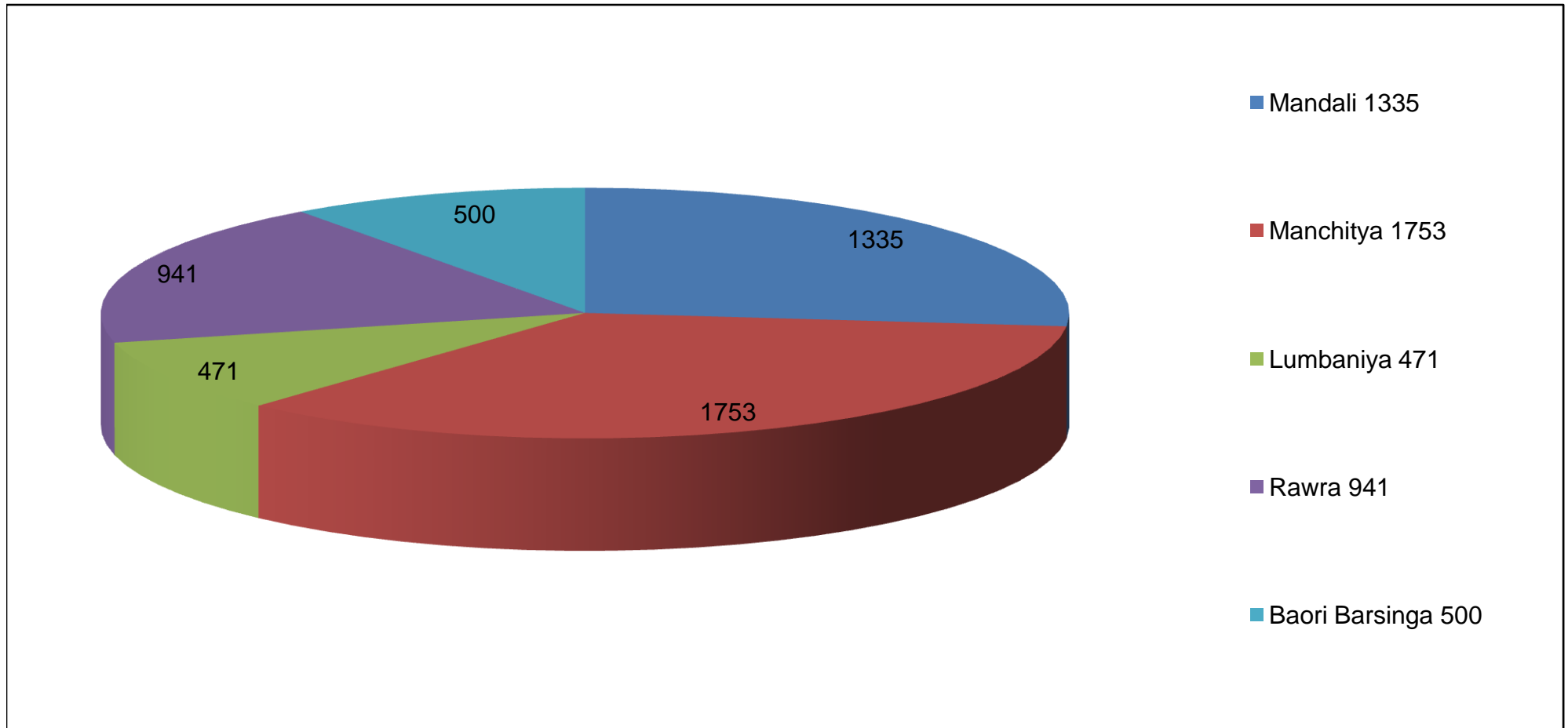
Table No 1.3.1 :- Present status of land use

Name of village	Macro no	Micro no	Arabel Land			Non arable land				total land
			Irrigated	UnIrrigated	fellow	Govt.	Panchayat land			
						DLT	Pasture	community land	Others	
						Ha.				
Mandali	cluster	cluster	0	990	80	0	150	100	15	1335
Manchitya	cluster	cluster	0	1346	139	0	84	160	24	1753
Lumbaniya	cluster	cluster	0	343	71	0	50	0	7	471
Rawra	cluster	cluster	0	808	81	0	30	10	12	941
Baori Barsinga	cluster	cluster	0	340	76	0	40	29	15	500
Total			0	3827	447	0	354	299	73	5000

*Table No 1.3.2 :- Area covered by different villages*

Area Covered in village				
Mandali	Manchitya	Lumbaniya	Rawra	Baori Barsinga
1335.00	1753.00	471.00	941.00	500.00

*Digrane no :- 1.3.1 Area Covered in village*



#### ***1.4 :- Rain Water Storage***

There is no water body except Nadi for water harvesting. Nadi in watershed area is not well maintained and not managed by the villagers. NREGS planed to excavated but water managment is required.

***Table No 1.4.1 :- Rain Water Storage***

Name of village	No of Nadi	Anicut	Khadeen	Tanka	Check dam	Dam	Pond
Mandali	2	0	0	4	0	0	0
Manchitya	1	0	1	9	0	0	0
Lumbaniya	0	0	0	5	0	0	0
Rawra	1	0	0	6	0	0	0
Baori Barsinga	0	0	0	5	0	0	0

#### ***1.5 :- Erosion Status in Project Area***

Project Area is affected by Water Erosion such that loss of soil fertility take place every year.

Production depleting year by year.

It is major problem of watershed

*Table no.1.5.1 :- Erosion Status in*

Cause	Type of erosion	Area affected (ha)	Run off(mm/ year)	Average soil loss (Tonnes/ ha/ year)
Water erosion				14-18 Tonnes / ha / year
a	Sheet	1590.00	300-325 mm / year	
b	Rill	970.00	300-325 mm / year	
c	Gully	940.00	300-325 mm / year	
Sub-Total		3500.00	300-325 mm / year	
Wind erosion		1500.00	0	
<b>Total for project</b>		5000.00	300-325 mm / year	

**1.6 Socio Economic Status :-**

Economy of farmers of Project Area is based on cultivation. Due to Erosion & Scarcity rainfall. Economic Condition of farmers are very poor.

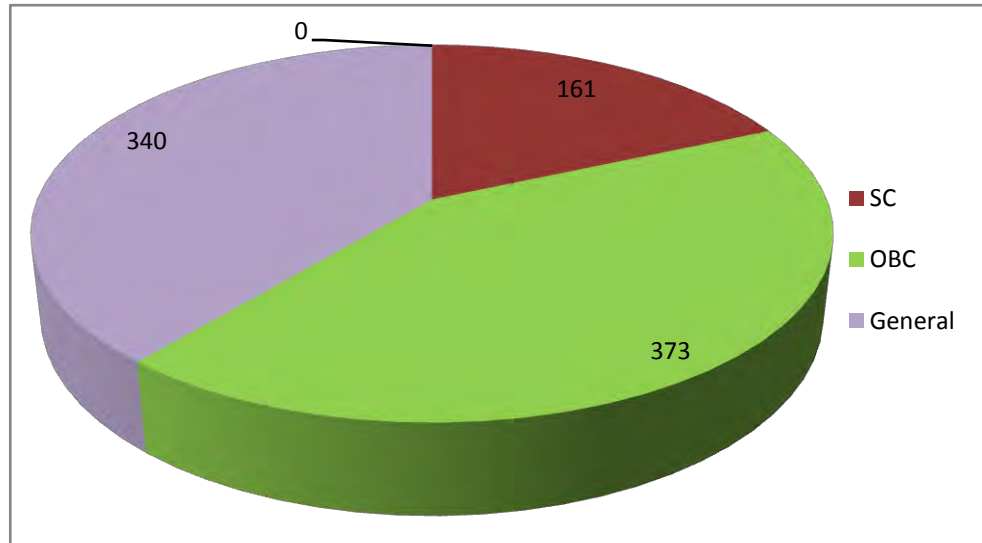
**Table no. 1.6.1 Socio economic status**

So.no	Name of village	SC / ST		OBC		General		Total	
		No	Area	No	Area	No	Area	No	Area
1	Mandali	28	131.9	142	451.07	156	487.02	326	1069.99
2	Manchitya	37	250.33	85	724.01	74	510.66	196	1485
3	Lumbaniya	57	172.25	52	237.14	28	34.61	137	444
4	Rawra	28	177.69	71	492.54	54	263.76	153	933.99
5	Baori Barsinga	11	103.81	23	154.32	28	157.87	62	416
Total		161	835.98	373	2059.08	340	1453.92	874	4348.98

There is three draughts year out of four year. Such that livelihood is based on daily labour and working in mining industry. Which is very risky job. Base line survey of field show that farmers of irrigated land is better than the farmers of unirrigated land. Education status of villagers are very poor.

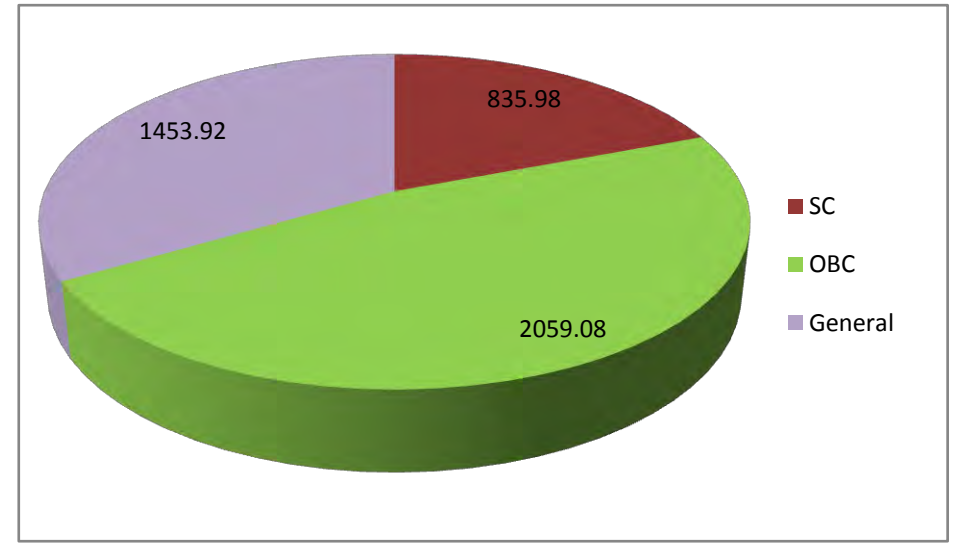
Digrame no :- 1.6.1 No. Household Cultivators

	SC	OBC	General
IWMP-38	161	373	340



Digrame no :- 1.6.2 Total Area Cultivators

	SC	OBC	General
IWMP-38	835.98	2059.08	1453.92



1.7 Village Wise Land Holding Pattern in Project area

Table no. 1.7.1 :-

Sr.no.	Type of Farmer	Land holding (ha.) irrigation source wise			Land holding (ha.) Social group wise				
		Irrigated (source)	Rainfed	Total	General	ST	SC.	OBC.	BPL
1	Large Farmer	0	22	22	264	0	0	77	0
2	Small Farmer	0	31	31	155	0	28	47	0
3	Marginal Farmer	0	39	39	49	0	24	29	21
4	Landless Person	0	0	0	0	0	0	0	0
5	No. of BPL Household	0	10	10	0	0	0	0	0
Total		0	102	102	468	0	52	153	21

## ***1.8 Problems***

### ***1 Land Topography***

Maximum part of Project Area is having slope less than 3 percent. But due to proper conservation measures and erratic rainfall productivity of area is low.

### ***2 Lack of Awareness***

Farmers of project area are not aware about Govt. schemes & do not have knowledge about latest technique of farming, horticulture plantation, drip irrigation or any other water saving methods.

### ***3 Lack of Water Management***

Farmers do not know how to harvest surface runoff. They do not have much money to check runoff by making anicuts, earthen bunds and LSCD

### ***4 Poor Vegetation in Pasture Area***

There is not any managed pasture area, even there is a Govt. & community land in Dhanapa village. Such that farmers can not manage live stock for their daily need of milk

### ***5 Absence of Micro Enterprises***

There is not a single small scale industry to support livelihood

### ***6 Lack of capacity building programmes.***

Farmers do not believe in latest technology because there is no demonstration activities to improve their capacity or to manage themselves with available sources in better way.

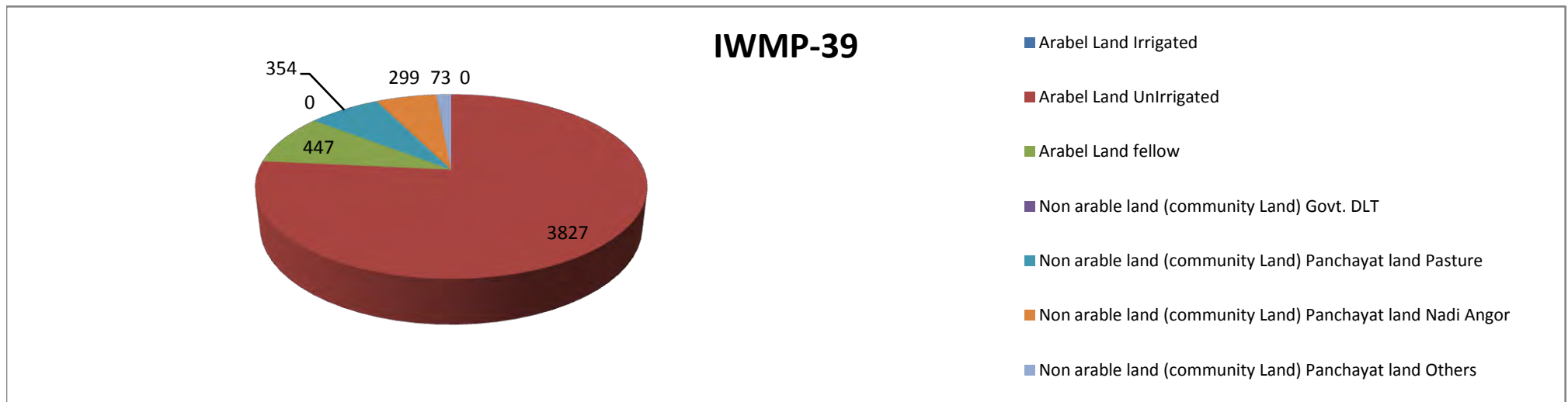
## Chapter II

### Part I: Basic Features of Project Area :-

#### Land use & land classification

IWMP-38	Arable Land			Non arable land (community Land)			
	Irrigated	Unirrigated	fallow	Govt.	Panchayat land		
				DLT	Pasture	Nadi Angor	Others
	0	3827	447	0	354	299	73

Digrame no :- 2.1.1



**Table No 2.2.1 :- Net sown Area**

Sr.no	Village	Total cultivated Land	Net sown area (Ha)		
			One time	Two times	Three times
1	Mandali	990	990	0	0
2	Manchitya	1346	1346	0	0
3	Lumbaniya	343	343	0	0
4	Rawra	808	808	0	0
5	Baori Barsinga	340	340	0	0
Total		3827	3827	0	0

Total Area of watershed 5000 ha. Out of this project area only 3827 ha. is cultivable land according to revenue records. As per Base line survey of field only 3444 ha. area is been sown. Remaining area 363 ha. is not been sown because of low fertility of land, erosion, slope in land & margin for field boundry 20 ha. area is fellow land not cultivable due to erosion & less soil depth.

### 2.3 Crop productivity

**Table No 2.3.1 :- Crop Details (Kharif)**

Village	Kharif (Mansoon)														
	Cotton			Bajara			Mung			Moth			Seasum		
	Area Ha	Productio	Productivi	Area Ha	Productio	Productivi	Area Ha	Productio	Productivi	Area Ha	Productio	Productivi	Area Ha	Productio	Productivi
Mandali	99	38.12	385.00	396	180.18	455.00	247.50	47.03	190.00	99.00	13.46	136.00	148.50	30.44	205.00
Manchitya	134.6	53.84	400.00	538.4	247.66	460.00	336.50	65.62	195.00	134.60	18.44	137.00	201.90	40.58	201.00
Lumbaniya	34.3	13.75	401.00	137.2	63.25	461.00	85.75	16.81	196.00	34.30	4.73	138.00	51.45	10.39	202.00
Rawra	80.8	32.48	402.00	323.2	149.32	462.00	202.00	39.79	197.00	80.80	11.23	139.00	121.20	24.6	203.00
Baori Barsinga	34	13.77	405.00	136	63.24	465.00	85.00	17	200.00	34.00	4.79	141.00	51.00	10.66	209.00
<b>Total</b>	<b>382.7</b>	<b>151.96</b>	<b>1993.00</b>	<b>1530.8</b>	<b>703.65</b>	<b>2303.00</b>	<b>956.75</b>	<b>186.25</b>	<b>978.00</b>	<b>382.70</b>	<b>52.65</b>	<b>691.00</b>	<b>574.05</b>	<b>116.67</b>	<b>1020.00</b>

**Table No 2.3.2 :- Crop details (Rabi)**

Village	Rabi (Winter)														
	Wheat			Gram			Musterd			Cumin					
	Area Ha	Productio	Productivi	Area Ha	Productio	Productivi	Area Ha	Productio	Productivi	Area Ha	Productio	Productivi	Area Ha	Productio	Productivi
Mandali	0	0	1975.00	0	0	602.00	0.00	0	1051.00	0.00	0	318.00	0.00	0.00	0.00
Manchitya	0	0	1980.00	0	0	603.00	0.00	0	1055.00	0.00	0	320.00	0.00	0.00	0.00
Lumbaniya	0	0	1981.00	0	0	604.00	0.00	0	1056.00	0.00	0	320.00	0.00	0.00	0.00
Rawra	0	0	1982.00	0	0	605.00	0.00	0	1057.00	0.00	0	320.00	0.00	0.00	0.00
Baori Barsinga	0	0	1975.00	0	0	606.00	0.00	0	1050.00	0.00	0	318.00	0.00	0.00	0.00
<b>Total</b>	<b>0</b>	<b>0</b>	<b>9893.0</b>	<b>0</b>	<b>0</b>	<b>3020.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5269.0</b>	<b>0.00</b>	<b>0.00</b>	<b>1596.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

*Net sown Area in watershed*

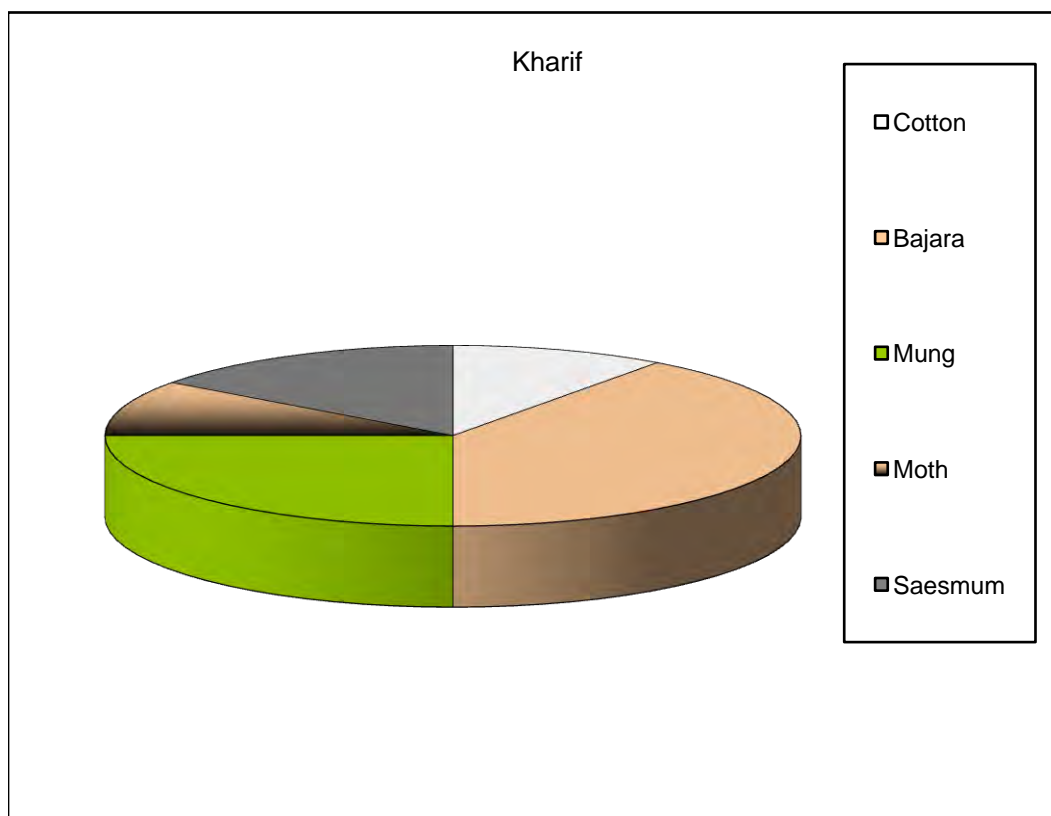
*Crop wise Kharif Crops*

Crop	Cotton	Bajara	Mung	Moth	Saesmum
Area	382.7	1530.80	956.75	382.70	574.05

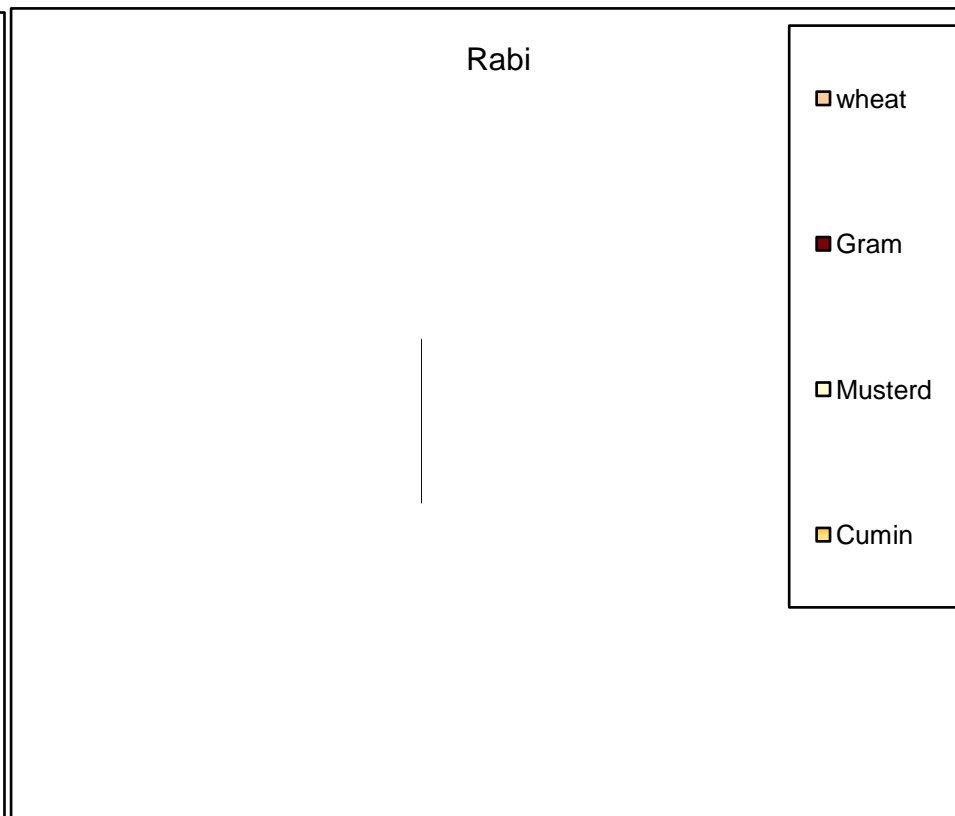
*Crop wise Rabi crops*

Crop	wheat	Gram	Musterd	Cumin
Area	0	0.00	0.00	0.00

*Digrame no :- 2.3.1 Kharif crops (Net sown Area)*



*Digrame no :- 2.3.2 Rabi crops (Net sown Area)*



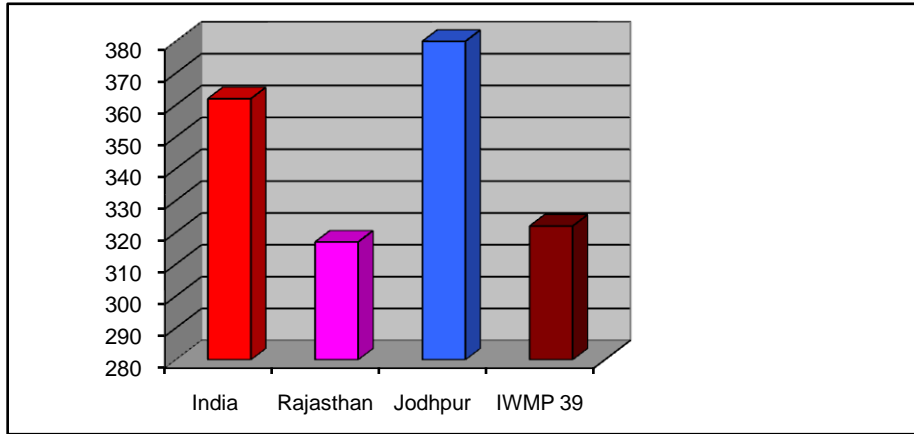
**2.4 Comparative Study of Agriculture Productivity for various crops**

**Digrame no :- 2.4.1 Agriculture status.**

**Cotton Productivity (Kg/Ha)**

Botanical Name Gossipium species

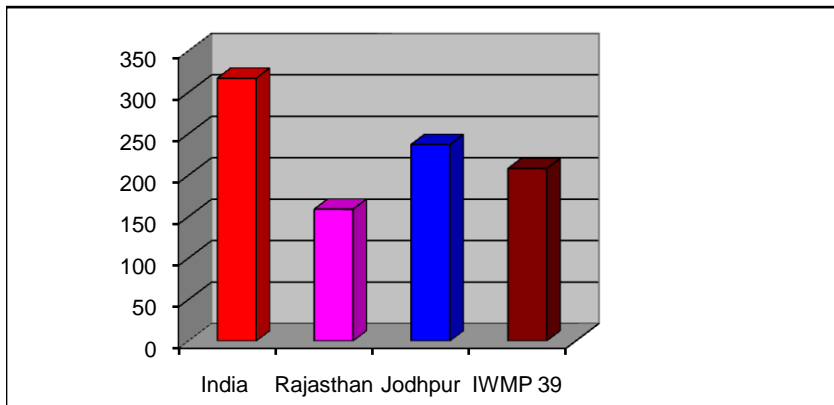
India	Rajasthan	Jodhpur	IWMP 39
362	317	380	322



**Mung Productivity (Kg/Ha)**

Botanical Name Vigna radiata

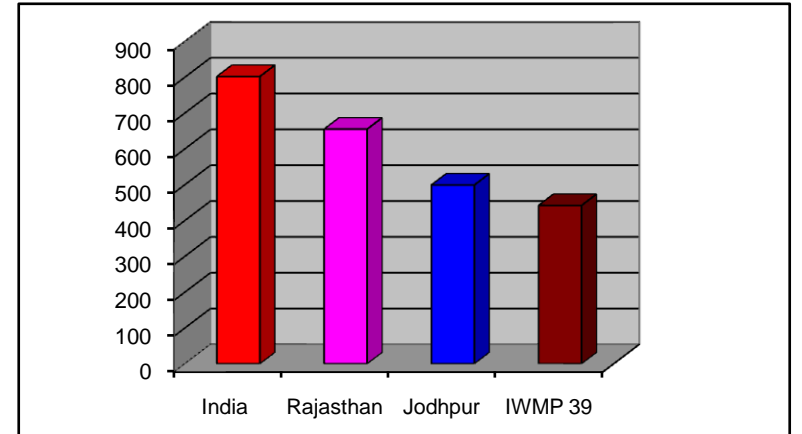
India	Rajasthan	Jodhpur	IWMP 39
317	159	237	208



**Bajara Productivity (Kg/Ha)**

Botanical Name Pennisetum americanum

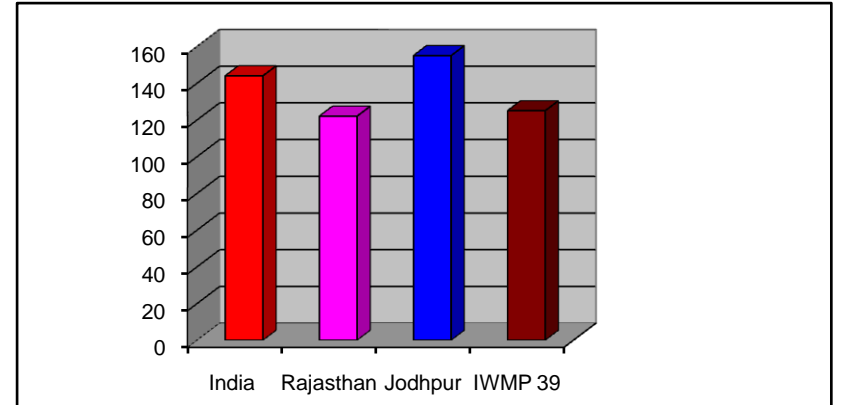
India	Rajasthan	Jodhpur	IWMP 39
802	655	499	442



**Moth Productivity (Kg/Ha)**

Botanical Name Phaseolus sconsilifolios

India	Rajasthan	Jodhpur	IWMP 39
144	122	155	125

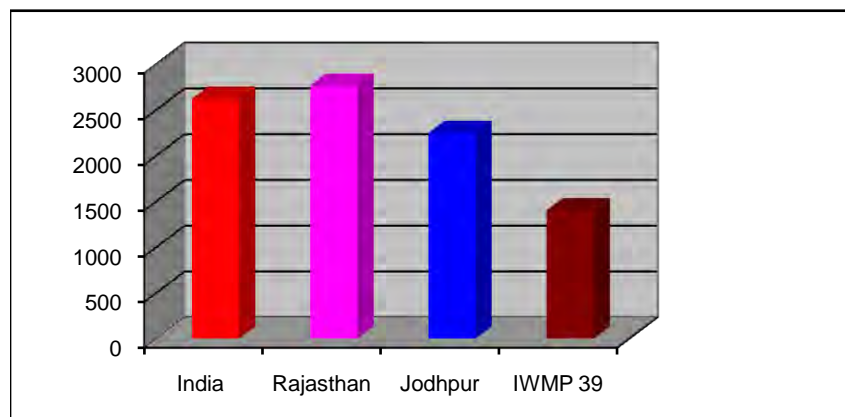


*Comparative Study of Agriculture Productivity for various crops*

*Digrame no :- 2.4.2 Agriculture status.*

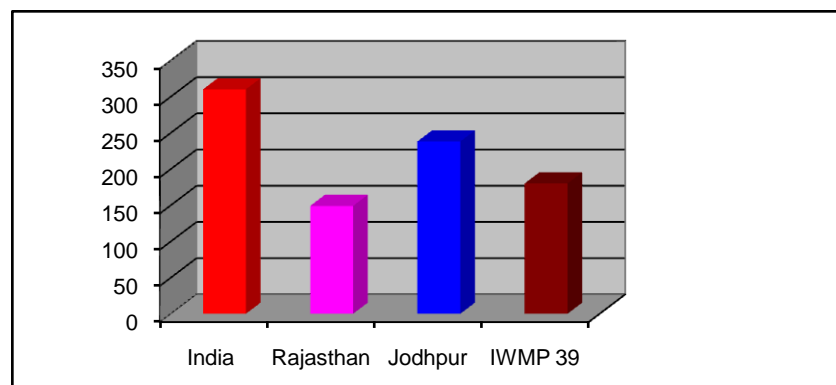
*Wheat Productivity (Kg/Ha)*

Botanical Name		Triticum species	
India	Rajasthan	Jodhpur	IWMP 39
2619	2762	2246	1400



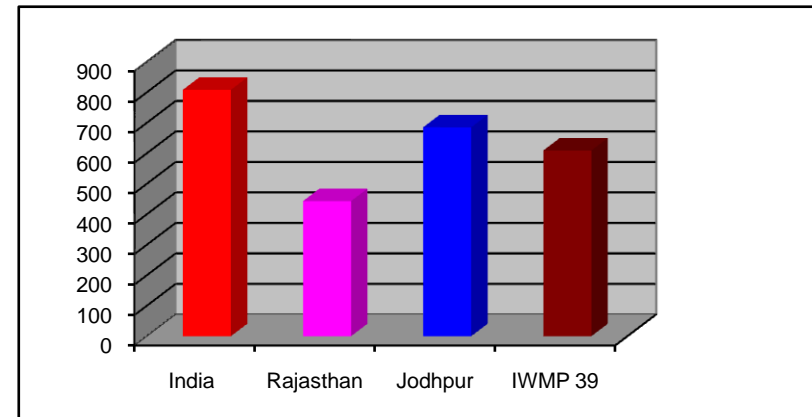
*Sesamum Productivity (Kg/Ha)*

Botanical Name		Sesamum indicum	
India	Rajasthan	Jodhpur	IWMP 39
310	149	238	180



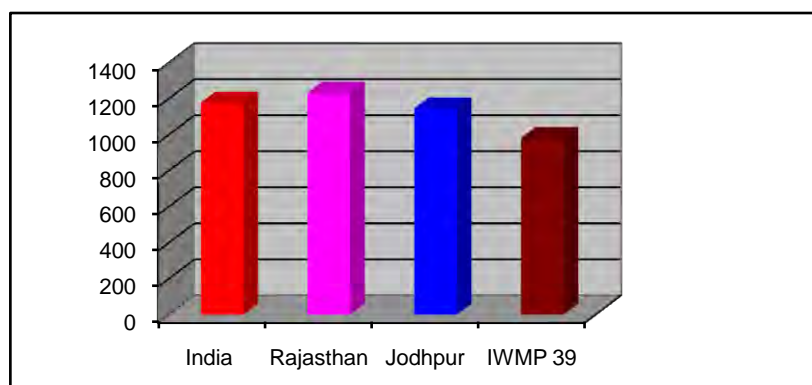
*Gram Productivity (Kg/Ha)*

Botanical Name		Cice arietinum	
India	Rajasthan	Jodhpur	IWMP 39
808	443	685	609



*Musterd Productivity (Kg/Ha)*

Botanical Name		Brassica compestries	
India	Rajasthan	Jodhpur	IWMP 39
1177	1232	1145	980

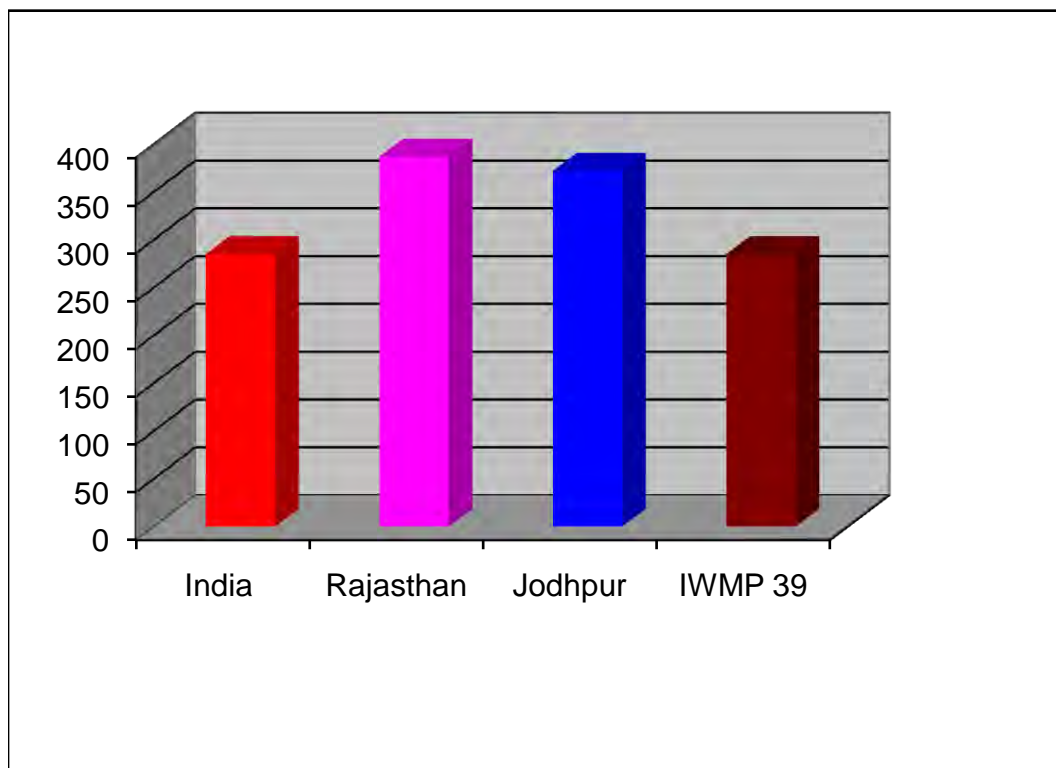


*Comparative Study of Agriculture Productivity for various crops*

*Digrame no :- 2.4.3 Agriculture status.*

*Cumin Productivity (Kg/Ha)*

India	Rajasthan	Jodhpur	IWMP 39
285	387	372	285

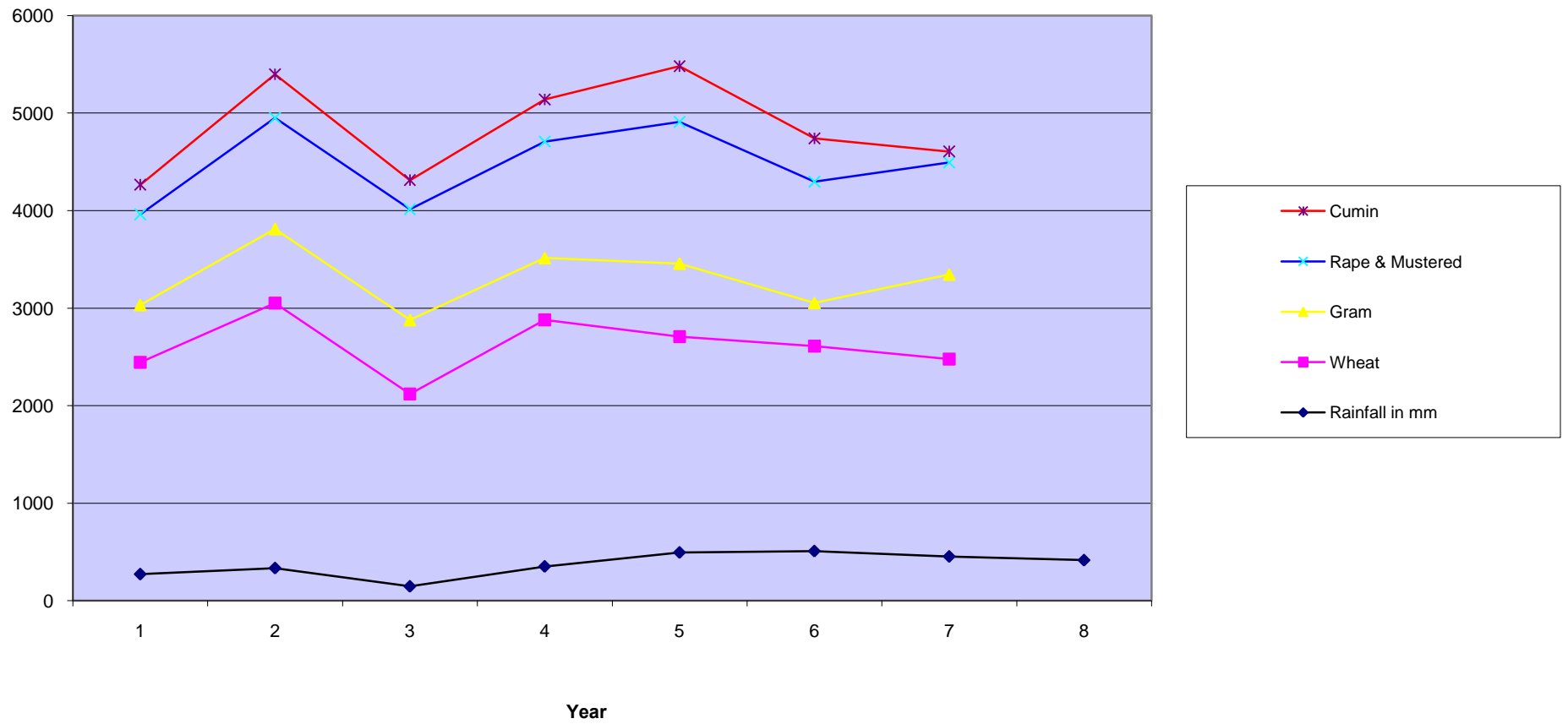


*Comparative Study of Agriculture Productivity for various crops vs Rain Fall*

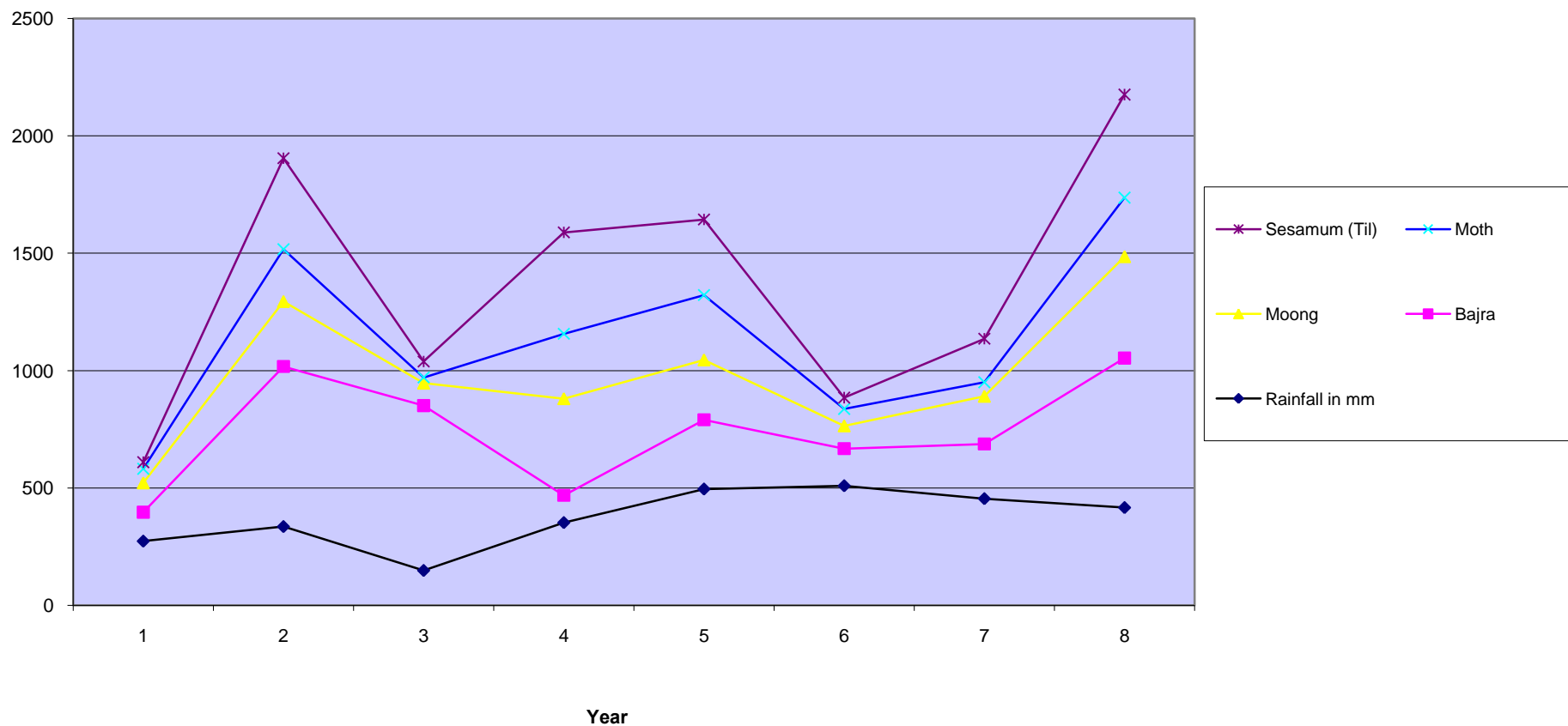
*Digrame no :- 2.4.4 Agriculture status.*

Crop	Yeild	Yeild	Yeild	Yeild	Yeild	Yeild	Yeild	Yeild
	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
Wheat	2171	2717	1971	2528	2213	2101	2023	0
Gram	588	759	759	633	748	443	867	0
Mustered	928	1140	1135	1195	1453	1243	1149	0
Taramira	764	622	735	1067	287	291	524	0
Cumin	304	447	298	431	572	444	113	0
Bajra	123	682	702	116	295	158	233	637
Moong	125	277	96	412	255	97	203	432
Moth	60	222	24	276	276	72	60	251
Sesamum(Til)	28	388	68	432	322	48	185	439
Cotton	1529	1951	1400	2237	2651	2237	3135	0
Rainfall in mm	274	336	149	353	496	510	455	417
No of Ranniy	13	22	12	21	21	26	25	17
Highest Rainfall	85	33	43	66	74	82	97	95

Rabi Yield vs Rain fall



**Kharif Yield vs Rain fall**



## 2.5 Socio-Economic Parameters

*Tabel no. 2.5.2 Existing SHG*

Sr. no.	Name of SHG	No. of Group	No. of Persons	Activity Involved
1	Dairy palan SHG	6	60	Animal Husbandry
2	Mahila SHG	7	70	Agriculture Work
3	Agri work SHG	6	60	Agriculture Work
Total		19	190	

*Tabel no. 2.5.3 Existing UG*

Sr. no.	Name of Activity Done by UG	No. of Persons	Remarks
1	Earthen Bund	8	-
2	Plantation	9	-
3	Tanka	8	-
4	Khadin	8	-
5	Pasture Development	8	-
6	Anicut Construction	9	-
7	Crop Demostration	8	-

58

*Tabel no. 2.5.4 Migration Details*

Name of Water shed	No. of persons migrating	No. of days per year of migration	Major reason(s) for migrating	Distance of destination of migration from the village	Occupation during migration	Income from such Lacs
IWMP 39	143	220	Labour	53	Labour	38

## 2.6 Horticulture status & fuel availability :-

There is no project of horticulture had been started by agriculture department under Rastriya bagwani mission programme. In adjoining W/S of DDP scheme provide horticulture plant to farmers which are full filling there daily needs only. Such that economy or revenue earn is zero. Farmers are full filling there demand of fuel wood by Khejadi & Juli flora which is insufficient. Limited fuel wood available in area. There is no plantation work done to provide fuel wood at lower cost.

### Table no. 2.6.1 Horticulture & fuel availability

Existing area under fuel-wood (ha)	Existing area under fodder (ha)
not available	no pasture managed by villagers

## 2.7 Live Stock Status :-

In the IWMP 39 project, there are 345 Cow 41 Buffalo 1530 Goat 2871 Sheep 6 Bullock & 191 Other are of local breeds like Nagouri & Murra respectively. Availability of surface water, fodder and pasture for these animals reducing day by day. Less number of animals survive by eating crop reduces. No permanent pasture is there. This leads to heavy migration of villagers for grazing sheeps rearing to out of state. Milk production is low in area. There is no dairy co-operative in project area. Not a single liter of milk is available to sell out, out of project area. Insufficient production of milk leads poor health to children.

### Table no. 2.7.1 Live stock status per day milk production

Village	Buffalo		Cow		Goat		Total milk	Sheep	Bullock	Other
	No.	Milk	No.	Milk	No.	Milk				
Mandali	10	30	89	142.4	396	79.2	251.6	743	1	50
Manchitya	13	39	121	193.6	538	107.6	340.2	1010	2	67
Lumbaniya	3	9	31	49.6	137	27.4	86	257	1	17
Rawra	8	24	73	116.8	323	64.6	205.4	606	1	40
Baori Barsinga	7	21	31	49.6	136	27.2	97.8	255	1	17
Total	41	123	345	552	1530	306	981	2871	6	191

## 2.9 NREGA Status :-

**Tabel no. 2.9.1 NREGA Status**

Sr. no.	Name of village	Total no.of job cards	Activity taken in plan 2012-13					
			Category 4 -25		Nadi		Anicut	
			Total	Project area	Total	Project area	Total	Project area
1	Mandali		3	15	1	11	0	0
2	Manchitya		5	25	2	22	0	0
3	Lumbaniya		1	5	1	11	0	0
4	Rawra		3	15	2	22	0	0
3	Baori Barsinga		4	20	1	11	0	0

This DPR proposed activity for category 4 & Anicuts. We will like to convergence with NREGA to work in next year planings.

## 2.10 Development Indicators :-

- 1 Stop surface runoff flowing out side from watershed area.
- 2 Develope pasture land for villagers to full fill there need of fuel, fodder & stop migration.
- 3 Increase productivity per Ha.
- 4 Stablise livelihood supporting activities to support land less labours.
- 5 Divert cropping patterns form traditional system to horticulture and modern agriculture practices.
- 6 Improve water use efficiency by drip & sprinkler irrigation
- 7 Provide potable water for drinking purpose.
- 8 Rise in water table at down stream side to the harvesting structure.

## *Part II - Technical Feature of Project Area*

### *2.11 Revenue Maps :-*

Revenue maps is based on scale 1 : 4000. Revenue records like khasra maps, khasra list has been collected . All records are available at PIA level. Cluster area has been marked by SRSAC, Jodhpur.

### *2.12 Topo Maps / Maps with drainage line :-*

Revenue maps traced on plastic sheets and scanned by SRSAC, Jodhpur.SRSAC, Jodhpur marked all topography, D.L.T. It has been attached to DPR anuxure.

### *2.13 Hydro-Geological maps :-*

Prepared by SRSAC and enclosed with this report

### *2.14 Ground water status and prospect maps :-*

Ground water status of the watershed is over-expolited and critical. As per hydrogeology of the watershed is Malani Rhyolite & Granites. The electrical conductanc is between 4000-6000 microohms/cm at 25 degree C. Depth of Ground Water level, Quality of Ground water, Nitrate Distribution and Fluoride Distribution is as per attached maps.

### *2.15 Slope of watershed area*

*Tabel no. 2.15.1 Area shown in table is slope v/s Area*

Slope Range	Total Area
0 -1 %	1100
1 - 3 %	1150
3 - 5 %	1000
5 - 10 %	1315
10 - 15 %	430
> 15 %	5
Total Area	5000.00

## 2.16 Available surface runoff based on average rainfall

It has been calculated on the basis of Strange's table .

Total average monsoon rainfall 381 mm. per year

**Tabel no. 2.16.1 Total runoff available**

Village	Area	% of runoff to rainfall	yield of runoff from catchment per ha.(cum.)	Total runoff available (Cum)	Type of catchment
Mandali	1335.00	8.9	254.56	339838	Average
Manchitya	1753.00	8.9	254.56	446244	Average
Lumbaniya	471.00	8.9	254.56	119898	Average
Rawra	941.00	8.9	254.56	239541	Average
Baori Barsinga	500.00	8.9	254.56	127280	Average
<b>Total</b>	<b>5000.00</b>	<b>8.9</b>	<b>254.56</b>	<b>1272800</b>	<b>Average</b>

**Total Available Runoff is 1272800 Cum**

## 2.17 Run off tapped in existing structure

According to Base line survey of field only three structure fulfilled in last 10 years such that remaining structure do not require waste weir.

**Tabel no. 2.17.1 Net runoff tapped**

Village	Name of Existing Structure				Storage Capacity in Cum
	Nadi	Anicut	Khadeen	Tanka	
Mandali	2	0	0	10	3200
Manchitya	1	0	1	9	9680
Lumbaniya	0	0	0	10	200
Rawra	1	0	0	11	2720
Baori Barsinga	0	0	5	45	5900
<b>Total runoff tapped</b>					<b>21700</b>

*Tabel no. 2.17.2 Net runoff tapped by Proposed Structure*

Village	No. of proposed Structure				Storage Capacity in Cum
	Nadi	Anicut	Khadeen	Tanka	
Mandali	0	0	2	9	6180
Manchitya	0	0	1	8	7160
Lumbaniya	0	0	1	8	7160
Rawra	0	0	1	8	7160
Baori Barsinga	0	1	4	20	19400
<b>Total runoff tapped</b>					<b>47060</b>

Total Run off trapped = 21700 + 47060 = 68760 cu m

% of Runoff trapped = 5.40 %

## *Problem demand and scope for comprehensive area development*

### *2.20 NRM ( Natural Resource Managment ):-*

As it is clear from the above Calculation that 523984 Cum is excess runoff which goes waste every year resulting in soil erosion and low productivity. This excess water will be trapped by constructing Earthen Bunds, Anicut, Khadins and Tanka's which will result in increase in moisture and water availability in the project area thus increasing productivity of Natural Resources available in the project area.

### *2.21 Agriculture and horticulture productivity gap analysis :-*

Farmers of area using traditional methods for cropping and therefore productivity is below average. They are not using drip & sprinkler irrigation facility to save water. Use of chemical fertilizer for production is also increasing the cost of Production. Therefore sprinkler & drip irrigation facility will be introduced by convergence with Agriculture extension dept. Compost Pit will be constructed by the project fund so that lesser use of Chemical fertilizer will be done by the farmers. Soil Testing will be done and Soil Health Card will be provided to all the farmer of the Project Area. Newsletter published by State Agriculture Department will be subscribed for 1 year to all the farmers of Project Area, this will help farmers to remain updated to latest technology in the field of Agriculture.

### *2.22 Livestock Productivity Gap Analysis:-*

Seasonal Health check up will be conducted of all the Animals of Project Area. To enhance the productivity of the Animals techniques like Artificial Insemination will be used. Fodder Trough will be provided to almost every farmers so that Animals can get clean fodder. Pasture land in tune of 1 to 2 ha is available in continuity in the project area. On such land Silviculture activity will be done by fencing it by barbed wire. This will help in protecting the pasture from *Rojda*

### *2.23 Livelihood & micro enterprises :-*

To overall development of area project connects farmers for various activities to earn money in their free time or regularly. This activity fulfill their regular need as well as earn money by working in microenterprises.

## *CHAPTER – III*

### *WATERSHED ACTIVITIES*

#### *3.1 Preparatory phase activities :*

The main objective of the preparatory phase is to create appropriate mechanism for adoption of participatory approach with the help of watershed development team. To establish the credibility of WDT team and to create a rapport with the villagers the entry point activities have been executed.

##### *3.1.1 Entry point Activities :*

To find the urgent need of the local communities, the Gram Sabhas have been conducted at each Gram Panchayat. So that different works could be identified according to their need. The main theme of Entry Point Activities is to establish credibility of the Watershed Development Team and create a rapport with the village community. After identifying the different works in Gram Sabhas, the following works were executed:

S.No.	Name of the Village	Cost (Rs in lakhs)
1	Mandli	12.852 lacs
2	Manchitiya	13.044 lacs
3	Lumbaniya	4.104 lacs
4	Rawra	
5	Baori Barsinga	

##### *3.1.2 Base Line Survey :*

To access the impact of any watershed development programme a detailed baseline survey has to be conducted. This acts a benchmark for any intervention during and post implementation of any development programme. A detailed baseline survey was undertaken which involved household survey. Household survey includes a detailed questionnaire which was been filled by visiting each and every household in the village. This gave in the details of the demographic profile of the village, the literacy percentage, SC/ST population, number of BPL household, cattle population, various schemes running and their benefits

##### *3.1.3. Capacity Building :*

Capacity building is an important aspect for the successful implementation of watershed development programmes. The relevant training programme will be organized for all the functionaries involved in water shed development. It will be ensured at every level that a majority of the members of SHGs/UGs would be given basic training involving skill up gradation and orientation on the technical and organizational aspects.. Besides training on application on Remote Sensing Technology for generating database for watershed development will be included in the training programme. It has been finalized that the training will be organized by WDT members with the help of local officials of the technical departments. SHGs&UGs would also be taken for visits to Research Stations, demonstration of successful technologies that are relevant to them.

For participatory approach, water shed committee, user groups and self help groups have been formed at each gram panchayat level. During the phase, the watershed development team (4 members) which is also constituted and engaged in the project earlier will facilitate. The capacity building of these different stakeholders on institutional and work related aspects are important part of the project.

#### ***3.1.4. PRA Exercise:***

Participatory Rural Appraisal (PRA) is one of the most important exercises in Watershed Development projects before preparation of Action Plan.. The village wise, ward wise PRA have been conducted with the help of WDT member For village separate maps have been prepared, showing all special features such as nallas, pasture land, roads, dhani's etc. The works have been identified according to beneficiaries need.

### ***3.2. Watershed Development Works***

With the help of WDT, on the basis of the information generated from the bench mark survey of the watershed area and detailed PRA exercise, the detailed watershed development plan for each Gram Panchayat have been prepared. Watershed treatment/ development plan have been prepared for all the arable and non arable land including degraded lands, government and community lands and private lands.

#### ***3.2.1. Conservation measures for arable lands :***

The main problem of the area is the low and erratic rainfall. The conservation measures ment to reduce or prevent sheet erosion. The important principles to be kept in view while planning measures for proper conservation of water are increasing the time of concentration and thereby allowing more runoff water to be absorbed, intercepting the long slope into short ones and protection against damage and to excessive runoff. Bunding is the most effective and widely practiced field measures for controlling or preventing erosion. In broader way it can be defined as series of mechanical barriers to reduce the slope percentage.

**a. Earthen Bund:** Earthen bunds are constructed along the field boundrys in such a way that they are across the slope of the land and are very much along the contours. For the area having slope less than 6 percent and flatter lands with scanty /erratic rainfall earthen bund is practiced to intercept the runoff by embankment whose ends may be closed or open to conserve moisture as well as to reduce the soil erosion. AS per past experience the contour bund can be adopted on all types of relatively permeable soils except the clayey or deep blank cotton soils. The main criterion for spacing of bunds is to intercept the water before it reaches the erosive velocity. The most important factor of it is slope, cropping pattern, soil and conservation practice adopted. While planning of contour bund few things, which is considered: area is bifurcated according to slope, if distance between two bund is more than additional bund is provided in between them, lateral bunds/ hooking is done by extended up to the submerged length at both ends and vertical interval is adjusted according to field boundaries.

**b. Waste weirs:** In order to protect the earthen bund from breaching and the standing crop from damage, masonry outlet structures which can drain away excess water, are constructed where every required.

**c. Gully control structure :** In arable lands, where small rills/ gullies have been formed, then the earthen bunds are constructed at regular intervals.

**d. Tanka:** Round Tanka will be constructed on the arable land with pucca aagor. This will be very usefull to harvest rain water, which will be use for drinking purpose. Horticulture Plants will also be given the owner of the tanka to plant them near this tanka. Some tanka on Non Arable land will also be constructed with or without plantation as per condition.

### *3.2.2. Conservation measures for non arable lands:*

The area which is unsuited to cultivation for agricultural crops and limits their use largely to pasture, forest requires the conservation measures. These waste lands have a great potential for producing fodder, fuel, fiber etc. To protect these lands from further degradation suitable soil and water conservation measures supplemented with proper afforestation is required. Small pathchs of pasture land (area between 1 to 2 ha) is taken for this purpose because no big piece of land was continuously available in the project area.

**a. Contour trenches:** Contour trenches will be excavated along a uniform level across of the slope of the land. Bunds are constructed downstream along the trenches with material taken out of them. The main objective is to create more favorable moisture condition. The contour trenches break the velocity of runoff. Plants are put in the trench along the berm.

**b. Barbed Wire Fencing:** In the watershed area, the available pasture land will be protected by barbed wire fencing. The land available for pasture development is so small, that is why Ditch cum Bund fencing is avoided at the same time graging by Neel Gay, Sheeps and Goat require a proper fencing.

**c. Pasture development :** To mitigate the fodder requirement, 5-7 number of pasture development having size of 1 to 2 ha is proposed. The encroachment is the main problem of pasture development. The pasture land will be developed by fencing the area by barbed wire. Plants and Grass will be sown in the pasture area.

**d. Tanka:** Round Tanka will be constructed on the arable land with pucca aagor. This will be very usefull to harvest rain water, which will be use for drinking purpose.

### *3.2.3. Drainage line treatment :*

The drainage line treatment is very important part of the project.

**a. Concrete and masonry check Dam:** In some places where vegetative measures and simple practice alone are inadequate to handle the concentration of water, permanent masonry structures structure are provided. In the project area these permanent masonry gully control structures will be provided.

**b Water harvesting structures Anicuts:** One big anicut will be constructed in the project area subject to no objection certificate given by the irrigation department.

### *3.3. Production System and Micro Enterprises :*

#### *3.3.1. Production measures for arable :*

To get the more benefit from agriculture crop, it is very important to decrease the cost of cultivation and increase the production. To decrease the cost of cultivation, it is necessary to use complete available land for cultivation, use of latest implements so that time and cost is reduced. Good agriculture management by taking more than one crop in a year can also increase the production. Optimum quantity of fertilizer, insecticides and pesticides should be used. The reduction of chemical fertilizer will also increase the production.

For increasing production of crop, water management also plays an important role. The water should be used according to its quality and also crop should be irrigated according to need/ requirement. The practice of Drip and Sprinkler irrigation will lead to optimum utilization of water.

In the State and Centre Sector schemes, for improvement in production level of different crops and minimize cost of cultivation, various schemes are organized by Agriculture/ Horticulture Department. Farmers will be linked with the schemes of these department.

The activities done under this head from project fund are:

- a. **Crop Demonstration:** Crop Demonstration will be conducted as per the local choice of the farmers.
- b. **Soil Health Card:** Samples of soil will be collected from every field of the project area and get tested from the laboratory of Agriculture Department.
- c. **Newsletter:** All the farmers of project area will be provided free subscription of Newsletter Published by State Argiculture Department for one year.

#### *3.3.2. Production measures for non arable lands :*

In government pasture land is developed by fencing the area by barbed wire and constructing the trenches. In between the trenches grasses are grown and on downstream side of the trenches the forestry/ fuel plants are grown.

The fuel plants on the bunds of the private lands are also with the consultation of the owner, so that cultivators can also get the fuel for his use. Similarly on the bunds the grasses are also grown so the beneficiaries can have the fodder for the livestock.

#### *3.3.3 Live Stock Production Measures:*

- a. **Animal Health Camps:** Animal Health Camp will be organised every year in the project area. This will improve overall health of the animals of project area.
- b. **Artificial Insemination:** Artificial Insemination will be done to improve the breed of th animals in the project area.
- c. **Castration:** Local people will be encouraged to adopt the castration to improve the quality of their animals.
- d. **Vaccination:** Vaccinaiton of all animals will be done in the Health Camps organized in the project area.

**e. Fodder Vessels:** All the Cattles owners of the project area will be provided with the vessels for fodders serving.

#### ***3.3.4. Livelihood activities particularly for asset less person:***

In the project area according to the interest and need livelihood activities will be followed. In individual livelihood activity training of masson, motchi, carpentry, tailoring, bike repairing etc work will be taken up so that their lives could be improved. The training programme of computer hardware/ software, mobile repairing work will also be planned according to the interest and education level of the educated young generation, so that with the seasonal agriculture income of their family, they can supplement the income during non agriculture season.

In every village of the project area, the self help groups of land less persons have also been formed. These groups will be trained according the their interest on different activities like Tailoring, Tomato Sauce Preparation, Honey Bee Production, Compost Pit, Pottery, manihari, kashidakra, masroom production etc, so that their livelihood can be increased. The groups will be trained on agriculture based activities like compost pit, vermi compost, pasture development etc according to their interest, so that they can prepare the product and can use on their own need and cat sell surplus. At the time of PRA, the people of the area have been acquainted with livestock based activities like milk collection booth, dairy, poultry etc.

**Table 3.4.3 Activity wise Total Abstract of Cost**

		Unit Cost	Quantity	Total Cost	Cost from project fund	Convergence Fund	Beneficiary Contribution*
<b>ADMINISTRATIVE COST</b>	10%	-	2	75.000	75.000	0.000	0.000
<b>MONETERING</b>	1%	-	2	7.500	7.500	0.000	0.000
<b>EVALUATION</b>	1%	-	2	7.500	7.500	0.000	0.000
<b>ENTRY POINT ACTIVITY</b>	4%	-	2	30.000	30.000	0.000	0.000
<b>TRAININGS &amp; CAPACITY BUILDING</b>	5%	-	30	37.500	37.500	0.000	0.000
<b>DETAILED PROJECT REPORT</b>	1%	-	2	7.500	7.500	0.000	0.000
<b>TOTAL A</b>			0	165.000	165.000	0.000	0.000
<b>W/S WORK PHASE (Natural resource management (56%))</b>							
Earthen Bund / Structure	No.	92000	309	340.02	310.19	29.83	31.02
Tanka / Farm Pond	No.	146000	46	101.78	55.47	46.31	5.54
Masonary structure	No.	280000	2	8.84	8.84	0.00	0.88
Pasture Development	No.	134000	5	46.00	46.00	0.00	5.00
<b>TOTAL B</b>			0	496.14	420.00	76.14	41.99
<b>LIVELIHOOD ACTIVITIES FOR ASSET LESS PERSON</b>							
TOOLKIT, TRAINING & REVOLVING FUND OF SHG			0	67.50	67.50	0.00	0.00
<b>LIVESTOCK MANAGEMENT</b>							
LIVESTOCK MANAGEMENT	No.	1730.00	18	18.30	12.82	0.00	5.48
<b>PRODUCTION SYSTEM &amp; MICROENTERPRISES</b>							
PRODUCTION SYSTEM & MICROENTERPRISES	No.	13981	88.840	88.84	62.21	0.00	26.63
<b>TOTAL C</b>	-	-	-	174.64	142.53	0.00	32.11
<b>CONSOLIDATED PHASE</b>	3%	-	2	22.50	22.50	0.00	0.00
<b>GRAND TOTAL</b>	-	-	-	782.12	750.00	76.14	41.99

\* Tentative and will vary during execution according to beneficiary

**Table 3.4.4 Yearwise planning of Project Activity for Watershed Jodhpur 39**

<b>Name of the W. C.</b>	-			<b>Macro/Micro</b>					<b>Geographical Area</b>	Ha						
<b>Project</b>	Jodhpur 39 IWMP			<b>Scheme</b>	IWMP				<b>Effective Area</b>	5000 Ha						
<b>Block</b>	Bap			<b>Date of Sanction</b>					<b>Total Arable land</b>	Ha						
<b>District.</b>	Jodhpur			<b>Date of Approval of the work plan</b>					<b>1. Irrigated</b>	0.0 Ha						
<b>Village Covered</b>	3	NO.		<b>No. of SHG's formed</b>	27				<b>2. Unirrigated</b>	4274.0 Ha						
<b>Project outlay</b>	750.00	LAC		<b>No. of UG's formed</b>	56				<b>Total Nonarable land</b>	Ha						
<b>Total Area</b>	5000.00	Hactare							<b>1. Pasture</b>	354.0 Ha						
<b>No. of WC's formed</b>	1								<b>2. Govt. / waste /OTHER LANI</b>	372.0 Ha						
<b>YEARWISE WORK PLAN OF WATERSHED COMMITTEE</b>																
S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
<b>I.</b>	<b>ADMINISTRATIVE COST</b>	<b>10%</b>	<b>75</b>													
1	WDT MANDEYA & OFFICE EXP OF PIA			37.500												<b>37.500</b>
2	W C SEC MANDEYA & OFFICE EXP OF WC			37.500												<b>37.500</b>
	<b>SUB TOTAL</b>			<b>75.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>75.000</b>
<b>II</b>	<b>MONETERING</b>	<b>1%</b>	<b>7.500</b>	7.500												<b>7.500</b>
<b>III</b>	<b>EVALUATION</b>	<b>1%</b>	<b>7.500</b>	7.500												<b>7.500</b>
	<b>TOTAL</b>			<b>90.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>90.000</b>
	<u>W/S PREPARATORY PHASE</u>															
<b>IV</b>	<b>ENTRY POINT ACTIVITY</b>	<b>4%</b>	<b>30.000</b>	30.000												
1	G L R	22	175000.0	17.760											<b>0</b>	<b>17.760</b>
2	Water harwesting structure	4	89000	5.200											<b>0</b>	<b>5.200</b>
3	Solar Light	32		7.040												<b>7.040</b>
	<b>TOTAL</b>			<b>30.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>30.000</b>
<b>V</b>	<b>TRAININGS &amp; CAPACITY BUILDING</b>	<b>5%</b>	<b>37.500</b>													
1	<b>USERS GROUP</b>															
(i)	KHARIF	25		6.100											<b>25</b>	<b>6.100</b>
(ii)	RABI	25		6.100											<b>25</b>	<b>6.100</b>
(iii)	HORTICULTURE	25		6.100											<b>25</b>	<b>6.100</b>

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
(iv)	PASTURE DEVELOPMENT	20		4.500											20	4.500
2	OTHERS TRAINING & CO	138		14.702											138	14.702
<b>TOTAL</b>				<b>37.502</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>233</b>	<b>37.502</b>
<b>VI</b>	<b>DETAILED PROJECT REPORT</b>	<b>1%</b>	<b>7.500</b>	<b>7.500</b>	<b>1</b>	<b>7.500</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>7.500</b>
			<b>8</b>	<b>7.500</b>	<b>1</b>	<b>7.500</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>	<b>1</b>	<b>7.500</b>
<b>TOTAL</b>				<b>75.002</b>	<b>7.500</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1</b>	<b>75.002</b>
<u>W/S WORK PHASE</u>																
<b>VII</b>	<b>NRM</b>	<b>56%</b>	<b>420.000</b>	<b>0.000</b>												
(i)	Earthen Bund up to 1 ha & 1% Slope	133	92000	122.360	30	27.416	31	28.888	29	27.048	22	19.872	21	19.136	133	122.360
	Earthen Bund up to 3 ha & 1% Slope	42	137000	57.540	11	15.344	11	14.522	9	11.782	7	10.138	4	5.754	42	57.540
	Earthen Bund up to 5 ha & 1% Slope	14	185000	25.900	5	9.250	4	7.400	2	3.700	1	1.850	2	3.700	14	25.900
	Earthen Bund up to 10 ha & 1% Slope	5	211000	10.550	2	4.220	1	2.110	1	2.110	1	2.110	0	0.000	5	10.550
	Earthen Bund up to 1 ha & 1% to 3% Slope	0	85000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 3 ha & 1% to 3% Slope	0	119000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 5 ha & 1% to 3% Slope	0	158000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 10 ha & 1% to 3% Slope	0	188000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 1 ha & 3% to 5% Slope	0	60000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 3 ha & 3% to 5% Slope	1	94000	2.696	0	0.000	1	2.696	0	0.000	0	0.000	0	0.000	1	2.696
	Earthen Bund up to 5 ha & 3% to 5% Slope	114	102000	91.144	27	21.588	25	19.988	25	19.988	22	17.587	15	11.993	114	91.144
(ii)	Tanka 25000 lit Capacity	41	146000	47.420	17	18.272	8	10.370	8	9.716	4	4.531	4	4.531	41	47.42
(iii)	Tanka 35000 lit Capacity	5	161000	8.050	0	0.000	3	4.830	2	3.220	0	0.000	0	0.000	5	8.050
(iv)	Manary structure Type 1	0	280000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(v)	Manary structure Type 2	0	321000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(vi)	Manary structure Type 3	1	377000	3.830	0	0.000	1	3.830	0	0.000	0	0.000	0	0.000	1	3.830
(vii)	Manary structure Type 4	1	501000	5.010	0	0.000	0	0.000	1	5.010	0	0.000	0	0.000	1	5.010

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		TOTAL	
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
(viii)	Pasture Development 1 ha	1	134000	1.340	0	0.000	0	0.000	0	0.000	0	0.000	1	1.340	1	1.340
(ix)	Pasture Development 2 ha	0	268000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(x)	Pasture Development 3 ha	1	402000	4.020	0	0.000	0	0.000	0	0.000	0	0.000	1	4.020	1	4.020
(xi)	Pasture Development 10 ha	3	1338000	40.140	0	0.000	1	17.394	0	4.014	0	2.676	1	16.056	3	40.140
<b>TOTAL</b>		<b>362</b>		<b>420.00</b>	<b>92</b>	<b>96.09</b>	<b>86</b>	<b>112.03</b>	<b>77</b>	<b>86.59</b>	<b>57</b>	<b>58.76</b>	<b>49</b>	<b>66.53</b>	<b>362</b>	<b>420.00</b>
<b>VIII</b>	<b>LIVELIHOOD ACTIVITIES FOR ASSET LESS PERSON</b>		<b>67.500</b>													
<b>1</b>	<b>Revolving fund to SHG</b>	<b>162</b>	<b>25000.000</b>	<b>40.500</b>	32	8.000	32	8.100	32	8.100	32	8.100	33	8.200	<b>161</b>	<b>40.501</b>
<b>2</b>	<b>Revolving fund to Individual</b>	<b>27</b>	<b>25000.000</b>	<b>6.750</b>	6	1.500	6	1.350	6	1.350	5	1.350	4	1.200	<b>27</b>	<b>6.750</b>
<b>3</b>	Grant add to Fedration of SHG			<b>20.250</b>	0	0.000	317	0.000	0	20.251	0	0.000	0	0.000	<b>317</b>	<b>20.251</b>
				<b>67.500</b>		<b>9.500</b>		<b>9.450</b>		<b>29.701</b>		<b>9.450</b>		<b>9.400</b>	<b>505</b>	<b>67.500</b>
<b>IX</b>	<b>PRODUCTION SYSTEM &amp; MICROENTERPRISES</b>		<b>75.000</b>													
<b>1</b>	Crop Demo. Kharif	1585	1165	18.466	317	3.694	317	3.694	317	3.694	317	3.693	317	3.693	<b>1585</b>	<b>18.468</b>
<b>2</b>	Crop Demo Rabi	130	1718	2.234	26	0.447	26	0.447	26	0.447	26	0.448	26	0.446	<b>130</b>	<b>2.235</b>
<b>3</b>	Soil Testing	1028	49	0.503	206	0.100	206	0.100	206	0.100	206	0.101	204	0.102	<b>1028</b>	<b>0.503</b>
<b>4</b>	Compost Pit	688	630	4.334	138	0.869	138	0.869	138	0.869	138	0.869	136	0.857	<b>688</b>	<b>4.336</b>
<b>5</b>	Horticulture Plantation	4350	693	30.146	870	6.029	870	6.029	870	6.029	870	6.029	870	6.028	<b>4350</b>	<b>30.144</b>
<b>6</b>	Agro Forestry or Horticulture plantation backyard	6200	105	6.510	1240	1.302	1240	1.302	1240	1.302	1240	1.302	1240	1.302	<b>6200</b>	<b>6.510</b>
	<b>LIVESTOCK MANAGEMENT</b>															
<b>7</b>	Animal Health Camp	80	9800	7.840	16	1.568	16	1.568	16	1.568	16	1.568	16	1.568	<b>80</b>	<b>7.840</b>
<b>8</b>	Artificial Insemination	990	35	0.347	198	0.069	198	0.069	198	0.069	198	0.070	198	0.070	<b>990</b>	<b>0.347</b>
<b>9</b>	Animal Fodder Feed Vessel	660	700	4.620	132	0.924	132	0.924	132	0.924	132	0.924	132	0.924	<b>660</b>	<b>4.620</b>
<b>TOTAL</b>		<b>15711</b>		<b>75.000</b>		<b>15.002</b>		<b>15.002</b>		<b>15.002</b>		<b>15.004</b>		<b>14.990</b>	<b>13981</b>	<b>75.000</b>
<b>X</b>	<b>CONSOLIDATED PHASE</b>	<b>3%</b>	<b>22.500</b>	<b>22.500</b>								<b>13.500</b>		<b>9.000</b>		<b>22.500</b>
<b>GRAND TOTAL</b>				<b>750.00</b>		<b>128.09</b>		<b>136.48</b>		<b>131.29</b>		<b>96.72</b>		<b>99.92</b>		<b>750.00</b>

**Table 3.4.2 Proposed Development Plan / Convergence plan of Project**

<b>(A)</b>							
Activity	Unit	Unit Cost	Total				
			Quantity	Total Cost	Cost from project fund	Convergence Fund	Beneficiary Contribution
<b>ADMINISTRATIVE COST</b>	10%	-	2	75.00	75.00	0.00	0.00
<b>MONETERING</b>	1%	-	2	7.50	7.50	0.00	0.00
<b>EVALUATION</b>	1%	-	2	7.50	7.50	0.00	0.00
<b>ENTRY POINT ACTIVITY</b>	4%	-	2	30.00	30.00	0.00	0.00
<b>TRAININGS &amp; CAPACITY BUILDING</b>	5%	-	30	37.50	37.50	0.00	0.00
<b>DETAILED PROJECT REPORT</b>	1%	-	2	7.50	7.50	0.00	0.00
<b>TOTAL A</b>				<b>165.00</b>	<b>165.00</b>	<b>0.00</b>	<b>0.00</b>
<b><u>W/S WORK PHASE (Natural resource management (56%))</u></b>							
Earthen Bund up to 1 ha & 1% Slope	No.	92000	133	122.36	122.36	20.24	12.24
Earthen Bund up to 3 ha & 1% Slope	No.	137000	42	57.54	57.54	0.00	5.75
Earthen Bund up to 5 ha & 1% Slope	No.	185000	14	25.90	25.90	0.00	2.59
Earthen Bund up to 10 ha & 1% Slope	No.	211000	5	10.55	10.55	0.00	1.06
Earthen Bund up to 1 ha & 1% to 3% Slope	No.	85000	0	0.00	0.00	4.25	0.00
Earthen Bund up to 3 ha & 1% to 3% Slope	No.	119000	0	0.00	0.00	0.00	0.00
Earthen Bund up to 5 ha & 1% to 3% Slope	No.	158000	0	0.00	0.00	1.58	0.00
Earthen Bund up to 10 ha & 1% to 3% Slope	No.	188000	0	0.00	0.00	3.76	0.00

Earthen Bund up to 1 ha & 3% to 5% Slope	No.	60000	0	0.00	0.00	0.00	0.00
Earthen Bund up to 3 ha & 3% to 5% Slope	No.	94000	1	2.70	2.70	0.00	0.27
Earthen Bund up to 5 ha & 3% to 5% Slope	No.	102000	114	91.14	91.14	0.00	9.11
Tanka 25000 lit Capacity	No.	146000	41	47.42	47.42	35.04	4.74
Tanka 35000 lit Capacity	No.	161000	5	8.05	8.05	11.27	0.80
Manary structure Type 1	No.	280000	0	0.00	0.00	0.00	0.00
Manary structure Type 2	No.	321000	0	0.00	0.00	0.00	0.00
Manary structure Type 3	No.	377000	1	3.83	3.83	0.00	0.38
Manary structure Type 4	No.	501000	1	5.01	5.01	0.00	0.50
Pasture Development 1 ha	No.	134000	1	1.34	1.34	0.00	0.13
Pasture Development 2 ha	No.	268000	0	0.00	0.00	0.00	0.00
Pasture Development 3 ha	No.	402000	1	4.02	4.02	0.00	0.40
Pasture Development 10 ha	No.	1338000	3	40.14	40.14	0.00	4.02
<b>TOTAL B</b>				420.00	420.00	76.14	41.99
<b>LIVELIHOOD ACTIVITIES FOR ASSET LESS PERSON</b>							
TOOLKIT, TRAINING & REVOLVING FUND OF SHG			0	67.50	67.50	0.00	0.00
<b>LIVESTOCK MANAGEMENT</b>							
	No.	14000	80	11.20	7.84	0.00	3.36
Artificial Insemination	No.	50	990	0.50	0.36	0.00	0.14
Animal Fodder Feed Vessel	No.	1000	660	6.60	4.62	0.00	1.98

<b>PRODUCTION SYSTEM &amp; MICROENTERPRISES</b>							
Crop Demo. Kharif	No.	1664	1585	26.37	18.46	0.00	7.91
Crop Demo Rabi	No.	2454	130	3.19	2.23	0.00	0.96
Soil Testing	No.	70	1028	0.72	0.51	0.00	0.21
Compost Pit	No.	900	688	6.19	4.34	0.00	1.85
Horticulture Plantation	No.	990	4350	43.07	30.15	0.00	12.92
Agro Forestry or Horticlyure plantation backyard	No.	150	6200	9.30	6.52	0.00	2.78
<b>TOTAL C</b>	-	-	-	<b>174.64</b>	<b>142.53</b>	<b>0.00</b>	<b>32.11</b>
<b>CONSOLIDATED PHASE</b>	3%	-	2	22.50	22.50	0.00	0.00
<b>GRAND TOTAL</b>	-	-	-	<b>782.12</b>	<b>750.00</b>	<b>76.14</b>	<b>74.10</b>

**Table 3.4.1 Proposed Development Plan / Convergence plan of Project**

<b>Preparatory Phase activities capacity building training &amp; EPA</b>												
(A) Activity	Unit	Unit Cost	GP Bari Seer					GP Sanwaragaon				
			Quantity	Total Cost	Cost from project fund	Convergence Fund	Beneficiary Contribution	Quantity	Total Cost	Cost from project fund	Convergence Fund	Beneficiary Contribution
<b>ADMINISTRATIVE COST</b>	10% -		1	7.5	7.500	0	0	1	67.5	67.500	0	0
<b>MONETERING</b>	1% -		1	0.75	0.750	0	0	1	6.75	6.750	0	0
<b>EVALUATION</b>	1% -		1	0.75	0.750	0	0	1	6.75	6.750	0	0
<b>ENTRY POINT ACTIVITY</b>	4% -		1	3	3.000	0	0	1	27	27.000	0	0
<b>TRAININGS &amp; CAPACITY BUILDING</b>	5% -		15	3.75	3.750	0	0	15	33.75	33.750	0	0
<b>DETAILED PROJECT REPORT</b>	1% -		1	0.75	0.750	0	0	1	6.75	6.750	0	0
<b>TOTAL A</b>				<b>16.500</b>	<b>16.500</b>	<b>0.000</b>	<b>0.000</b>		<b>148.500</b>	<b>148.500</b>	<b>0.000</b>	<b>0.000</b>
<b>W/S WORK PHASE (Natural resource management (56%))</b>												
Earthen Bund up to 1 ha & 1% Slope	No.	92000	8	7.36	7.360	4.6	0.74	125	115.00	115.000	15.64	11.5
Earthen Bund up to 3 ha & 1% Slope	No.	137000	2	2.74	2.740	0	0.27	40	54.80	54.800	0	5.48
Earthen Bund up to 5 ha & 1% Slope	No.	185000	0	0.00	0.000	0	0	14	25.90	25.900	0	2.59
Earthen Bund up to 10 ha & 1% Slope	No.	211000	0	0.00	0.000	0	0	5	10.55	10.550	0	1.06
Earthen Bund up to 1 ha & 1% to 3% Slope	No.	85000	0	0.00	0.000	0	0	0	0.00	0.000	4.25	0
Earthen Bund up to 3 ha & 1% to 3% Slope	No.	119000	0	0.00	0.000	0	0	0	0.00	0.000	0	0
Earthen Bund up to 5 ha & 1% to 3% Slope	No.	158000	0	0.00	0.000	0	0	0	0.00	0.000	1.58	0
Earthen Bund up to 10 ha & 1% to 3% Slope	No.	188000	0	0.00	0.000	0	0	0	0.00	0.000	3.76	0

Earthen Bund up to 1 ha & 3% to 5% Slope	No.	60000	0	0.00	0.000	0	0	0	0.00	0.000	0	0
Earthen Bund up to 3 ha & 3% to 5% Slope	No.	94000	0	0.00	0.000	0	0	1	2.70	2.696	0	0.27
Earthen Bund up to 5 ha & 3% to 5% Slope	No.	102000	0	0.00	0.000	0	0	114	91.14	91.144	0	9.11
Tanka 25000 lit Capacity	No.	146000	19	15.30	15.300	10.22	1.53	22	32.12	32.120	24.82	3.21
Tanka 35000 lit Capacity	No.	161000	2	3.22	3.220	3.22	0.32	3	4.83	4.830	8.05	0.48
Manary structure Type 1	No.	280000	0	0.00	0.000	0	0	0	0.00	0.000	0	0
Manary structure Type 2	No.	321000	0	0.00	0.000	0	0	0	0.00	0.000	0	0
Manary structure Type 3	No.	377000	0	0.00	0.000	0	0	1	3.83	3.830	0	0.38
Manary structure Type 4	No.	501000	0	0.00	0.000	0	0	1	5.01	5.010	0	0.5
Pasture Development 1 ha	No.	134000	0	0.00	0.000	0	0	1	1.34	1.340	0	0.13
Pasture Development 2 ha	No.	268000	0	0.00	0.000	0	0	0	0.00	0.000	0	0
Pasture Development 3 ha	No.	402000	0	0.00	0.000	0	0	1	4.02	4.020	0	0.4
Pasture Development 10 ha	No.	1338000	1	13.38	13.380	0	1.34	2	26.76	26.760	0	2.68
<b>TOTAL B</b>				<b>42.000</b>	<b>42.000</b>	<b>18.04</b>	<b>4.200</b>		<b>378.0</b>	<b>378.0</b>	<b>58.10</b>	<b>37.790</b>
<b>LIVELIHOOD ACTIVITIES FOR ASSET LESS PERSON</b>												
TOOLKIT, TRAINING & REVOLVING FUND OF SHG				6.75	6.75	0	0	0	60.75	60.752	0	0
<b>LIVESTOCK MANAGEMENT</b>												
Animal Helth Camp	No.	14000	10	1.40	0.98	0.00	0.42	70	9.80	6.86	0.00	2.94
Artificial Insemination	No.	50	100	0.05	0.04	0.00	0.01	890	0.45	0.32	0.00	0.13
Animal Fodder Feed Vessel	No.	1000	80	0.80	0.56	0.00	0.24	580	5.80	4.06	0.00	1.74

<b>PRODUCTION SYSTEM &amp; MICROENTERPRISES</b>												
Crop Demo. Kharif	No.	1664	35	0.58	0.41	0.00	0.17	1550	25.79	18.05	0.00	7.74
Crop Demo Rabi	No.	2454	70	1.72	1.20	0.00	0.52	60	1.47	1.03	0.00	0.44
Soil Testing	No.	70	105	0.07	0.05	0.00	0.02	923	0.65	0.46	0.00	0.19
Compost Pit	No.	900	120	1.08	0.76	0.00	0.32	568	5.11	3.58	0.00	1.53
Horticulture Plantation	No.	990	400	3.96	2.77	0.00	1.19	3950	39.11	27.38	0.00	11.73
Agro Forestry or Horticlyure plantation backyard	No.	150	700	1.05	0.74	0.00	0.31	5500	8.25	5.78	0.00	2.47
<b>TOTAL C</b>	-	-	-	<b>17.46</b>	<b>14.26</b>	<b>0</b>	<b>3.2</b>	-	<b>157.18</b>	<b>128.27</b>	<b>0</b>	<b>28.91</b>
<b>CONSOLIDATED PHASE</b>	3%	-	1	2.25	2.25	0	0	1	20.25	20.25	0	0
<b>GRAND TOTAL</b>	-	-	-	<b>78.21</b>	<b>75.00</b>	<b>18.04</b>	<b>7.40</b>	-	<b>703.9</b>	<b>675.00</b>	<b>58.10</b>	<b>66.70</b>

**Table 3.4.6 Yearwise planning of Project Activity for Gram Panchyat Sanwara Gaon**

<b>Name of the W. C.</b>	<b>Sanwara Gaon</b>		<b>Macro/Micro</b>	<b>Cluster</b>	<b>Geographical Area</b>		<b>Ha</b>
<b>Village Name</b>	All		<b>Scheme</b>	IWMP	<b>Effective Area</b>		4500 Ha
<b>Block</b>	Bap		<b>Date of Sanction</b>		<b>Total Arable land</b>		Ha
<b>District.</b>	Jodhpur		<b>Date of Apvoal of the</b>		<b>1. Irrigated</b>		0 Ha
<b>Village Covered</b>	1	NO.	<b>work plan</b>		<b>2. Unirrigated</b>		3858 Ha
<b>Project outlay</b>	675	LAC	<b>No. of SHG's formed</b>		<b>Total Nonarable land</b>		Ha
<b>Total Area</b>	4500.00	Hactare	<b>No. of UG's formed</b>		<b>1. Pasture</b>		314 Ha
<b>No. of WC's formed</b>	1				<b>2. Govt. / waste /OTHER LANI</b>		328 Ha

<b>YEARWISE WORK PLAN OF WATERSHED COMMITTEE</b>																
S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
<b>I.</b>	<b>ADMINISTRATIVE COST</b>	<b>10%</b>	<b>67.5</b>													
1	WDT MANDEYA & OFFICE EXP OF PIA			33.750												33.750
2	W C SEC MANDEYA & OFFICE EXP OF WC			33.750												33.750
	<b>SUB TOTAL</b>			<b>67.500</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>67.500</b>
<b>II</b>	<b>MONETERING</b>	<b>1%</b>	<b>6.750</b>	6.750												<b>6.750</b>
<b>III</b>	<b>EVALUATION</b>	<b>1%</b>	<b>6.750</b>	6.750												<b>6.750</b>
	<b>TOTAL</b>			<b>81.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>81.000</b>
	<b>W/S PREPARATORY PHASE</b>															
<b>IV</b>	<b>ENTRY POINT ACTIVITY</b>	<b>4%</b>	<b>27.000</b>	0.000												
1	Tanka cum Water Hut	19	80000	15.200												19 15.200
2	RHS Gram Building	4	260000	5.200												0 5.200
3	Solar Light	30	22004	6.600												30 6.600
	<b>TOTAL</b>			<b>27.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>27.000</b>
<b>V</b>	<b>TRAININGS &amp; CAPACITY BUILDING</b>	<b>5%</b>	<b>33.750</b>													
1	<b>USERS GROUP</b>															
(i)	KHARIF	20		5.300												20 5.300
(ii)	RABI	20		5.300												20 5.300
(iii)	HORTICULTURE	20		5.300												20 5.300
(iv)	PASTURE DEVLOPMENT	16		4.200												16 4.200

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
2	OTHERS TRAINING & CO	117		13.652											117	13.652
<b>TOTAL</b>				<b>33.752</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>193</b>	<b>33.752</b>
<b>VI</b>	<b>DETAILED PROJECT REPORT</b>	<b>1%</b>	<b>6.750</b>	<b>6.750</b>	<b>1</b>	<b>6.750</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>6.750</b>
			<b>7</b>	<b>6.750</b>	<b>1</b>	<b>6.750</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>	<b>1</b>	<b>6.750</b>
<b>TOTAL</b>				<b>67.502</b>		<b>6.750</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>67.502</b>
<u>W/S WORK PHASE</u>																
<b>VII</b>	<b>NRM</b>	<b>56%</b>	<b>378.000</b>	<b>0.000</b>												
(i)	Earthen Bund up to 1 ha & 1% Slope	125	92000	115.000	29	26.680	29	26.680	27	24.840	20	18.400	20	18.400	125	115.000
	Earthen Bund up to 3 ha & 1% Slope	40	137000	54.800	11	15.070	10	13.700	8	10.960	7	9.590	4	5.480	40	54.800
	Earthen Bund up to 5 ha & 1% Slope	14	185000	25.900	5	9.250	4	7.400	2	3.700	1	1.850	2	3.700	14	25.900
	Earthen Bund up to 10 ha & 1% Slope	5	211000	10.550	2	4.220	1	2.110	1	2.110	1	2.110	0	0.000	5	10.550
	Earthen Bund up to 1 ha & 1% to 3% Slope	0	85000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 3 ha & 1% to 3% Slope	0	119000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 5 ha & 1% to 3% Slope	0	158000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 10 ha & 1% to 3% Slope	0	188000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 1 ha & 3% to 5% Slope	0	60000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 3 ha & 3% to 5% Slope	1	94000	2.696	0	0.000	1	2.696	0	0.000	0	0.000	0	0.000	1	2.696
(ii)	Tanka 25000 lit Capacity storage tank	114	80055	91.144	27	21.588	25	19.988	25	19.988	22	17.587	15	11.993	114	91.144
(ii)	Tanka 25000 lit Capacity	22	146000	32.120	7	10.220	6	8.760	5	7.300	2	2.920	2	2.920	22	32.120
(iii)	Tanka 35000 lit Capacity	3	161000	4.830	0	0.000	2	3.220	1	1.610	0	0.000	0	0.000	3	4.830
(iv)	Manary structure Type 1	0	280000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(v)	Manary structure Type 2	0	321000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(vi)	Manary structure Type 3	1	377000	3.830	0	0.000	1	3.830	0	0.000	0	0.000	0	0.000	1	3.830
(vii)	Manary structure Type 4	1	501000	5.010	0	0.000	0	0.000	1	5.010	0	0.000	0	0.000	1	5.010
(viii)	Pasture Development 1 ha	1	134000	1.340	0	0.000	0	0.000	0	0.000	0	0.000	1	1.340	1	1.340

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
(ix)	Pasture Development 2 ha	0	268000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(x)	Pasture Development 3 ha	1	402000	4.020	0	0.000	0	0.000	0	0.000	0	0.000	1	4.020	1	4.020
(xi)	Pasture Development 10 ha	2	1338000	26.760	0	0.000	1	13.380	0	0.000	0	0.000	1	13.380	2	26.760
<b>TOTAL</b>		<b>330</b>		<b>378.00</b>	<b>81</b>	<b>87.03</b>	<b>80</b>	<b>101.76</b>	<b>70</b>	<b>75.52</b>	<b>53</b>	<b>52.46</b>	<b>46</b>	<b>61.23</b>	<b>330</b>	<b>378.00</b>
<b>VIII</b>	<b>LIVELIHOOD ACTIVITIES FOR ASSET LESS PERSON</b>	<b>9%</b>	<b>60.750</b>													
<b>1</b>	<b>Revolving fund to SHG</b>	145	<b>25000</b>	36.451	29	7.250	29	7.290	29	7.290	29	7.290	29	7.330	<b>145</b>	<b>36.451</b>
<b>2</b>	<b>Revolving fund to Individul</b>	24	<b>25000</b>	6.075	5	1.250	5	1.215	5	1.215	5	1.215	4	1.180	<b>24</b>	<b>6.075</b>
<b>3</b>	<b>Grant add to Fedration of SHG</b>			18.226	0	0.000	310	0.000	0	18.226	0	0.000	0	0.000	<b>310</b>	<b>18.226</b>
				<b>60.752</b>		<b>8.500</b>		<b>8.505</b>		<b>26.731</b>		<b>8.505</b>		<b>8.510</b>	<b>479.000</b>	<b>60.752</b>
<b>IX</b>	<b>PRODUCTION SYSTEM &amp; MICROENTERPRISES</b>	<b>10%</b>	<b>67.500</b>													
<b>1</b>	<b>Crop Demo. Kharif</b>	1550	1165	18.058	310	3.612	310	3.612	310	3.612	310	3.611	310	3.611	<b>1550</b>	<b>18.058</b>
<b>2</b>	<b>Crop Demo Rabi</b>	60	1718	1.031	12	0.206	12	0.206	12	0.206	12	0.207	12	0.206	<b>60</b>	<b>1.031</b>
<b>3</b>	<b>Soil Testing</b>	923	49	0.452	185	0.090	185	0.090	185	0.090	185	0.091	183	0.091	<b>923</b>	<b>0.452</b>
<b>4</b>	<b>Compost Pit</b>	568	630	3.578	114	0.718	114	0.718	114	0.718	114	0.718	112	0.706	<b>568</b>	<b>3.578</b>
<b>5</b>	<b>Horticulture Plantation</b>	3950	693	27.374	790	5.475	790	5.475	790	5.475	790	5.475	790	5.474	<b>3950</b>	<b>27.374</b>
<b>6</b>	<b>Agro Forestry or Horticylure plantation backyard</b>	5500	105	5.775	1100	1.155	1100	1.155	1100	1.155	1100	1.155	1100	1.155	<b>5500</b>	<b>5.775</b>
<b>LIVESTOCK MANAGEMENT</b>																
<b>7</b>	<b>Animal Health Camp</b>	70	9800	6.860	14	1.372	14	1.372	14	1.372	14	1.372	14	1.372	<b>70</b>	<b>6.860</b>
<b>8</b>	<b>Artificial Insemination</b>	890	35	0.312	178	0.062	178	0.062	178	0.062	178	0.063	178	0.063	<b>890</b>	<b>0.312</b>
<b>9</b>	<b>Animal Fodder Feed Vessel</b>	580	700	4.060	116	0.812	116	0.812	116	0.812	116	0.812	116	0.812	<b>580</b>	<b>4.060</b>
<b>TOTAL</b>		<b>14091</b>		<b>67.500</b>		<b>13.502</b>		<b>13.502</b>		<b>13.502</b>		<b>13.504</b>		<b>13.490</b>	<b>12551</b>	<b>67.500</b>
<b>X</b>	<b>CONSOLIDATED PHASE</b>	<b>3%</b>	<b>20.250</b>	<b>20.250</b>								<b>12.150</b>		<b>8.100</b>		<b>20.250</b>
<b>GRAND TOTAL</b>				<b>675.00</b>		<b>115.78</b>		<b>123.77</b>		<b>115.75</b>		<b>86.62</b>		<b>91.33</b>		<b>675.00</b>

**Table 3.4.5 Yearwise planning of Project Activity for Village Bari Seer**

<b>Name of the W. C.</b>	<b>Bari Seer</b>		<b>Macro/Micro</b>		<b>Geographical Area</b>	Ha
<b>Village Name</b>	Baori Barsingha		<b>Scheme</b>	IWMP	<b>Effective Area</b>	500 Ha
<b>Block</b>	Bap		<b>Date of Sanction</b>		<b>Total Arable land</b>	Ha
<b>District.</b>	Jodhpur		<b>Date of Apvoal of the</b>		<b>1. Irrigated</b>	0 Ha
<b>Village Covered</b>	1	NO.	<b>work plan</b>		<b>2. Unirrigated</b>	416 Ha
<b>Project outlay</b>	75	LAC	<b>No. of SHG's formed</b>	7	<b>Total Nonarable land</b>	Ha
<b>Total Area</b>	500.00	Hactare	<b>No. of UG's formed</b>	15	<b>1. Pasture</b>	40 Ha
<b>No. of WC's formed</b>	1				<b>2. Govt. / waste /OTHER LAND</b>	44 Ha

**YEARWISE WORK PLAN OF WATERSHED COMMITTEE**

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
<b>I.</b>	<b>ADMINISTRATIVE COST</b>	<b>10%</b>	<b>7.5</b>													
1	WDT MANDEYA & OFFICE EXP OF PIA			3.750												<b>3.750</b>
2	W C SEC MANDEYA & OFFICE EXP OF WC			3.750												<b>3.750</b>
	<b>SUB TOTAL</b>			<b>7.500</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>7.500</b>
<b>II</b>	<b>MONETERING</b>	<b>1%</b>	<b>0.750</b>	0.750												<b>0.750</b>
<b>III</b>	<b>EVALUATION</b>	<b>1%</b>	<b>0.750</b>	0.750												<b>0.750</b>
	<b>TOTAL</b>			<b>9.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>9.000</b>
	<b>W/S PREPARATORY PHASE</b>															
<b>IV</b>	<b>ENTRY POINT ACTIVITY</b>	<b>4%</b>	<b>3.000</b>	0.000												
1	Tanka	3	85333	2.560											3	<b>2.560</b>
2	Roof Harwesting	0	140000	0.000											0	<b>0.000</b>
3	Solar Light	2	22004	0.440											2	<b>0.440</b>
	<b>TOTAL</b>			<b>3.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>3.000</b>
<b>V</b>	<b>TRAININGS &amp; CAPACITY BUILDING</b>	<b>5%</b>	<b>3.750</b>	0.000												
1	<b>USERS GROUP</b>															
(i)	KHARIF	5		0.800											5	<b>0.800</b>
(ii)	RABI	5		0.800											5	<b>0.800</b>
(iii)	HORTICULTURE	5		0.800											5	<b>0.800</b>
(iv)	PASTURE DEVLOPMENT	4		0.300											4	<b>0.300</b>

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
2	OTHERS TRAINING & CO	21		1.050										21	1.050	
<b>TOTAL</b>				<b>3.750</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>40</b>	<b>3.750</b>
VI	DETAILED PROJECT REPORT	1%	0.750	0.750	1	0.750		0.000		0.000		0.000		0.000		0.750
			1	0.750	1	0.750		0.000		0.000		0.000		0.000	1	0.750
<b>TOTAL</b>				<b>7.500</b>		<b>0.750</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>7.500</b>
<u>W/S WORK PHASE</u>																
VII	<b>NRM</b>	<b>56%</b>	<b>42.000</b>	<b>0.000</b>												
(i)	Earthen Bund up to 1 ha & 1% Slope	8	92000	7.360	1	0.736	2	2.208	2	2.208	2	1.472	1	0.736	8	7.360
	Earthen Bund up to 3 ha & 1% Slope	2	137000	2.740	0	0.274	1	0.822	1	0.822	0	0.548	0	0.274	2	2.740
	Earthen Bund up to 5 ha & 1% Slope	0	185000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 10 ha & 1% Slope	0	211000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 1 ha & 1% to 3% Slope	0	85000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 3 ha & 1% to 3% Slope	0	119000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 5 ha & 1% to 3% Slope	0	158000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 10 ha & 1% to 3% Slope		188000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 1 ha & 3% to 5% Slope		60000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 3 ha & 3% to 5% Slope		94000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 5 ha & 3% to 5% Slope		102000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(ii)	Tanka 25000 lit Capacity	19	80525	15.300	10	8.052	2	1.610	3	2.416	2	1.611	2	1.611	19	15.300
(iii)	Tanka 35000 lit Capacity	2	161000	3.220	0	0.000	1	1.610	1	1.610	0	0.000	0	0.000	2	3.220
(iv)	Manary structure Type 1		280000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(v)	Manary structure Type 2		321000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(vi)	Manary structure Type 3	0	377000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(vii)	Manary structure Type 4	0	501000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(viii)	Pasture Development 1 ha		134000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
					FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR			
		QTY.	RATE	AMOUNT	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
(ix)	Pasture Development 2 ha	0	268000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(x)	Pasture Development 3 ha	0	402000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(xi)	Pasture Development 10 ha	1	1338000	13.380	0	0.000	0	4.014	0	4.014	0	2.676	0	2.676	1	13.380
<b>TOTAL</b>		<b>32</b>		<b>42.00</b>	<b>11</b>	<b>9.06</b>	<b>6</b>	<b>10.26</b>	<b>7</b>	<b>11.07</b>	<b>4</b>	<b>6.31</b>	<b>3</b>	<b>5.30</b>	<b>32</b>	<b>42.00</b>
<b>VIII</b>	<b>LIVELIHOOD ACTIVITIES FOR ASSET LESS PERSON</b>	<b>9%</b>	<b>6.750</b>													
<b>1</b>	<b>Revolving fund to SHG</b>	<b>16</b>	<b>25000.000</b>	<b>4.050</b>	3	0.750	3	0.810	3	0.810	3	0.810	4	0.870	<b>16</b>	<b>4.050</b>
<b>2</b>	<b>Revolving fund to Individul</b>	<b>3</b>	<b>25000.000</b>	<b>0.675</b>	1	0.250	1	0.135	1	0.135	0	0.135	0	0.020	<b>3</b>	<b>0.675</b>
<b>3</b>	<b>Grant add to Fedration of SHG</b>			<b>2.025</b>	0	0.000	7	0.000	0	2.025	0	0.000	0	0.000	<b>0</b>	<b>2.025</b>
				<b>6.750</b>		<b>1.000</b>		<b>0.945</b>		<b>2.970</b>		<b>0.945</b>		<b>0.890</b>	<b>19</b>	<b>6.750</b>
<b>IX</b>	<b>PRODUCTION SYSTEM &amp; MICROENTERPRISES</b>	<b>10%</b>	<b>7.500</b>	0.000												
<b>1</b>	<b>Crop Demo. Kharif</b>	<b>35</b>	<b>1165</b>	<b>0.408</b>	7	0.082	7	0.082	7	0.082	7	0.082	7	0.082	<b>35</b>	<b>0.410</b>
<b>2</b>	<b>Crop Demo Rabi</b>	<b>70</b>	<b>1718</b>	<b>1.203</b>	14	0.241	14	0.241	14	0.241	14	0.241	14	0.240	<b>70</b>	<b>1.204</b>
<b>3</b>	<b>Soil Testing</b>	<b>105</b>	<b>49</b>	<b>0.051</b>	21	0.010	21	0.010	21	0.010	21	0.010	21	0.011	<b>105</b>	<b>0.051</b>
<b>4</b>	<b>Compost Pit</b>	<b>120</b>	<b>630</b>	<b>0.756</b>	24	0.151	24	0.151	24	0.151	24	0.151	24	0.151	<b>120</b>	<b>0.755</b>
<b>5</b>	<b>Horticulture Plantation</b>	<b>400</b>	<b>693</b>	<b>2.772</b>	80	0.554	80	0.554	80	0.554	80	0.554	80	0.554	<b>400</b>	<b>2.770</b>
<b>6</b>	<b>Agro Forestry or Horticyure plantation backyard</b>	<b>700</b>	<b>105</b>	<b>0.735</b>	140	0.147	140	0.147	140	0.147	140	0.147	140	0.147	<b>700</b>	<b>0.735</b>
	<b>LIVESTOCK MANAGEMENT</b>															
<b>7</b>	<b>Animal Health Camp</b>	<b>10</b>	<b>9800</b>	<b>0.980</b>	2	0.196	2	0.196	2	0.196	2	0.196	2	0.196	<b>10</b>	<b>0.980</b>
<b>8</b>	<b>Artificial Insemination</b>	<b>100</b>	<b>35</b>	<b>0.035</b>	20	0.007	20	0.007	20	0.007	20	0.007	20	0.007	<b>100</b>	<b>0.035</b>
<b>9</b>	<b>Animal Fodder Feed Vessel</b>	<b>80</b>	<b>700</b>	<b>0.560</b>	16	0.112	16	0.112	16	0.112	16	0.112	16	0.112	<b>80</b>	<b>0.560</b>
<b>TOTAL</b>		<b>1620</b>		<b>7.500</b>		<b>1.500</b>		<b>1.500</b>		<b>1.500</b>		<b>1.500</b>		<b>1.500</b>	<b>1620</b>	<b>7.500</b>
<b>X</b>	<b>CONSOLIDATED PHASE</b>	<b>3%</b>	<b>2.250</b>	<b>2.250</b>								<b>1.350</b>		<b>0.900</b>		<b>2.250</b>
<b>GRAND TOTAL</b>				<b>75.000</b>		<b>12.312</b>		<b>12.709</b>		<b>15.540</b>		<b>10.102</b>		<b>8.587</b>		<b>75.000</b>

*Table 3.4.7 Yearwise planning of Project Activity for Village Mandli*

Name of the W. C.		Sanwara Gaon		Macro/Micro		Cluster		Geographical Area		Ha						
Village Name		Mandli		Scheme		IWMP		Effective Area		1335 Ha						
Block		Bap		Date of Sanction				Total Arable land		Ha						
District.		Jodhpur		Date of Appoval of the				1. Irrigated		0 Ha						
Village Covered		1 NO.		work plan				2. Unirrigated		1070 Ha						
Project outlay		200.25 LAC		No. of SHG's formed		2		Total Nonarable land		Ha						
Total Area		1335.00 Hactare		No. of UG's formed		3		1. Pasture		150 Ha						
No. of WC's formed		1						2. Govt. / waste /OTHER LANE		115 Ha						
YEARWISE WORK PLAN OF WATERSHED COMMITTEE																
S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
<b>I.</b>	<b>ADMINISTRATIVE COST</b>	<b>10%</b>	<b>20.025</b>													
1	WDT MANDEYA & OFFICE EXP OF PIA			10.013												<b>10.013</b>
2	W C SEC MANDEYA & OFFICE EXP OF WC			10.013												<b>10.013</b>
	<b>SUB TOTAL</b>			<b>20.025</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>20.025</b>
<b>II</b>	<b>MONETERING</b>	<b>1%</b>	<b>2.003</b>	2.003												<b>2.003</b>
<b>III</b>	<b>EVALUATION</b>	<b>1%</b>	<b>2.003</b>	2.003												<b>2.003</b>
	<b>TOTAL</b>			<b>24.031</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>24.031</b>
	<u>W/S PREPARATORY PHASE</u>															
<b>IV</b>	<b>ENTRY POINT ACTIVITY</b>	<b>4%</b>	<b>8.010</b>	0.230												
1	Tanka	4	80000	3.200											<b>4</b>	<b>3.200</b>
2	Pipe line	1	260000	2.600											<b>1</b>	<b>2.600</b>
3	Solar Light	9	22004	1.980											<b>9</b>	<b>1.980</b>
	<b>TOTAL</b>			<b>7.780</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>7.780</b>
<b>V</b>	<b>TRAININGS &amp; CAPACITY BUILDING</b>	<b>5%</b>	<b>10.013</b>	0.000												
1	<b>USERS GROUP</b>															
(i)	KHARIF	5		1.800											<b>5</b>	<b>1.800</b>
(ii)	RABI	5		1.800											<b>5</b>	<b>1.800</b>
(iii)	HORTICULTURE	5		1.800											<b>5</b>	<b>1.800</b>
(iv)	PASTURE DEVLOPMENT	4		1.400											<b>4</b>	<b>1.400</b>

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
2	OTHERS TRAINING & CO	32		3.213										32	3.213	
<b>TOTAL</b>				<b>10.013</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>51</b>	<b>10.013</b>	
VI	DETAILED PROJECT REPORT	1%	2.003	2.003	1	2.003		0.000		0.000		0.000		0.000	2.003	
				2	2.003	1	2.003		0.000		0.000		0.000	1	2.003	
<b>TOTAL</b>				<b>19.796</b>	<b>2.003</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>19.796</b>		
<b>W/S WORK PHASE</b>																
VII	NRM	56%	112.140	0.000												
(i)	Earthen Bund up to 1 ha & 1% Slope	30	92000	27.600	8	7.360	8	7.360	8	7.360	6	5.520	0	0.000	30	27.600
	Earthen Bund up to 3 ha & 1% Slope	15	137000	20.550	5	6.850	4	5.480	3	4.110	3	4.110	0	0.000	15	20.550
	Earthen Bund up to 5 ha & 1% Slope	5	185000	9.250	1	1.850	1	1.850	1	1.850	1	1.850	1	1.850	5	9.250
	Earthen Bund up to 10 ha & 1% Slope	5	211000	10.550	2	4.220	1	2.110	1	2.110	1	2.110	0	0.000	5	10.550
	Earthen Bund up to 1 ha & 1% to 3% Slope	0	85000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 3 ha & 1% to 3% Slope		119000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 5 ha & 1% to 3% Slope		158000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 10 ha & 1% to 3% Slope		188000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 1 ha & 3% to 5% Slope		60000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Steranthainh of old Khadin	1	269600	2.696	0	0.000	1	2.696	0	0.000	0	0.000	0	0.000	1	2.696
(ii)	Tanka 25000 lit Capacity storage tank	26	80055	20.814	6	4.803	6	4.803	6	4.803	4	3.202	4	3.203	26	20.814
(ii)	Tanka 25000 lit Capacity	5	146000	7.300	2	2.920	1	1.460	1	1.460	1	1.460	0	0.000	5	7.300
(iii)	Tanka 35000 lit Capacity	0	161000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(iv)	Manary structure Type 1 Nadi		280000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(v)	Manary structure Type 2		321000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(vi)	Manary structure Type 3		377000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(vii)	Manary structure Type 4		501000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(viii)	Pasture Development 1 ha		134000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
					FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR			
		QTY.	RATE	AMOUNT	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
(ix)	Pasture Development 2 ha	0	268000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(x)	Pasture Development 3 ha	0	402000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(xi)	Pasture Development 10 ha	1	1338000	13.380	0	0.000	0	0.000	0	0.000	0	0.000	1	13.380	1	13.380
<b>TOTAL</b>		<b>88</b>		<b>112.140</b>	<b>24</b>	<b>28.00</b>	<b>22</b>	<b>25.76</b>	<b>20</b>	<b>21.69</b>	<b>16</b>	<b>18.25</b>	<b>6</b>	<b>18.43</b>	<b>88</b>	<b>112.140</b>
<b>VIII</b>	<b>LIVELIHOOD ACTIVITIES FOR ASSET LESS PERSON</b>	<b>9%</b>	<b>18.023</b>													
<b>1</b>	<b>Revolving fund to SHG</b>	<b>43</b>	<b>25000.000</b>	<b>10.814</b>	9	2.250	9	2.163	9	2.163	9	2.163	7	2.076	<b>43</b>	<b>10.814</b>
<b>2</b>	<b>Revolving fund to Individul</b>	<b>7</b>	<b>25000.000</b>	<b>1.802</b>	1	0.250	1	0.360	1	0.360	1	0.360	3	0.471	<b>7</b>	<b>1.802</b>
<b>3</b>	<b>Grant add to Fedration of SHG</b>			<b>5.407</b>	0	0.000	120	0.000	0	5.407	0	0.000	0	0.000	<b>0</b>	<b>5.407</b>
				<b>18.023</b>		<b>2.500</b>		<b>2.523</b>		<b>7.930</b>		<b>2.523</b>		<b>2.546</b>	<b>50.000</b>	<b>18.023</b>
<b>IX</b>	<b>PRODUCTION SYSTEM &amp; MICROENTERPRISES</b>	<b>10%</b>	<b>20.025</b>	0.000												
<b>1</b>	<b>Crop Demo. Kharif</b>	600	1165	6.990	120	1.398	120	1.398	120	1.398	120	1.398	120	1.398	<b>600</b>	<b>6.990</b>
<b>2</b>	<b>Crop Demo Rabi</b>	40	1718	0.687	8	0.137	8	0.137	8	0.137	8	0.138	8	0.138	<b>40</b>	<b>0.687</b>
<b>3</b>	<b>Soil Testing</b>	342	49	0.168	68	0.033	68	0.033	68	0.033	68	0.034	70	0.035	<b>342</b>	<b>0.168</b>
<b>4</b>	<b>Compost Pit</b>	100	630	0.630	20	0.126	20	0.126	20	0.126	20	0.126	20	0.126	<b>100</b>	<b>0.630</b>
<b>5</b>	<b>Horticulture Plantation</b>	1000	693	6.930	200	1.386	200	1.386	200	1.386	200	1.386	200	1.386	<b>1000</b>	<b>6.930</b>
<b>6</b>	<b>Agro Forestry or Horticylure plantation backyard</b>	2000	105	2.100	400	0.420	400	0.420	400	0.420	400	0.420	400	0.420	<b>2000</b>	<b>2.100</b>
	<b>LIVESTOCK MANAGEMENT</b>															
<b>7</b>	<b>Animal Health Camp</b>	15	9800	1.470	3	0.294	3	0.294	3	0.294	3	0.294	3	0.294	<b>15</b>	<b>1.470</b>
<b>8</b>	<b>Artificial Insemination</b>	200	35	0.070	40	0.014	40	0.014	40	0.014	40	0.014	40	0.014	<b>200</b>	<b>0.070</b>
<b>9</b>	<b>Animal Fodder Feed Vessel</b>	140	700	0.980	28	0.196	28	0.196	28	0.196	28	0.196	28	0.196	<b>140</b>	<b>0.980</b>
<b>TOTAL</b>		<b>4437</b>		<b>20.025</b>		<b>4.004</b>		<b>4.004</b>		<b>4.004</b>		<b>4.006</b>		<b>4.007</b>	<b>4437</b>	<b>20.025</b>
<b>X</b>	<b>CONSOLIDATED PHASE</b>	<b>3%</b>	<b>6.008</b>	<b>6.008</b>								<b>3.605</b>		<b>2.403</b>		<b>6.008</b>
<b>GRAND TOTAL</b>				<b>200.023</b>		<b>36.510</b>		<b>32.286</b>		<b>33.627</b>		<b>28.386</b>		<b>27.390</b>		<b>200.023</b>

**Table 3.4.8 Yearwise planning of Project Activity for Village Manchitiya**

<b>Name of the W. C.</b>	<b>Sanwara Gaon</b>		<b>Macro/Micro</b>	<b>Cluster</b>		<b>Geographical Area</b>		<b>Ha</b>	
<b>Village Name</b>	Manchitiya		<b>Scheme</b>	IWMP		<b>Effective Area</b>		1753 Ha	
<b>Block</b>	Bap		<b>Date of Sanction</b>		<b>Total Arable land</b>		Ha		
<b>District.</b>	Jodhpur		<b>Date of Apvoal of the</b>		<b>1. Irrigated</b>		0 Ha		
<b>Village Covered</b>	1	NO.	<b>work plan</b>		<b>2. Unirrigated</b>		1485 Ha		
<b>Project outlay</b>	262.95	LAC	<b>No. of SHG's formed</b>		<b>Total Nonarable land</b>		Ha		
<b>Total Area</b>	1753.00	Hactare	<b>No. of UG's formed</b>		<b>1. Pasture</b>		84 Ha		
<b>No. of WC's formed</b>	1				<b>2. Govt. / waste /OTHER LANI</b>		184 Ha		

<b>YEARWISE WORK PLAN OF WATERSHED COMMITTEE</b>																
<b>S. N.</b>	<b>NAME OF ACTIVITY</b>	<b>TARGET</b>			<b>2010-11</b>		<b>2011-12</b>		<b>2012-13</b>		<b>2013-14</b>		<b>2014-15</b>		<b>TOTAL</b>	
		<b>QTY.</b>	<b>RATE</b>	<b>AMOUNT</b>	<b>FIRST YEAR</b>		<b>SECOND YEAR</b>		<b>THIRD YEAR</b>		<b>FOURTH YEAR</b>		<b>FIFTH YEAR</b>		<b>PHY</b>	<b>FIN</b>
					<b>PHY</b>	<b>FIN</b>	<b>PHY</b>	<b>FIN</b>	<b>PHY</b>	<b>FIN</b>	<b>PHY</b>	<b>FIN</b>	<b>PHY</b>	<b>FIN</b>		
<b>I.</b>	<b>ADMINISTRATIVE COST</b>	<b>10%</b>	<b>26.295</b>													
1	WDT MANDEYA & OFFICE EXP OF PIA			13.148												13.148
2	W C SEC MANDEYA & OFFICE EXP OF WC			13.148												13.148
	<b>SUB TOTAL</b>			<b>26.295</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>26.295</b>
<b>II</b>	<b>MONETERING</b>	<b>1%</b>	<b>2.630</b>	2.630												<b>2.630</b>
<b>III</b>	<b>EVALUATION</b>	<b>1%</b>	<b>2.630</b>	2.630												<b>2.630</b>
	<b>TOTAL</b>			<b>31.555</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>31.555</b>
	<b>W/S PREPARATORY PHASE</b>															
<b>IV</b>	<b>ENTRY POINT ACTIVITY</b>	<b>4%</b>	<b>10.518</b>	-0.382												
1	Tanka	9	80000	7.200											9	7.200
2	Pipe line	1	260000	2.600											1	2.600
3	Solar Light	5	22004	1.100											5	1.100
	<b>TOTAL</b>			<b>10.900</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>10.900</b>
<b>V</b>	<b>TRAININGS &amp; CAPACITY BUILDING</b>	<b>5%</b>	<b>13.148</b>	0.000												
1	<b>USERS GROUP</b>															
(i)	KHARIF	5		2.000											5	2.000
(ii)	RABI	5		2.000											5	2.000
(iii)	HORTICULTURE	5		2.000											5	2.000
(iv)	PASTURE DEVLOPMENT	4		1.600											4	1.600

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
2	OTHERS TRAINING & CO	45		5.548										45	5.548	
<b>TOTAL</b>				<b>13.148</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>64</b>	<b>13.148</b>		
VI	DETAILED PROJECT REPORT	1%	2.630	2.630	1	2.630		0.000		0.000		0.000		0.000		2.630
				2.630	1	2.630		0.000		0.000		0.000		0.000	1	2.630
<b>TOTAL</b>				<b>26.678</b>	<b>2.630</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>26.678</b>		
<b>W/S WORK PHASE</b>																
VII	NRM	56%	147.252	0.000												
(i)	Earthen Bund up to 1 ha & 1% Slope	54	92000	49.680	10	9.200	10	9.200	8	7.360	8	7.360	18	16.560	54	49.680
	Earthen Bund up to 3 ha & 1% Slope	12	137000	16.440	3	4.110	3	4.110	2	2.740	2	2.740	2	2.740	12	16.440
	Earthen Bund up to 5 ha & 1% Slope	4	185000	7.400	2	3.700	1	1.850	1	1.850	0	0.000	0	0.000	4	7.400
	Earthen Bund up to 10 ha & 1% Slope	0	211000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 1 ha & 1% to 3% Slope	0	85000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 3 ha & 1% to 3% Slope	0	119000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 5 ha & 1% to 3% Slope	0	158000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 10 ha & 1% to 3% Slope	0	188000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 1 ha & 3% to 5% Slope	0	60000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 3 ha & 3% to 5% Slope	0	94000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(ii)	Tanka 25000 lit Capacity storage tank	47	79835	37.522	10	7.984	10	7.984	10	7.983	10	7.983	7	5.588	47	37.522
(ii)	Tanka 25000 lit Capacity	10	146000	14.600	2	2.920	3	4.380	3	4.380	0	0.000	2	2.920	10	14.600
(iii)	Tanka 35000 lit Capacity	2	161000	3.220	0	0.000	1	1.610	1	1.610	0	0.000	0	0.000	2	3.220
(iv)	Manary structure Type 1	0	280000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(v)	Manary structure Type 2	0	321000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(vi)	Manary structure Type 3	0	377000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(vii)	Manary structure Type 4	1	501000	5.010	0	0.000	0	0.000	1	5.010	0	0.000	0	0.000	1	5.010
(viii)	Pasture Development 1 ha	0	134000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
(ix)	Pasture Development 2 ha	0	268000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(x)	Pasture Development 3 ha	0	402000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(xi)	Pasture Development 10 ha	1	1338000	13.380	0	0.000	1	13.380	0	0.000	0	0.000	0	0.000	1	13.380
<b>TOTAL</b>		<b>131</b>		<b>147.252</b>	<b>27</b>	<b>27.91</b>	<b>29</b>	<b>42.51</b>	<b>26</b>	<b>30.93</b>	<b>20</b>	<b>18.08</b>	<b>29</b>	<b>27.81</b>	<b>131</b>	<b>147.252</b>
<b>VIII</b>	<b>LIVELIHOOD ACTIVITIES FOR ASSET LESS PERSON</b>	<b>9%</b>	<b>23.666</b>													
<b>1</b>	<b>Revolving fund to SHG</b>	<b>57</b>	<b>25000.000</b>	<b>14.200</b>	11	2.750	11	2.840	11	2.840	11	2.840	13	2.930	<b>57</b>	<b>14.200</b>
<b>2</b>	<b>Revolving fund to Individual</b>	<b>9</b>	<b>25000.000</b>	<b>2.367</b>	2	0.500	2	0.473	2	0.473	2	0.473	1	0.447	<b>9</b>	<b>2.367</b>
<b>3</b>	<b>Grant add to Fedration of SHG</b>			<b>7.100</b>	0	0.000	90	0.000	0	7.100	0	0.000	0	0.000	<b>0</b>	<b>7.100</b>
				<b>23.667</b>		<b>3.250</b>		<b>3.313</b>		<b>10.413</b>		<b>3.313</b>		<b>3.377</b>	<b>66.000</b>	<b>23.667</b>
<b>IX</b>	<b>PRODUCTION SYSTEM &amp; MICROENTERPRISES</b>	<b>10%</b>	<b>26.295</b>	0.000												
1	Crop Demo. Kharif	450	1165	5.243	90	1.049	90	1.049	90	1.049	90	1.048	90	1.048	<b>450</b>	<b>5.243</b>
2	Crop Demo Rabi	20	1718	0.344	4	0.069	4	0.069	4	0.069	4	0.069	4	0.068	<b>20</b>	<b>0.344</b>
3	Soil Testing	268	49	0.131	54	0.026	54	0.026	54	0.026	54	0.027	52	0.026	<b>268</b>	<b>0.131</b>
4	Compost Pit	220	630	1.386	44	0.277	44	0.277	44	0.277	44	0.277	44	0.278	<b>220</b>	<b>1.386</b>
5	Horticulture Plantation	1800	693	12.474	360	2.495	360	2.495	360	2.495	360	2.495	360	2.494	<b>1800</b>	<b>12.474</b>
6	Agro Forestry or Horticulture plantation backyard	2000	105	2.100	400	0.420	400	0.420	400	0.420	400	0.420	400	0.420	<b>2000</b>	<b>2.100</b>
	<b>LIVESTOCK MANAGEMENT</b>															
7	Animal Health Camp	30	9800	2.940	6	0.588	6	0.588	6	0.588	6	0.588	6	0.588	<b>30</b>	<b>2.940</b>
8	Artificial Insemination	390	35	0.137	78	0.027	78	0.027	78	0.027	78	0.028	78	0.028	<b>390</b>	<b>0.137</b>
9	Animal Fodder Feed Vessel	220	700	1.540	44	0.308	44	0.308	44	0.308	44	0.308	44	0.308	<b>220</b>	<b>1.540</b>
<b>TOTAL</b>		<b>5398</b>		<b>26.295</b>		<b>5.259</b>		<b>5.259</b>		<b>5.259</b>		<b>5.260</b>		<b>5.258</b>	<b>5398</b>	<b>26.295</b>
<b>X</b>	<b>CONSOLIDATED PHASE</b>	<b>3%</b>	<b>7.889</b>	<b>7.889</b>								<b>4.733</b>		<b>3.156</b>		<b>7.889</b>
<b>GRAND TOTAL</b>				<b>263.336</b>		<b>39.053</b>		<b>51.086</b>		<b>46.605</b>		<b>31.390</b>		<b>39.598</b>		<b>263.336</b>

*Table 3.4.8 Yearwise planning of Project Activity for Village Lumbaniya*

<b>Name of the W. C.</b>	<b>Sanwara Gaon</b>		<b>Macro/Micro</b>	<b>Cluster</b>		<b>Geographical Area</b>		<b>Ha</b>								
<b>Village Name</b>	Lumbaniya		<b>Scheme</b>	IWMP		<b>Effective Area</b>		471 Ha								
<b>Block</b>	Bap		<b>Date of Sanction</b>		<b>Total Arable land</b>		Ha									
<b>District.</b>	Jodhpur		<b>Date of Apvoal of the work plan</b>		<b>1. Irrigated</b>		0 Ha									
<b>Village Covered</b>	1	NO.	<b>No. of SHG's formed</b>		3	<b>2. Unirrigated</b>		414 Ha								
<b>Project outlay</b>	70.65	LAC	<b>No. of UG's formed</b>		8	<b>Total Nonarable land</b>		Ha								
<b>Total Area</b>	471.00	Hactare				<b>1. Pasture</b>		50 Ha								
<b>No. of WC's formed</b>	1					<b>2. Govt. / waste /OTHER LANI</b>		7 Ha								
<b>YEARWISE WORK PLAN OF WATERSHED COMMITTEE</b>																
S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
<b>I.</b>	<b>ADMINISTRATIVE COST</b>	<b>10%</b>	<b>7.065</b>													
1	WDT MANDEYA & OFFICE EXP OF PIA			3.533												3.533
2	W C SEC MANDEYA & OFFICE EXP OF WC			3.533												3.533
	<b>SUB TOTAL</b>			<b>7.065</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>7.065</b>
<b>II</b>	<b>MONETERING</b>	<b>1%</b>	<b>0.707</b>	0.707												<b>0.707</b>
<b>III</b>	<b>EVALUATION</b>	<b>1%</b>	<b>0.707</b>	0.707												<b>0.707</b>
	<b>TOTAL</b>			<b>8.479</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>8.479</b>
	<u>W/S PREPARATORY PHASE</u>															
<b>IV</b>	<b>ENTRY POINT ACTIVITY</b>	<b>4%</b>	<b>2.826</b>	0.126												
1	Tanka	2	80000	1.600											2	<b>1.600</b>
2	Tanka & Payoo		250000	0.000											0.000	<b>0.000</b>
3	Solar Light	5	22004	1.100											5	<b>1.100</b>
	<b>TOTAL</b>			<b>2.700</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>2.700</b>
<b>V</b>	<b>TRAININGS &amp; CAPACITY BUILDING</b>	<b>5%</b>	<b>3.533</b>	0.000												
1	<b>USERS GROUP</b>															
(i)	KHARIF	5		0.500											5	<b>0.500</b>
(ii)	RABI	5		0.500											5	<b>0.500</b>
(iii)	HORTICULTURE	5		0.500											5	<b>0.500</b>
(iv)	PASTURE DEVLOPMENT	4		0.400											4	<b>0.400</b>

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
2	OTHERS TRAINING & CO	12		1.633											12	1.633
<b>TOTAL</b>				<b>3.533</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>31</b>	<b>3.533</b>	
VI	DETAILED PROJECT REPORT	1%	0.707	0.707	1	0.707		0.000		0.000		0.000		0.000		0.707
				<b>1</b>	<b>0.707</b>	<b>1</b>	<b>0.707</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>	<b>1</b>	<b>0.707</b>	
<b>TOTAL</b>				<b>6.940</b>	<b>0.707</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>6.940</b>		
<b>W/S WORK PHASE</b>																
VII	NRM	56%	39.564	0.000												
(i)	Earthen Bund up to 1 ha & 1% Slope	20	92000	18.400	5	4.600	5	4.600	5	4.600	4	3.680	1	0.920	20	18.400
	Earthen Bund up to 3 ha & 1% Slope	3	137000	4.110	1	1.370	1	1.370	1	1.370	0	0.000	0	0.000	3	4.110
	Earthen Bund up to 5 ha & 1% Slope	0	185000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 10 ha & 1% Slope	0	211000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 1 ha & 1% to 3% Slope	0	85000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 3 ha & 1% to 3% Slope	0	119000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 5 ha & 1% to 3% Slope	0	158000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 10 ha & 1% to 3% Slope	0	188000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 1 ha & 3% to 5% Slope	0	60000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 3 ha & 3% to 5% Slope	0	94000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(ii)	Tanka 25000 lit Capacity storage tank	16	79960	12.794	5	3.998	3	2.398	3	2.399	3	2.399	2	1.600	16	12.794
(ii)	Tanka 25000 lit Capacity	2	146000	2.920	1	1.460	1	1.460	0	0.000	0	0.000	0	0.000	2	2.920
(iii)	Tanka 35000 lit Capacity	0	161000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(iv)	Manary structure Type 1	0	280000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(v)	Manary structure Type 2		321000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(vi)	Manary structure Type 3		377000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(vii)	Manary structure Type 4	0	501000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(viii)	Pasture Development 1 ha	1	134000	1.340	0	0.000	0	0.000	0	0.000	0	0.000	1	1.340	1	1.340

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
(ix)	Pasture Development 2 ha		268000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(x)	Pasture Development 3 ha	0	402000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(xi)	Pasture Development 10 ha		1338000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
<b>TOTAL</b>		<b>42</b>		<b>39.564</b>	<b>12</b>	<b>11.43</b>	<b>10</b>	<b>9.83</b>	<b>9</b>	<b>8.37</b>	<b>7</b>	<b>6.08</b>	<b>4</b>	<b>3.86</b>	<b>42</b>	<b>39.564</b>
<b>VIII</b>	<b>LIVELIHOOD ACTIVITIES FOR ASSET LESS PERSON</b>	<b>9%</b>	<b>6.359</b>													
<b>1</b>	<b>Revolving fund to SHG</b>	<b>15</b>	<b>25000.000</b>	<b>3.815</b>	3	0.750	3	0.763	3	0.763	3	0.763	3	0.776	<b>15</b>	<b>3.815</b>
<b>2</b>	<b>Revolving fund to Individual</b>	<b>3</b>	<b>25000.000</b>	<b>0.636</b>	1	0.250	1	0.127	1	0.127	1	0.127	-1	0.004	<b>3</b>	<b>0.636</b>
<b>3</b>	<b>Grant add to Fedration of SHG</b>			<b>1.908</b>	0	0.000	20	0.000	0	1.908	0	0.000	0	0.000	<b>0</b>	<b>1.908</b>
				<b>6.359</b>		<b>1.000</b>		<b>0.890</b>		<b>2.798</b>		<b>0.890</b>		<b>0.780</b>	<b>18.000</b>	<b>6.359</b>
<b>IX</b>	<b>PRODUCTION SYSTEM &amp; MICROENTERPRISES</b>	<b>10%</b>	<b>7.065</b>	0.000												
1	Crop Demo. Kharif	100	1165	1.165	20	0.233	20	0.233	20	0.233	20	0.233	20	0.233	<b>100</b>	<b>1.165</b>
2	Crop Demo Rabi	0	1718	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	<b>0</b>	<b>0.000</b>
3	Soil Testing	105	49	0.051	21	0.010	21	0.010	21	0.010	21	0.010	21	0.011	<b>105</b>	<b>0.051</b>
4	Compost Pit	100	630	0.630	20	0.126	20	0.126	20	0.126	20	0.126	20	0.126	<b>100</b>	<b>0.630</b>
5	Horticulture Plantation	450	693	3.119	90	0.624	90	0.624	90	0.624	90	0.624	90	0.623	<b>450</b>	<b>3.119</b>
6	Agro Forestry or Horticulture plantation backyard	500	105	0.525	100	0.105	100	0.105	100	0.105	100	0.105	100	0.105	<b>500</b>	<b>0.525</b>
<b>LIVESTOCK MANAGEMENT</b>																
7	Animal Health Camp	10	9800	0.980	2	0.196	2	0.196	2	0.196	2	0.196	2	0.196	<b>10</b>	<b>0.980</b>
8	Artificial Insemination	100	35	0.035	20	0.007	20	0.007	20	0.007	20	0.007	20	0.007	<b>100</b>	<b>0.035</b>
9	Animal Fodder Feed Vessel	80	700	0.560	16	0.112	16	0.112	16	0.112	16	0.112	16	0.112	<b>80</b>	<b>0.560</b>
<b>TOTAL</b>		<b>1445</b>		<b>7.065</b>		<b>1.413</b>		<b>1.413</b>		<b>1.413</b>		<b>1.413</b>		<b>1.413</b>	<b>1445</b>	<b>7.065</b>
<b>X</b>	<b>CONSOLIDATED PHASE</b>	<b>3%</b>	<b>2.120</b>	<b>2.120</b>								<b>1.272</b>		<b>0.848</b>		<b>2.120</b>
<b>GRAND TOTAL</b>				<b>70.527</b>		<b>14.548</b>		<b>12.131</b>		<b>12.580</b>		<b>9.654</b>		<b>6.901</b>		<b>70.527</b>

**Table 3.4.7 Yearwise planning of Project Activity for Village Rawra**

<b>Name of the W. C.</b>	Sanwara Gaon		<b>Macro/Micro</b>	Cluster	<b>Geographical Area</b>	Ha	
<b>Village Name</b>	Rawra		<b>Scheme</b>	IWMP	<b>Effective Area</b>	941 Ha	
<b>Block</b>	Bap		<b>Date of Sanction</b>		<b>Total Arable land</b>	Ha	
<b>District.</b>	Jodhpur		<b>Date of Apposal of the</b>		<b>1. Irrigated</b>	0 Ha	
<b>Village Covered</b>	1	NO.	<b>work plan</b>		<b>2. Unirrigated</b>	889 Ha	
<b>Project outlay</b>	141.15	LAC	<b>No. of SHG's formed</b>	7	<b>Total Nonarable land</b>	Ha	
<b>Total Area</b>	941.00	Hactare	<b>No. of UG's formed</b>	16	<b>1. Pasture</b>	30 Ha	
<b>No. of WC's formed</b>	1				<b>2. Govt. / waste /OTHER LANI</b>	22 Ha	

<b>YEARWISE WORK PLAN OF WATERSHED COMMITTEE</b>																
S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
<b>I.</b>	<b>ADMINISTRATIVE COST</b>	<b>10%</b>	<b>14.115</b>													
1	WDT MANDEYA & OFFICE EXP OF PIA			7.058												<b>7.058</b>
2	W C SEC MANDEYA & OFFICE EXP OF WC			7.058												<b>7.058</b>
	<b>SUB TOTAL</b>			<b>14.115</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>14.115</b>
<b>II</b>	<b>MONETERING</b>	<b>1%</b>	<b>1.412</b>	1.412												<b>1.412</b>
<b>III</b>	<b>EVALUATION</b>	<b>1%</b>	<b>1.412</b>	1.412												<b>1.412</b>
	<b>TOTAL</b>			<b>16.939</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>16.939</b>
	<b>W/S PREPARATORY PHASE</b>															
<b>IV</b>	<b>ENTRY POINT ACTIVITY</b>	<b>4%</b>	<b>5.646</b>	0.026												
1	Tanka	4	80000	3.200											<b>4</b>	<b>3.200</b>
2	Pipe line	2	250000												<b>0</b>	<b>0.000</b>
3	Solar Light	11	22004	2.420											<b>11</b>	<b>2.420</b>
	<b>TOTAL</b>			<b>5.620</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>5.620</b>
<b>V</b>	<b>TRAININGS &amp; CAPACITY BUILDING</b>	<b>5%</b>	<b>7.058</b>	0.000												
1	<b>USERS GROUP</b>															
(i)	KHARIF	5		1.000											<b>5</b>	<b>1.000</b>
(ii)	RABI	5		1.000											<b>5</b>	<b>1.000</b>
(iii)	HORTICULTURE	5		1.000											<b>5</b>	<b>1.000</b>
(iv)	PASTURE DEVLOPMENT	4		0.800											<b>4</b>	<b>0.800</b>

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
2	OTHERS TRAINING & CO	28		3.258										28	3.258	
	<b>TOTAL</b>			<b>7.058</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>47</b>	<b>7.058</b>
VI	DETAILED PROJECT REPORT	1%	1.412	1.412	1	1.412		0.000		0.000		0.000		0.000		1.412
			1	1.412	1	1.412		0.000		0.000		0.000		0.000	1	1.412
	<b>TOTAL</b>			<b>14.090</b>		<b>1.412</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>14.090</b>
	<u>W/S WORK PHASE</u>															
VII	<b>NRM</b>	<b>56%</b>	<b>79.044</b>	<b>0.000</b>												
(i)	Earthen Bund up to 1 ha & 1% Slope	21	92000	19.320	6	5.520	6	5.520	6	5.520	2	1.840	1	0.920	21	19.320
	Earthen Bund up to 3 ha & 1% Slope	10	137000	13.700	2	2.740	2	2.740	2	2.740	2	2.740	2	2.740	10	13.700
	Earthen Bund up to 5 ha & 1% Slope	5	185000	9.250	2	3.700	2	3.700	0	0.000	0	0.000	1	1.850	5	9.250
	Earthen Bund up to 10 ha & 1% Slope	0	211000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 1 ha & 1% to 3% Slope	0	85000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 3 ha & 1% to 3% Slope		119000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 5 ha & 1% to 3% Slope		158000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 10 ha & 1% to 3% Slope		188000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 1 ha & 3% to 5% Slope		60000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Earthen Bund up to 3 ha & 3% to 5% Slope		94000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(ii)	Tanka 25000 lit Capacity storage tank	25	80055	20.014	6	4.803	6	4.803	6	4.803	5	4.003	2	1.602	25	20.014
(ii)	Tanka 25000 lit Capacity	5	146000	7.300	2	2.920	1	1.460	1	1.460	1	1.460	0	0.000	5	7.300
(iii)	Tanka 35000 lit Capacity	1	161000	1.610	0	0.000	1	1.610	0	0.000	0	0.000	0	0.000	1	1.610
(iv)	Manary structure Type 1 Nadi		280000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(v)	Manary structure Type 2		321000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(vi)	Manary structure Type 3	1	383000	3.830	0	0.000	1	3.830	0	0.000	0	0.000	0	0.000	1	3.830
(vii)	Manary structure Type 4		501000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(viii)	Pasture Development 1 ha		134000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

S. N.	NAME OF ACTIVITY	TARGET			2010-11		2011-12		2012-13		2013-14		2014-15		TOTAL	
		QTY.	RATE	AMOUNT	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		PHY	FIN
					PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN		
(ix)	Pasture Development 2 ha	0	268000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(x)	Pasture Development 3 ha	1	402000	4.020	0	0.000	0	0.000	0	0.000	0	0.000	1	4.020	1	4.020
(xi)	Pasture Development 10 ha	0	1338000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
<b>TOTAL</b>		<b>69</b>		<b>79.044</b>	<b>18</b>	<b>19.68</b>	<b>19</b>	<b>23.66</b>	<b>15</b>	<b>14.52</b>	<b>10</b>	<b>10.04</b>	<b>7</b>	<b>11.13</b>	<b>69</b>	<b>79.044</b>
<b>VIII</b>	<b>LIVELIHOOD ACTIVITIES FOR ASSET LESS PERSON</b>	<b>9%</b>	<b>12.704</b>													
<b>1</b>	<b>Revolving fund to SHG</b>	<b>30</b>	<b>25000.000</b>	<b>7.622</b>	6	1.500	6	1.524	6	1.524	6	1.524	6	1.549	<b>30</b>	<b>7.622</b>
<b>2</b>	<b>Revolving fund to Individul</b>	<b>5</b>	<b>25000.000</b>	<b>1.270</b>	1	0.250	1	0.254	1	0.254	1	0.254	1	0.258	<b>5</b>	<b>1.270</b>
<b>3</b>	<b>Grant add to Fedration of SHG</b>			<b>3.811</b>	0	0.000	80	0.000	0	3.811	0	0.000	0	0.000	<b>0</b>	<b>3.811</b>
				<b>12.703</b>		<b>1.750</b>		<b>1.778</b>		<b>5.589</b>		<b>1.778</b>		<b>1.807</b>	<b>35.000</b>	<b>12.703</b>
<b>IX</b>	<b>PRODUCTION SYSTEM &amp; MICROENTERPRISES</b>	<b>10%</b>	<b>14.115</b>	0.000												
<b>1</b>	<b>Crop Demo. Kharif</b>	400	1165	4.660	80	0.932	80	0.932	80	0.932	80	0.932	80	0.932	<b>400</b>	<b>4.660</b>
<b>2</b>	<b>Crop Demo Rabi</b>	0	1718	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	<b>0</b>	<b>0.000</b>
<b>3</b>	<b>Soil Testing</b>	208	49	0.102	42	0.021	42	0.021	42	0.021	42	0.020	40	0.019	<b>208</b>	<b>0.102</b>
<b>4</b>	<b>Compost Pit</b>	148	630	0.932	30	0.189	30	0.189	30	0.189	30	0.189	28	0.176	<b>148</b>	<b>0.932</b>
<b>5</b>	<b>Horticulture Plantation</b>	700	693	4.851	140	0.970	140	0.970	140	0.970	140	0.970	140	0.971	<b>700</b>	<b>4.851</b>
<b>6</b>	<b>Agro Forestry or Horticylure plantation backyard</b>	1000	105	1.050	200	0.210	200	0.210	200	0.210	200	0.210	200	0.210	<b>1000</b>	<b>1.050</b>
	<b>LIVESTOCK MANAGEMENT</b>															
<b>7</b>	<b>Animal Health Camp</b>	15	9800	1.470	3	0.294	3	0.294	3	0.294	3	0.294	3	0.294	<b>15</b>	<b>1.470</b>
<b>8</b>	<b>Artificial Insemination</b>	200	35	0.070	40	0.014	40	0.014	40	0.014	40	0.014	40	0.014	<b>200</b>	<b>0.070</b>
<b>9</b>	<b>Animal Fodder Feed Vessel</b>	140	700	0.980	28	0.196	28	0.196	28	0.196	28	0.196	28	0.196	<b>140</b>	<b>0.980</b>
<b>TOTAL</b>		<b>2811</b>		<b>14.115</b>		<b>2.826</b>		<b>2.826</b>		<b>2.826</b>		<b>2.825</b>		<b>2.812</b>	<b>2811</b>	<b>14.115</b>
<b>X</b>	<b>CONSOLIDATED PHASE</b>	<b>3%</b>	<b>4.235</b>	<b>4.235</b>								<b>2.541</b>		<b>1.694</b>		<b>4.235</b>
<b>GRAND TOTAL</b>				<b>141.126</b>		<b>25.671</b>		<b>28.267</b>		<b>22.938</b>		<b>17.187</b>		<b>17.445</b>		<b>141.126</b>

## CHAPTER IV

### Budgeting

The first step in budgeting is dividing the cost of the project into various components as detailed in the common guidelines and done accordingly in table no. 4.1.1 It helps us in further identifying activities under different components and allocate appropriate funds.

**Table 4.1.1 Fund outlay of whole Project**

Instalment	Agency	Adm	Monitoring	Evaluation	EPA	I&CB	DPR	Watershed Work	Livelihoods Production system & Micro Enterprise	Consolidation	Total
1st (20%)	SLNA		0.38	2.25		1.50					4.13
	WCDC		0.75			3.75					4.50
	PIA	7.50	0.38		30.00	17.26	7.50		15.00		77.64
	WC	7.50						56.25			63.75
	<b>TOTAL</b>	<b>15.00</b>	<b>1.50</b>	<b>2.25</b>	<b>30.00</b>	<b>22.50</b>	<b>7.50</b>	<b>56.25</b>	<b>15.00</b>	<b>0.00</b>	<b>150.02</b>
Iind (50%)	SLNA		0.56	2.63		0.75					3.94
	WCDC		1.50			1.87					3.37
	PIA	20.25	0.94			8.63			74.99		104.81
	WC	20.25						242.64			262.89
	<b>TOTAL</b>	<b>40.50</b>	<b>3.00</b>	<b>2.63</b>	<b>0.00</b>	<b>11.25</b>	<b>0.00</b>	<b>242.64</b>	<b>74.99</b>	<b>0.00</b>	<b>375.01</b>
IIRD (30%)	SLNA		0.56	2.62						0.74	3.92
	WCDC		1.50			1.13				0.74	3.37
	PIA	9.75	0.94			2.63			22.51	1.50	37.33
	WC	9.75						151.11		19.50	180.36
	<b>TOTAL</b>	<b>19.50</b>	<b>3.00</b>	<b>2.62</b>	<b>0.00</b>	<b>3.75</b>	<b>0.00</b>	<b>151.11</b>	<b>22.51</b>	<b>22.50</b>	<b>224.98</b>
Total (100%)	SLNA		1.50	7.50		2.25				0.74	11.99
	WCDC		3.75			6.75				0.74	11.24
	PIA	37.50	2.26		30.00	28.52	7.50		112.50	1.50	219.78
	WC	37.50						450.00		19.50	507.00
	<b>TOTAL</b>	<b>75.00</b>	<b>7.50</b>	<b>7.50</b>	<b>30.00</b>	<b>37.50</b>	<b>7.50</b>	<b>450.00</b>	<b>112.50</b>	<b>22.50</b>	<b>750.00</b>

**Table 4.1.2 Fund outlay for Gram Panchyat Sanwara Gaon**

Instalment	Agency	Adm	Monitoring	Evaluation	EPA	I&CB	DPR	Watershed Work	Livelihoods Production system & Micro Enterprise	Consolidation	Total
<b>1st (20%)</b>	SLNA		0.34	2.03		1.35					<b>3.72</b>
	WCDC		0.68			3.37					<b>4.05</b>
	PIA	6.75	0.34		27.00	15.53	6.75		13.47		<b>69.84</b>
	WC	6.75						50.65			<b>57.40</b>
	<b>TOTAL</b>	<b>13.50</b>	<b>1.35</b>	<b>2.03</b>	<b>27.00</b>	<b>20.25</b>	<b>6.75</b>	<b>50.65</b>	<b>13.47</b>	<b>0.00</b>	<b>135.01</b>
<b>lind (50%)</b>	SLNA		0.51	2.36		0.68					<b>3.55</b>
	WCDC		1.35			1.69					<b>3.04</b>
	PIA	18.23	0.84			7.77			80.99		<b>107.83</b>
	WC	18.23						204.88			<b>223.11</b>
	<b>TOTAL</b>	<b>36.45</b>	<b>2.70</b>	<b>2.36</b>	<b>0.00</b>	<b>10.13</b>	<b>0.00</b>	<b>204.88</b>	<b>80.99</b>	<b>0.00</b>	<b>337.53</b>
<b>llird (30%)</b>	SLNA		0.51	2.36						0.67	<b>3.54</b>
	WCDC		1.35			1.01				0.67	<b>3.03</b>
	PIA	8.78	0.84			2.36			33.79	1.35	<b>47.12</b>
	WC	8.78						122.47		17.55	<b>148.80</b>
	<b>TOTAL</b>	<b>17.55</b>	<b>2.70</b>	<b>2.36</b>	<b>0.00</b>	<b>3.37</b>	<b>0.00</b>	<b>122.47</b>	<b>33.79</b>	<b>20.25</b>	<b>202.49</b>
<b>Total (100%)</b>	SLNA		1.36	6.75		2.03				0.67	<b>10.81</b>
	WCDC		3.38			6.07				0.67	<b>10.12</b>
	PIA	33.76	2.02		27.00	25.66	6.75		128.25	1.35	<b>224.79</b>
	WC	33.76						378.00		17.55	<b>429.31</b>
	<b>TOTAL</b>	<b>67.50</b>	<b>6.75</b>	<b>6.75</b>	<b>27.00</b>	<b>33.75</b>	<b>6.75</b>	<b>378.00</b>	<b>128.25</b>	<b>20.25</b>	<b>675.00</b>

**Table 4.1.3 Fund outlay for the Gram Panchyat Bari Seer**

Instalment	Agency	Adm	Monitoring	Evaluation	EPA	I&CB	DPR	Watershed Work	Livelihoods Production system & Micro Enterprise	Consolidation	Total
<b>1st (20%)</b>	SLNA		0.04	0.23		0.15					<b>0.42</b>
	WCDC		0.08			0.37					<b>0.45</b>
	PIA	0.75	0.04		3.00	1.73	0.75		1.50		<b>7.77</b>
	WC	0.75						5.63			<b>6.38</b>
	<b>TOTAL</b>	<b>1.50</b>	<b>0.15</b>	<b>0.23</b>	<b>3.00</b>	<b>2.25</b>	<b>0.75</b>	<b>5.63</b>	<b>1.50</b>	<b>0.00</b>	<b>15.02</b>
<b>lind (50%)</b>	SLNA		0.06	0.26		0.08					<b>0.40</b>
	WCDC		0.15			0.19					<b>0.34</b>
	PIA	2.03	0.09			0.87			9.00		<b>11.99</b>
	WC	2.03						22.76			<b>24.79</b>
	<b>TOTAL</b>	<b>4.05</b>	<b>0.30</b>	<b>0.26</b>	<b>0.00</b>	<b>1.13</b>	<b>0.00</b>	<b>22.76</b>	<b>9.00</b>	<b>0.00</b>	<b>37.52</b>
<b>llird (30%)</b>	SLNA		0.06	0.26						0.07	<b>0.39</b>
	WCDC		0.15			0.11				0.07	<b>0.33</b>
	PIA	0.98	0.09			0.26			3.75	0.15	<b>5.23</b>
	WC	0.98						13.61		1.95	<b>16.54</b>
	<b>TOTAL</b>	<b>1.95</b>	<b>0.30</b>	<b>0.26</b>	<b>0.00</b>	<b>0.37</b>	<b>0.00</b>	<b>13.61</b>	<b>3.75</b>	<b>2.25</b>	<b>22.49</b>
<b>Total (100%)</b>	SLNA		0.16	0.75		0.23				0.07	<b>1.21</b>
	WCDC		0.38			0.67				0.07	<b>1.12</b>
	PIA	3.76	0.22		3.00	2.86	0.75		14.25	0.15	<b>24.99</b>
	WC	3.76						42.00		1.95	<b>47.71</b>
	<b>TOTAL</b>	<b>7.50</b>	<b>0.75</b>	<b>0.75</b>	<b>3.00</b>	<b>3.75</b>	<b>0.75</b>	<b>42.00</b>	<b>14.25</b>	<b>2.25</b>	<b>75.00</b>

## *CHAPTER - V*

### *EXPECTED OUTCOMES*

#### *5.1.1 Employment*

Employment has always been a problem in the village. The principal occupations of the people are dry land agriculture, animal husbandry and casual labour work. However, rain fall being very limited and erratic, agriculture suffers, i.e. at best they can take only a single crop, which keeps them partially engaged for about 4 months. Lack of fodder makes animal husbandry very difficult too. So, animal husbandry does not keep them engaged full time. Thus the people mainly depend upon casual labour, either in the village itself or outside it.

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

#### *5.1.2. Migration*

Low rainfall results in very little fodder availability in the locality. The relatively well off farmers bring fodder from Mehsana (approximately 500kms away) collectively; but the resource poor cannot afford it. On account of agriculture and animal husbandry providing only part time employment for some part of the year, the people migrate for a better half of the year for wage labour. Employment opportunities in the local area as mentioned above will ensure lessening seasonal migration from the area.

S.No.	Name of Village	No of Persons Migrating		No. of Days per year of Migrating	
		Pre project	Post Project	Pre project	Post Project
1	Mandli	24	11	5280	2420
2	Manchitiya	34	16	7480	3520
3	Lumbaniya	12	6	2640	1320
4	Rawra	53	12	11660	2640
5	Baori Barshinga	18	8	3960	1760
	Total	143	53	31460	11660

### 5.1.3 Ground water table

Rainfall has been scanty but demand for ground water has been increasing all the time. The ground water table thus has depleted over the years. Presently it stands at 100 to 150 ft as per house hold survey. Proper water harvesting structures and conservation work would go a long way in increasing water table depth from 75 to 100 ft in the pre-project level to 50-75 ft in the post project period.

### 5.1.4 Drinking water

The village depend for their drinking water on village pond, public supply etc. The quality of this water is not good and at the same time availability is also not round the year. 89 Tankas will be made by project fund and many more will be made by convergence with schemes like NREGS during the project period thus increasing the availability of good quality drinking water.

### 5.1.5 Crops

Agriculture primarily depends upon water; but this is what is lacking in the project area. The surface water is scanty due to low rainfall and ground water has gone deep.

All this can change with the integrated land and water management during the watershed project. The planned earthen bunds would preserve moisture in the soil. This will help in additional area coming under cultivation and increasing productivity too. The farmers can take more than one season of crops.

<b>Name of Crop</b>	<b>Present Yield (Av of last 8 years) MT</b>	<b>Expected Yield in Post Project Phase MT</b>
Wheat	1461	1885
Gram	255	329
Mustered	556	717
Taramira	301	388
Cumin	135	174
Bajra	1402	1809
Moong	375	484
Moth	104	134
Sesamum(Til)	234	302
Cotton	296	382

### *5.1.6 Horticulture*

All the tanka constructed under the project outlay will be provided by atleast 50 horticulture plants. This will increase 3000 horticulture plant in the post project phase. Convergence will be done with Horticulture department which will also increase horticulture plants in the project area, thus increasing the income of the project beneficiary.

### *5.1.7 Livestock*

The village has quite a good of livestock population. These include cows, bullocks, buffaloes and goats. The interventions like provision of AI. And other such related activities would spur up the dairy development in the village. It is expected that the post project period would see a substantial increase in livestock population and yield from them. It is expected that milk production will increase by 10 to 15 percent.

### *5.1.8 Livelihood*

The average income of person undertaking livelihood intervention under project activity will increase by 25 percent.

### 5.1.9 EXPECTED OUT COMES IN DETAIL

S.No.	Item	Unit of Measurement	Pre-Project Status	Expected Post Project Status	Remarks
1	Status of Water Table (Depth of Ground Water level)	Feet	100-150	50-75	
2	Ground water structures repaired/ rejevenated	No.			
3	Quality of drinking water	Description	Water with impurity	Good water	
4	Availability of drinking water	Description	Not available	Available by Govt. Scheme	
5	Change in irrigation area	Ha	211	350	
6	Change in cropping/ land use pattern	Description	Mostly single crop	Double crop area increased	
7	Area under Agriculture crop	Ha			
	1. Area under single crop	Ha	1304	1000	
	2. Area under double crop	Ha	211	500	
	3. Area under multiple crop	Ha	0	0	
8	Change in cultivated Area	Ha	1304	1350	
9	Yield of Major crops of area	Qtl/Ha			
	1 Yield of Bajra	Qtl/Ha	5	6-7	
	2 Yield of Wheat	Qtl/Ha	20	30-35	
	3 Yield of Gram	Qtl/Ha	6	10-12	
	4 Yield of Mustard	Qtl/Ha	10-11	12-15	
10	Production of major crops of area	Ton			
	1 Production of Bajra	Ton	1402	1809	
	2 Production of Wheat	Ton	1461	1885	
	3 Production of Gram	Ton	255	329	
	4 Production of Mustard	Ton	556	717	
11	Area under vegetation	Ha	200	270	
12	Area under horticulture	Ha	0	5	
13	Area under fuel	Ha	100	150	
14	Area under fodder	Ha	100	200	
15	Fodder production	Qtl	300	1000	
16	Milk production	Lit/day	768	1500-1600	
17	SHGs Active	No.	8	40-60	
18	No of livelihoods	No.			
19	Income	Rs in lakhs			
20	Migration	No.	212	37	
21	SHG Federations formed	No.		1-2	

## *CHAPTER -VI*

### *QUALITY AND SUSTAINABILITY ISSUES*

#### *6.1 Plans for Monitoring and Evaluation*

The project will be monitored by the Department System in which Monthly Progress Report, Quarterly Progress Report will be submitted to check the pace of the project. Project will be closely monitored and evaluated by Panchyat Raj Institutes by Social Audits. Contribution of WDF will also ensure quality of work executed.

#### *6.2 Plans For Project management:*

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

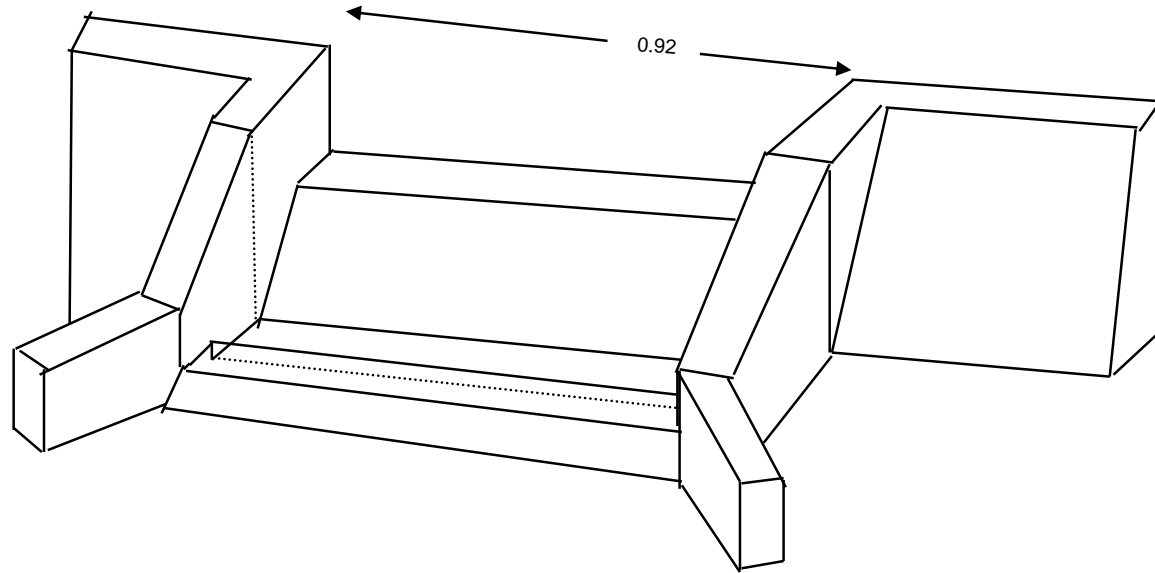
#### *6.3 Watershed Development Fund:*

The major source of financial assistance after post implementation period is watershed Development Fund. It will be contributed by the farmers of the project area who are directly benefited by the project.

## Model Estimate

### IWMP Jodhpur 39

Macro / Micro no. Cluster



Area	1
Slope	up to 1%
maximum hight	1.25
maximum lenth of treval	100

Cost of MMS	36664.55
Cost of earthen bund	61688.32
Total	<b>98352.87</b>
<b>Say</b>	<b>0.98 lacs</b>

**Minor mesonary Structure**

IWMP Jodhpur 39

A	C	L	H	h	l	Df
1	0.3	100	1.25	0.4	48	65

Macro / Micro no. Cluster

**Structural Design**

Hydrologic Design

Q=0.0276 CIA

Q= Peak rate run off in Cum/Sec.

C= Weighted coefficient of run off

l= Intensity of rain fall in Cm./hr. for equal to time of constration at a given Frequency

A= Catchment area in Hectares

Q	=	0.4	Cu.m./sec
---	---	-----	-----------

TC=0.0195 K<sup>0.77</sup> TC=Time of constration in minute

TC=Time of constration in minute

K= L<sup>3/2</sup>/H<sup>2</sup>

L= Max. length of travel in Mtr.

0.98 lacs

H=Diffrence elevation in Mtr.

TC	=	3.65	Minuite
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**Hydraulic Design**

$$Q = 1.71 L h^{1.5}$$

L	=	0.92	Meter
	=	3.02	Feet

$$F = 1.5 h_w$$

F	=	0.2	Meter
Say F	=	0.2	Meter

$$h_w = 0.014 D_f^{0.5}$$

H <sub>w</sub>	=	0.11	Meter
d	=	0.6	Merer

h=head over the crest in mtr

L=length of the crest wall in mtr

F=free board in mtr

D<sub>f</sub>=fatch length in mtr

h<sub>w</sub>=wave length in mtr

H	h	d	p
0.60	0.40	0.60	2.30

1	Top width of head wall a	a=h/(p-1) <sup>0.5</sup>	=	0.35
		Say	=	0.40

2	Bottom width of head wall b	b=h+H/(p-1) <sup>0.5</sup>	=	0.93
		Say	=	0.93

3	Length of head wall ext l	l=H+d+1	=	2.20
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4	Hight of head wall ext	H+d	=	1.20
---	------------------------	-----	---	------

5	Bottom width of head wall ext	0.5(H+h)	=	0.50
		Say	=	0.50

6	Top width of head wall ext	0.4*H	=	0.24
---	----------------------------	-------	---	------

7	Length of basin LB	0.75(H+d)+H	=	1.50
---	--------------------	-------------	---	------

8	Thickness of basin	t	=	0.50
---	--------------------	---	---	------

9	Hight of the side wall at head wall joint	H+d	=	1.20
---	---	-----	---	------

10	Hight of the side wall at toe wall joint	1.5*h	=	0.60
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11	Length of wing wall	2.25*h	=	0.90
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12	Height of wing wall	1.5*h	=	0.60
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13	Top width of toe wall		=	0.45
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14	Height of toe wall		=	0.3
----	--------------------	--	---	-----

15	Thickness of side wall		=	0.6
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**IWMP Jodhpur 39**  
Macro / Micro no.      Cluster

- a = Top width of head wall in m.
- b = Bottom width of head wall in m.
- Fa = Water force in Kg
- Fb = Water force in Kg
- Fc = Water force in Kg
- U = uplift force in Kg
- $\rho$  = Specific gravity of dam material kg/cum(2300kg/cum)
- w = Unit weight of water in kg/cum(1000 kg/cum)
- H = Height of head wall
- h = head over the crest
- C = Coefficient in uplift (0.5)
- $\mu$  = Coefficient of friction (0.65 to 0.75)

a	b	H	h	$\rho$	C	w
0.40	0.93	0.6	0.4	2300	0.5	1000

$W1 =$	$a H \rho$	$=$	552
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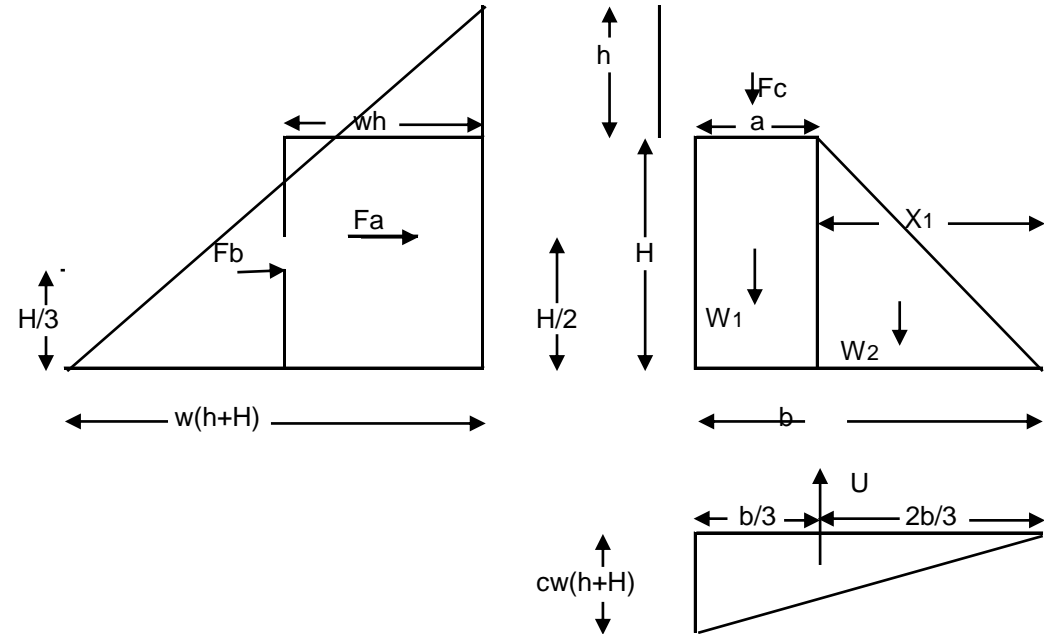
$W2 =$	$\frac{1}{2}(b-a)H$	$b$	365.7
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$U =$	$\frac{1}{2}Cw(H+h)$	$w$	232.5
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$Fa =$	$whH$	$w$	240
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$Fb =$	$\frac{wH^2}{2}$	$w$	180
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$Fc =$	$wah$	$w$	160
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# IWMP Jodhpur 39

Macro / Micro no. Cluster

W1	x1	Fc	Fa	Fb	U	a	b	W2	H	Frictional Coff
552	0.73	160	240	180	232.5	0.40	0.93	365.7	0.6	0.8

## Safety against overturning

$$RM = W_1x_1 + Fcx_1 + W_2 \cdot 2(b-a)/3 = 648.97$$

$$OM = F_a x H/2 + F_b x H/3 + Ux2b/3 = 252.15$$

$$RM/OM = 2.57 > 1.5 \quad \text{Hance safe}$$

## Safety against sliding

$$Tv = W1 + W2 + Fc - U = 845.2$$

$$Th = Fa + Fb = 420$$

$$C.F * Tv/Th = 1.61 > 1.3 \quad \text{Hence safe}$$

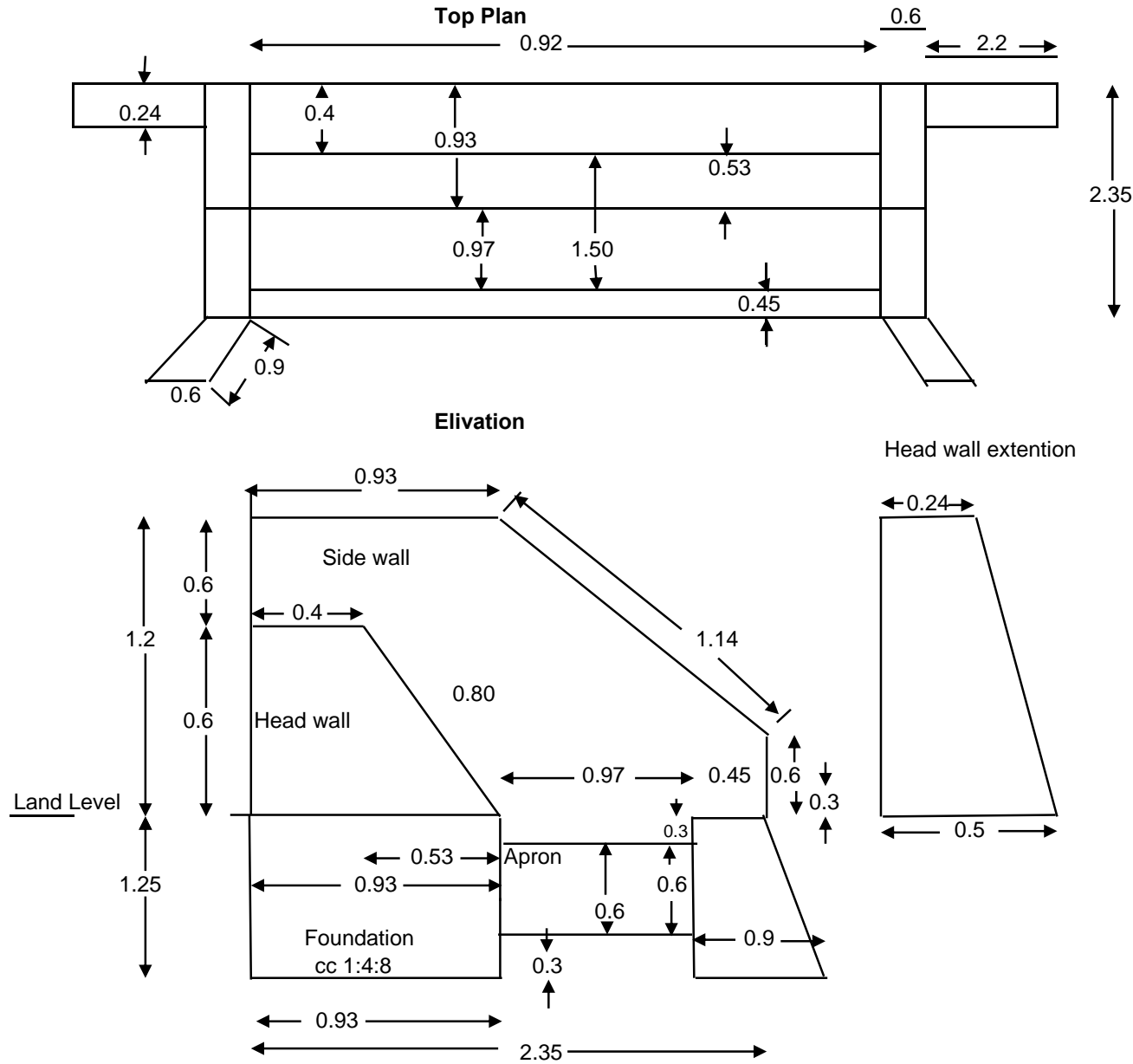
## Safety against tension at base

$$X = (RM - OM)/Tv = 0.470$$

$$e = b/2 - X = 0.000$$

$$b/6 = 0.155$$

$$b/6 > e \quad \text{Hance safe}$$



*Estimate*

			IWMP Jodhpur 39	Length	Width	Hight	Qty	rate	amount	
1	Earth work Excavation in hard soil up to 1.5 mt Hight and deposited excavated meterial lead op to 150	2B								
			Head wall	1	0.92	0.93	1.25	0.00		
			Head wall extention	2	2.2	0.5	1.25	2.75		
			side wall	2	2.35	0.6	1.25	3.53		
			Apron	1	0.92	0.97	0.9	0.80		
			Toe wall	1	0.92	0.9	1.25	1.04		
			Wing Wall	1	0.9	0.6	0.6	0.32		
									8.44	100
2	Cement concrete 1:4:8 (1cement:4 sand:8 concrete) & vibrater	11.3 A								
			Head wall	1	0.92	0.93	0.3	0.26		
			Head wall extention	2	2.2	0.5	0.3	0.66		
			side wall	2	2.35	0.6	0.3	0.85		
			Apron	1	0.92	0.97	0.3	0.27		
			Toe wall	1	0.92	0.9	0.3	0.25		
			Wing Wall	1	0.90	0.6	0.3	0.16		
						2.44	1891	4615.55		
3	RR stone mesonary in Cement sand mortar 1 : 6	24A								
			Head wall	1	0.92	0.93	0.95	0.81		
			Head wall extention	2	2.2	0.5	0.95	2.09		
			side wall	2	2.35	0.6	0.95	2.68		
			Apron	1	0.92	0.97	0.15	0.13		
			Toe wall	1	0.92	0.9	0.95	0.79		
			Wing Wall	1	0.90	0.6	0.3	0.16		
						6.66	2075	13828.38		
4	RR stone mesonary in Cement sand mortar 1 : 6	24A&25								
			Head wall	1	0.92	0.665	0.6	0.37		
			Head wall extention	2	2.2	0.37	1.2	1.95		
			side wall	2	1.64	0.6	0.6	1.18		
			side wall	2	2.35	0.6	0.6	1.69		
			Apron	1	0.92	0.97		0.00		
			Toe wall	1	0.92	0.675	0	0.00		
			Wing Wall	1	0.90	0.6	0.6	0.32		
						5.52	2075	11448.77		

Sr. no.	Name of work	Item no.	No	Length	Width	Hight	Qty	rate	amount
5	50 mm Cement concrete 1:2:4 12 mm concrete complete	58 A					bf		30736.42
	Head wall		1	0.92	0.4		0.368		
	Head wall extention		2	2.20	0.24		1.056		
	side wall		2	0.93	0.6		1.116		
	side wall		2	1.14	0.6		1.369		
	Apron		1	0.92	0.97		0.892		
	Toe wall		1	0.92	0.45		0.414		
	Wing Wall		1	0.90	0.6		0.540		
							5.755	230	1323.67
6	Cement Plaster 1 : 6 ( 1 cement : 6 sand) 25 mm thick	67A							
			Head wall	1	0.92	0.4		0.368	
			Head wall	1	0.92	0.6		0.55	
			Head wall extention	2	2.20	0.24		1.06	
			Head wall extention	2	2.20	1.2		5.28	
			side wall	2	0.93	0.6		1.116	
			side wall	2	1.14	0.6		1.37	
			side wall	2	2.35	0.6		2.82	
			side wall	2	1.64	0.6		1.97	
			side wall	2	0.60	1.2		1.44	
			Apron	1	0.92	0.97		0.89	
			Toe wall	1	0.92	1.05		0.97	
			Wing Wall	2	0.90	0.6		1.08	
			Wing Wall	2	0.90	0.6		1.08	
			Wing Wall	2	0.6	0.6		0.72	
							20.71	147	3043.94
7	Cement concrete 1:1.5:3 (1cement:1.5 sand:3 concrete) 25 mm concrete Using mixture & vibrater	37							
			Apron	1	0.92	0.97	0.15	0.13	3350
8	Pointing 1:3 (1 Cement : 3 Sand)	68							
			Head wall	1	0.92	0.80		0.74	60
							<b>Total</b>		<b>35596.65</b>
							3% contingency		<b>1067.90</b>
							<b>G Total</b>		<b>36664.55</b>
							Say		<b>0.37 Lacs</b>

# IWMP Jodhpur 39

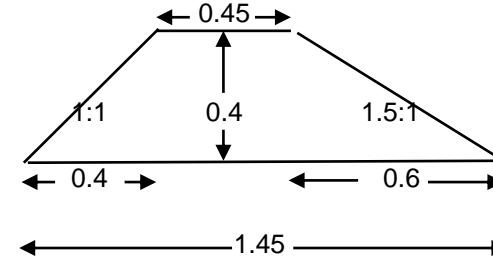
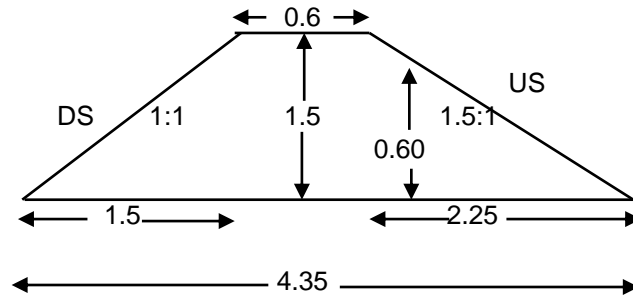
## Earthen bund

Macro / Micro no.      Cluster

Length      Left      125  
                  Right      125  
                  Minimum cross section

Maximum cross section

Top width = Based on seepage line check      Slope of seepage line 5:1



$$\text{Cross Section} = \frac{(T_w + B_w) \times \text{Height}}{2}$$

$$\text{Cross Section} = 3.71 \text{ Sq m}$$

Average Cross section =

$$\text{Cross Section} = 0.38 \text{ Sq m}$$

$$2.05 \text{ Sq m}$$

Sr.no.	Name of work		BSR Item No	Length	Cross section	Qty	Unit	Rate	Amount
1	Earth work Excavation in hard soil up to 1.5 mt Hight and deposited excavated material lead op to 50		119 B	125	2.05	256.25			
				125	2.05	256.25			
						512.50	Cum	100	51250.00
2	supply of murrum		89B	250	0.16	39.38	Cum	50	1968.75
3	Transpotation of murrum 5Km.		105			39.38	Cum	118.5	4665.94
4	Spreading of murrum		5			39.38	Cum	37	1456.88
5	cost of Cumath Seed	Row	Length	To.length	interwell	No per kg			
		3	250	750	1	450	1.67	Kg	60
6	Seed Sowing (Cumtha) 114		750			750	mtr	0.6	450.00
Total									59891.57
3% contingency									1796.75
<b>G Total</b>									<b>61688.32</b>

## *Abstract cost of Plantation work*

### *For Genaral & OBC Category*

Sr. no	Name of work		Project cost			Convergence with Ag.Ext dept.			Measures
			Project	Contribution	Total	Govt share	Farmer share	Total	
			60%	40%					
1	Cost of Horticulture plantation	15800.00	9480.00	6320.00	15800.00				Production
2	Cost of Barbered wire fencing with post fixing	32197.00	19318.00	12879.00	32197.00				Production
3	Cost of Drip irrigation system	15000.00				13500.00	1500.00	15000.00	Production
	<b>Total for production</b>	<b>62997.00</b>	<b>28798.00</b>	<b>19199.00</b>	<b>47997.00</b>	<b>13500.00</b>	<b>1500.00</b>	<b>15000.00</b>	
	<i>Say</i>	<b>0.63</b>	<b>0.29</b>	<b>0.19</b>	<b>0.48</b>	<b>0.14</b>	<b>0.02</b>	<b>0.15</b>	Lacs

### *For SC/BPL*

Sr. no	Name of work		Project cost			Convergence with Ag.Ext dept.			Measures
			Project	Contribution	Total	Govt share	Farmer share	Total	
			80%	20%					
1	Cost of Horticulture plantation	15800.00	12640.00	3160.00	15800.00				Production
2	Cost of Barbered wire fencing with post fixing	32197.00	25758.00	6439.00	32197.00				Production
3	Cost of Drip irrigation system	15000.00				13500.00	1500.00	15000.00	Production
	<b>Total for production</b>	<b>62997.00</b>	<b>38398.00</b>	<b>9599.00</b>	<b>47997.00</b>	<b>13500.00</b>	<b>1500.00</b>	<b>15000.00</b>	
	<i>Say</i>	<b>0.63</b>	<b>0.38</b>	<b>0.10</b>	<b>0.48</b>	<b>0.14</b>	<b>0.02</b>	<b>0.15</b>	Lacs

*Note :-* 1 Rates are taken as per GKN Bap Distt. Jodhpur. & forest dept.

2 For Horticulture plantation is as per norms of Agriculture Dept.

3 For developement of this unit drip irrigation will be taken in convergence with Agriculture Dept.

## *Abstract cost of Plantation work*

### *For Genaral & OBC Category*

Sr. no	Name of work		Project cost			Convergence with Ag.Ext dept.			Measures
			Project	Contribution	Total	Govt share	Farmer share	Total	
			60%	40%					
1	Cost of Horticulture plantation	11300.00	6780.00	4520.00	11300.00				Production
2	Cost of Barbered wire fencing with post fixing	27708.00	16625.00	11083.00	27708.00				Production
3	Cost of Drip irrigation system	15000.00	9000.00	6000.00	15000.00				Production
	<b>Total for production</b>	<b>54008.00</b>	<b>32405.00</b>	<b>21603.00</b>	<b>54008.00</b>				
	<i>Say</i>	<b>0.54</b>	<b>0.32</b>	<b>0.22</b>	<b>0.54</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	Lacs

### *For SC/BPL*

Sr. no	Name of work		Project cost			Convergence with Ag.Ext dept.			Measures
			Project	Contribution	Total	Govt share	Farmer share	Total	
			80%	20%					
1	Cost of Horticulture plantation	11300.00	9040.00	2260.00	11300.00				Production
2	Cost of Barbered wire fencing with post fixing	27708.00	22166.00	5542.00	27708.00				Production
3	Cost of Drip irrigation system	15000.00	12000.00	3000.00	15000.00				Production
	<b>Total for production</b>	<b>54008.00</b>	<b>43206.00</b>	<b>10802.00</b>	<b>54008.00</b>				
	<i>Say</i>	<b>0.54</b>	<b>0.43</b>	<b>0.11</b>	<b>0.54</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	Lacs

*Note :-* 1 Rates are taken as per GKN Bap Distt. Jodhpur. & forest dept.

2 For Horticulture plantation is as per norms of Agriculture Dept.

3 For developement of this unit drip irrigation will be taken in convergence with Agriculture Dept.

### MODEL ESTIMATE OF HORTICULTURE PLANTATION

S.N	Details of work	Qty	Rate	Unit	Amount
1	Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum	0.51	100.00	cum	50.63
2	Treatment of pits				
a	Through chemicals	1.00	0.60	Per plant	0.60
b	Through mannure	1.00	0.30	Per plant	0.30
3	Planting of plant with rehandling upto 100m,refilling of soil & compaction etc	1.00	6.50	Per plant	6.50
4	Cost of Plant including transportation	1.00	40.00	Per plant	40.00
4	Making of thanwala,of 50 cm radious	1.00	1.80	Per plant	1.80
5	Watering of plant,15 lit per plant Tweleve times in the year	12.00	1.80	Per plant	21.60
6	Weeding & hoeing three times in the year	3.00	1.20	Per plant	3.60
7	Cost of Mannure including transportation	1.00	5.00	Per Kg	5.00
	Total				130.03
	Contengency 3%				3.90
	<b>Grand total</b>				<b>133.93</b>
				<b>Per plant</b>	<b>134.00</b>

#### Cost per Ha of Aawla Plant

S.No	Details of work	Qty	Rate	Unit	Amount
1	Plant spacing c/c 8mx8m	156	134.00	No	20904
2	20% Plant Gap filling in second year	31	134.00	No	4154
3	Protection Work of plant	156	5	Ha	780
4	Protection Work 20% in second year	31	5	Ha	155
	<b>Total Amount</b>				<b>25993</b>

Say Rs **26000**

### MODEL ESTIMATE OF HORTICULTURE PLANTATION

S.N	Details of work	Qty	Rate	Unit	Amount
1	Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum	0.51	100.00	cum	50.63
2	Treatment of pits				
a	Through chemicals	1.00	0.60	Per plant	0.60
b	Through mannure	1.00	0.30	Per plant	0.30
3	Planting of plant with rehandling upto 100m,refilling of soil & compaction etc	1.00	6.50	Per plant	6.50
4	Cost of Plant including transportation	1.00	40.00	Per plant	40.00
4	Making of thanwala,of 50 cm radius	1.00	1.80	Per plant	1.80
5	Watering of plant,15 lit per plant five times in the year	5.00	1.80	Per plant	9.00
6	Weeding & hoeing three times in the year	3.00	1.20	Per plant	3.60
7	Cost of Mannure including transportation	1.00	5.00	Per Kg	5.00
	Total				117.43
	Contengency 3%				3.52
	<b>Grand total</b>				<b>120.95</b>
				<b>Per plant</b>	<b>121.00</b>

#### Cost per Ha of Orange Plant

S.No	Details of work	Qty	Rate	Unit	Amount
1	Plant spacing c/c 8mx8m	156	121.00	No	18876
2	20% Plant Gap filling in second year	31	121.00	No	3751
3	Protection Work of plant	156	5	Ha	780
4	Protection Work 20% in second year	31	5	Ha	155
	<b>Total Amount</b>				<b>23562</b>

**Say Rs                      23600**

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

S.N	Details of work	Qty	Rate	Unit	Amount
1	Excavation of earth work in hard soil for digging of pits, 0.45 x0.45 x0.45 = 0.091cum	0.09	100.00	cum	9.11
2	Treatment of pits				
a	Through chemicals	1.00	0.60	Per plant	0.60
b	Through mannure	1.00	0.30	Per plant	0.30
3	Planting of plant with rehandling upto 100m,refilling of soil & compaction etc	1.00	6.50	Per plant	6.50
4	Cost of Plant including transportation	1.00	15.00	Per plant	15.00
4	Making of thanwala,of 50 cm radius	1.00	1.80	Per plant	1.80
5	Watering of plant,15 lit per plant five times in the year	5.00	1.80	Per plant	9.00
6	Weeding & hoeing three times in the year	3.00	1.20	Per plant	3.60
7	Cost of Mannure including transportation	1.00	5.00	Per Kg	5.00
	Total				50.91
	Contengency 3%				1.53
	<b>Grand total</b>				<b>52.44</b>
				<b>Per plant</b>	<b>53.00</b>

**Cost per Ha of Papaya Plant**

2500 Plant per Ha					
S.No	Details of work	Qty	Rate	Unit	Amount
1	Plant spacing c/c 2mx2m	2500	53	No	132500
2	20% Plant Gap filling in second year	500	53	No	26500
3	Protection Work of plant	2500	5	Ha	12500
4	Protection Work 20% in second year	500	5	Ha	2500
	<b>Total Amount</b>				<b>174000</b>

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

S.N	Details of work	Qty	Rate	Unit	Amount
1	Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum	0.51	100.00	cum	50.63
2	Treatment of pits				
a	Through chemicals	1.00	0.60	Per plant	0.60
b	Through mannure	1.00	0.30	Per plant	0.30
3	Planting of plant with rehandling upto 100m,refilling of soil & compaction etc	1.00	6.50	Per plant	6.50
4	Cost of Plant including transportation	1.00	15.00	Per plant	15.00
4	Making of thanwala,of 50 cm radius	1.00	1.80	Per plant	1.80
5	Watering of plant,15 lit per plant five times in the year	5.00	1.80	Per plant	9.00
6	Weeding & hoeing three times in the year	3.00	1.20	Per plant	3.60
7	Cost of Mannure including transportation	1.00	5.00	Per Kg	5.00
	Total				92.43
	Contengency 3%				2.77
	<b>Grand total</b>				<b>95.20</b>
				<b>Per plant</b>	<b>96.00</b>

**Cost per Ha of Guava Plant**

277 Plant per Ha					
S.No	Details of work	Qty	Rate	Unit	Amount
1	Plant spacing c/c 6mx6m	277	96.00	No	26592
2	20% Plant Gap filling in second year	55	96.00	No	5280
3	Protection Work of plant	277	5	Ha	1385
4	Protection Work 20% in second year	55	5	Ha	275
	<b>Total Amount</b>				<b>33532</b>

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

S.N	Details of work	Qty	Rate	Unit	Amount
1	Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum	0.51	100.00	cum	50.63
2	Treatment of pits				
a	Through chemicals	1.00	0.60	Per plant	0.60
b	Through mannure	1.00	0.30	Per plant	0.30
3	Planting of plant with rehandling upto 100m,refilling of soil & compaction etc	1.00	6.50	Per plant	6.50
4	Cost of Plant including transportation	1.00	20.00	Per plant	20.00
4	Making of thanwala,of 50 cm radius	1.00	1.80	Per plant	1.80
5	Watering of plant,15 lit per plant five times in the year	5.00	1.80	Per plant	9.00
6	Weeding & hoeing three times in the year	3.00	1.20	Per plant	3.60
7	Cost of Mannure including transportation	1.00	5.00	Per Kg	5.00
	Total				97.43
	Contengency 3%				2.92
	<b>Grand total</b>				<b>100.35</b>
				<b>Per plant</b>	<b>101.00</b>

**Cost per Ha of Ber Plant**

277 Plant per Ha					
S.No	Details of work	Qty	Rate	Unit	Amount
1	Plant spacing c/c 6mx6m	277	101.00	No	27977
2	20% Plant Gap filling in second year	55	101.00	No	5555
3	Protection Work of plant	277	5	Ha	1385
4	Protection Work 20% in second year	55	5	Ha	275
	<b>Total Amount</b>				<b>35192</b>

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

S.N	Details of work	Qty	Rate	Unit	Amount
1	Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum	0.51	100.00	cum	50.63
2	Treatment of pits				
a	Through chemicals	1.00	0.60	Per plant	0.60
b	Through mannure	1.00	0.30	Per plant	0.30
3	Planting of plant with rehandling upto 100m,refilling of soil & compaction etc	1.00	6.50	Per plant	6.50
4	Cost of Plant including transportation	1.00	30.00	Per plant	30.00
4	Making of thanwala,of 50 cm radius	1.00	1.80	Per plant	1.80
5	Watering of plant,15 lit per plant five times in the year	5.00	1.80	Per plant	9.00
6	Weeding & hoeing three times in the year	3.00	1.20	Per plant	3.60
7	Cost of Mannure including transportation	1.00	5.00	Per Kg	5.00
	Total				107.43
	Contengency 3%				3.22
	<b>Grand total</b>				<b>110.65</b>
				<b>Per plant</b>	<b>111.00</b>

**Cost per Ha of Karonda Plant**

277 Plant per Ha					
S.No	Details of work	Qty	Rate	Unit	Amount
1	Plant spacing c/c 6mx6m	277	111.00	No	30747
2	20% Plant Gap filling in second year	55	111.00	No	6105
3	Protection Work of plant	277	5	Ha	1385
4	Protection Work 20% in second year	55	5	Ha	275
	<b>Total Amount</b>				<b>38512</b>

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

S.N	Details of work	Qty	Rate	Unit	Amount
1	Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum	0.51	100.00	cum	50.63
2	Treatment of pits				
a	Through chemicals	1.00	0.60	Per plant	0.60
b	Through mannure	1.00	0.30	Per plant	0.30
3	Planting of plant with rehandling upto 100m,refilling of soil & compaction etc	1.00	6.50	Per plant	6.50
4	Cost of Plant including transportation	1.00	40.00	Per plant	40.00
4	Making of thanwala,of 50 cm radius	1.00	1.80	Per plant	1.80
5	Watering of plant,15 lit per plant five times in the year	5.00	1.80	Per plant	9.00
6	Weeding & hoeing three times in the year	3.00	1.20	Per plant	3.60
7	Cost of Mannure including transportation	1.00	5.00	Per Kg	5.00
	Total				117.43
	Contengency 3%				3.52
	<b>Grand total</b>				<b>120.95</b>
				<b>Per plant</b>	<b>121.00</b>

**Cost per Ha of Neebu Plant**

277 Plant per Ha					
S.No	Details of work	Qty	Rate	Unit	Amount
1	Plant spacing c/c 6mx6m	277	121.00	No	33517
2	20% Plant Gap filling in second year	55	121.00	No	6655
3	Protection Work of plant	277	5	Ha	1385
4	Protection Work 20% in second year	55	5	Ha	275
	<b>Total Amount</b>				<b>41832</b>

*Abstract of Horticulture Plant*

S.No	Plant Name	Qty	Unit	Rate	Amount
1	Aawla	1.00	No.	167	167.00
2	Orange	1.00	No.	761	761.00
3	Papaya	1.00	No.	70	70.00
4	Guava	1.00	No.	121	121.00
5	Ber	1.00	No.	127	127.00
6	Karonda	1.00	No.	139	139.00
7	Neembu	1.00	No.	151	151.00
	Average cost of one Horticulture Palnt	1.00	No.	219	219.00
	Amount for 70 Plant				15330.00
				<b>Add 3% contengency</b>	<b>459.9</b>
				<b>Total</b>	<b>15789.90</b>
				<b>say</b>	<b>15800.00</b>

Average cost of one Horticulture Palnt	226
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*Abstract of Horticulture Plant*

S.No	Plant Name	Qty	Unit	Rate	Amount
1	Aawla	1.00	No.	167	167.00
2	Orange	1.00	No.	761	761.00
3	Papaya	1.00	No.	70	70.00
4	Guava	1.00	No.	121	121.00
5	Ber	1.00	No.	127	127.00
6	Karonda	1.00	No.	139	139.00
7	Neembu	1.00	No.	151	151.00
	Average cost of one Horticulture Palnt	1.00	No.	219	219.00
	Amount for 50 Plant				10950.00
				<b>Add 3% contengency</b>	<b>328.5</b>
				<b>Total</b>	<b>11278.50</b>
				<b>say</b>	<b>11300.00</b>

Average cost of one Horticulture Palnt	161
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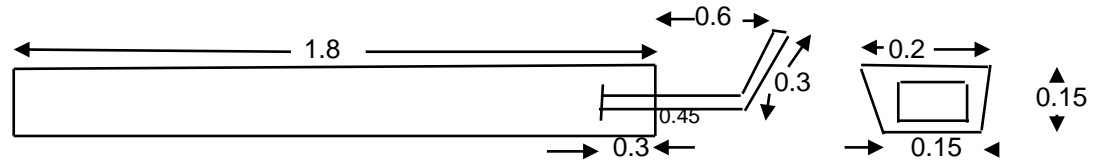
Calculation of B.C. ratio

(Amount in lacs)

S. No.	Year	Discount factor $1/(1+.07)^n$ (n=No. of yr.)	Capital cost	Benefits	Present Worth of actual cost(3X4)	Present worth of Benefit(3X5)	B.C. Ratio
1	2	3	4	5	6	7	8
1	I	0.93	153000.00	0.00	142990.65	0.00	1.31
2	II	0.87	1020.00	0.00	890.91	0.00	
3	III	0.82	1020.00	37500.00	832.62	30611.17	
4	IV	0.76	1020.00	37500.00	778.15	28608.57	
5	V	0.71	1020.00	37500.00	727.25	26736.98	
6	VI	0.67	1020.00	37500.00	679.67	24987.83	
7	VII	0.62	1020.00	37500.00	635.20	23353.12	
8	VIII	0.58	1020.00	37500.00	593.65	21825.34	
9	IX	0.54	1020.00	37500.00	554.81	20397.52	
10	X	0.51	1020.00	37500.00	518.52	19063.10	
Total			162180	300000.00	149201.44	195583.63	

**Fencing post**

**Model estimate  
IWMP Jodhpur 39**



No of post 100

S.No	Name of work	Item no.	No	Length	Width	Hight	Qty	Unit	Rate	
1	Cement concrete 1:2:4	121 A	100	1.8	0.18	0.15	4.73	Cum	3014	14241.15
2	Centering & shutering	45A	100	1.8	0.3		54	Sqm	88	4752.00
3	Rain forcement with tor bar 8mm bar Ring specing 0.20 mtr & Hook 6mm		400	1.8	720	0.5	360	KG		
			900	0.5	450	0.282	126.9	KG		
		46					486.9	KG	47	22884.30
4	Angle iron 25*25*3		100	1.05	105	1.176	123.48	Kg	47	5803.56

Cost for 100 posts	<b>47681.01</b>
Cost for one post	476.81
Add 3% contengency	14.30
Total	<b>491.11</b>
Say	<b>491.00</b>

Area 0.50 Ha  
Say 0.50 Ha

Length 283 mtr.  
Say 280 mtr.  
Specing 6.5 mtr.

No of post As per length= Length/specing 43 Total 43  
Two Additional post require after every 10 Posts

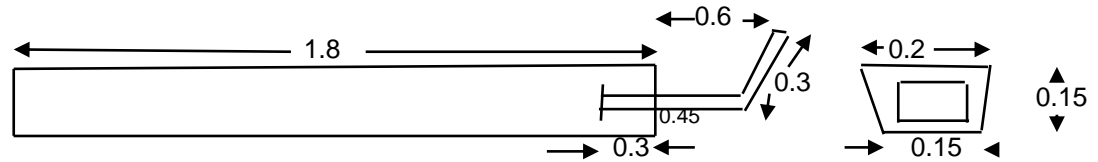
S.No	Discription	Item no.	No	Length of single wire	Total length	Kg/mtr	Quantity	Unit	Rate	Amount
1	Supply of barberbed wire fencing 14 gauge	65	6	280	1680	0.08	134.4	Kg	56	7526.40
2	Supply of cement concrete post	mo.est.	43				43.00	No	491.00	21113.00
3	Transpotation of posts 2 km.	107	43			0.04725	2.03	Cum	108.6	220.65
4	Transpotation of posts to pit up to one km.	107	43				2.03	No	98.8	200.74
5	fixing of Rcc post in 45 cm. deep pit	2B	43	0.45	0.45	0.45	3.92	Cum	92	360.49
6	Cost of binding wire	mo.est.					5.1	Kg	47.41	241.79
7	Tidening of barberbed wire	5.5/forest					1680	mtr	0.95	1596.00

Fencing will be done by Project

Total	<b>31259.07</b>
Add 3% contengency	937.77
G Total	<b>32196.84</b>
Say	<b>32197.00</b>

**Fencing post**

**Model estimate  
IWMP Jodhpur 39**



No of post 100

S.No	Name of work	Item no.	No	Length	Width	Hight	Qty	Unit	Rate	
1	Cement concrete 1:2:4	121	100	1.8	0.18	0.15	4.73	Cum	3014	14241.15
2	Centering & shutering	45A	100	1.8	0.3		54	Sqm	88	4752.00
3	Rain forcement with tor bar 8mm bar Ring specing 0.20 mtr & Hook 6mm		400	1.8	720	0.5	360	KG		
			900	0.5	450	0.282	126.9	KG		
		46					486.9	KG	47	22884.30
4	Angle iron 25*25*3		100	1.05	105	1.176	123.48	Kg	47	5803.56

Cost for 100 posts **47681.01**

Cost for one post 476.81

Add 3% contengency 14.30

Total **491.11**

Say **491.00**

Area 0.35 Ha  
Say 0.35 Ha

Length 237 mtr.

Say 240 mtr.

Specing 6.5 mtr.

No of post As per length= Length/specing 37 Total 37  
Two Additional post require after every 10 Posts

S.No	Discription	Item no.	No	Length of single wire	Total length	Kg/mtr	Quantity	Unit	Rate	Amount
1	Supply of barberbed wire fencing 14 gauge	65	6	240	1440	0.08	115.2	Kg	56	6451.20
2	Supply of cement concrete post	mo.est.	37				37.00	No	491.00	18167.00
3	Transpotation of posts 2 km.	107	37			0.04725	1.75	Cum	108.6	189.86
4	Transpotation of posts to pit up to one km.	107	37				1.75	No	98.8	172.73
5	fixing of Rcc post in 45 cm. deep pit	2B	37	0.45	0.45	0.45	3.37	Cum	92	310.19
6	Cost of binding wire	mo.est.					5.1	Kg	47.41	241.79
7	Tidening of barberbed wire	5.5/forest					1440	mtr	0.95	1368.00

Total **26900.77**

Add 3% contengency 807.02

G Total **27707.79**

Say **27708.00**

Fencing will be done by Project

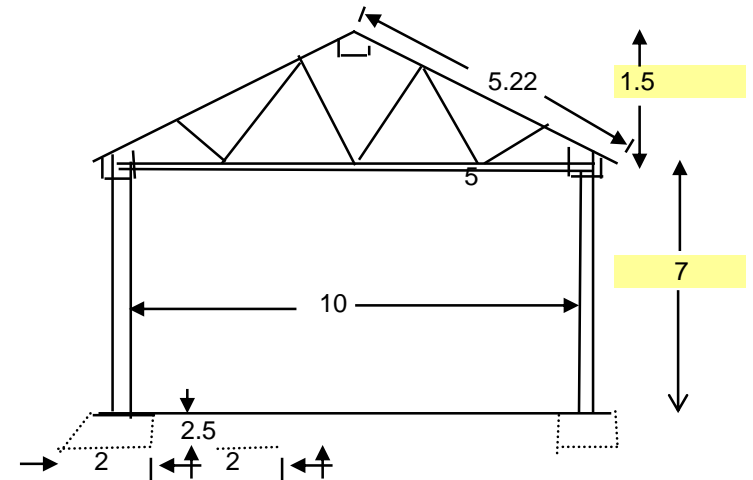
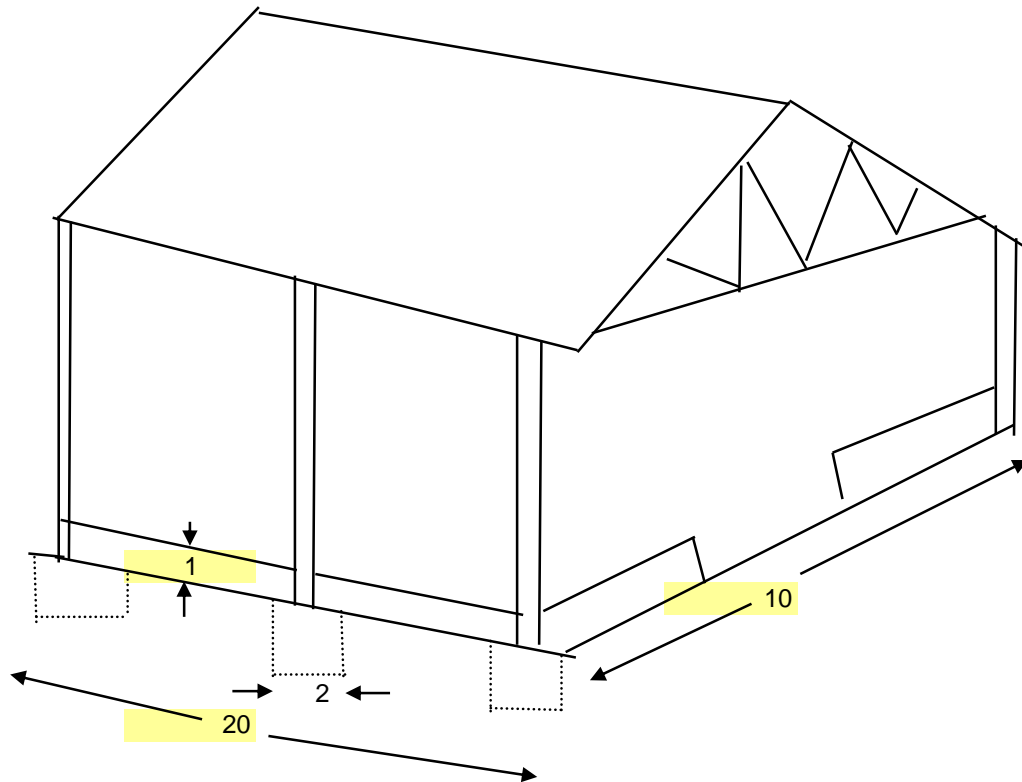
**MODEL ESTIMATE OF AGRO FORESTY**

S.N	Details of work	Qty	Rate	Unit	Amount
1	CVH	112	47.59	PER MET.	5330.08
2	Excavation of earth work in hard soil for digging of pits, 0.45 x0.45 x0.45 = 0.0911X22 = 2 cum	2.00	100.00	cum	200.00
3	Treatment of pits				
A	Through chemicals	22.00	0.60	Per plant	13.20
B	Through mannure	22.00	0.30	Per plant	6.60
4	Planting of plant with rehandling upto 100m,refilling of soil & compaction etc	22.00	6.50	Per plant	143.00
5	Cost of Plant including transportation	22.00	6.00	Per plant	132.00
6	Cost of Mannure including transportation	22.00	6.00	Per Kg	132.00
	Total				5956.88
	Contengency 3%				178.71
	<b>Grand total</b>				<b>6135.59</b>
				<b>Per Hac</b>	<b>6136.00</b>
				<b>20% GAPFILLING</b>	1227.2
				<b>Rs.</b>	<b>7363.00</b>

### Abstract of cost Warmi compost unit

Sr. no	Name of work	Project cost				Measures
		Unit cost	Project	Contribution	Total	
1	Warmi Compost Unit		60%	40%		
		35255.67	21153.4	14102.2697	35255.67	Production
	<b>Say</b>	<b>0.35</b>	<b>0.21</b>	<b>0.14</b>	<b>0.35</b>	Lacs

IWMP Jodhpur 39



## Model Estimate

IWMP Jodhpur 39

Warmi Composte

So.No	Name of work	Item no.	No	Length	width	Hight	Qty	Unit	Rate	Amount	
1	Excavation Hard soil	2B	6	2	2	2.5	60				
								1.70	Cum	100	170.07
2	C/C (1:5:10)	11B/B	6	2	2	1	24				
								0.68	Cum	1704	1159.18
3	Stone mesonary (1:6)	24A/A 25	6	2	2	1.5	36				
			2	16.25	1	1	32.5				
			2	10	1	1	20				
								88.5	cuf		
								2.51	Cum	2075	5205.14
			6	1.25	1.25	7	65.625				
						1.86	Cum	2251	4187.13		
4	Pillor mesonary	27					1.86	Cum	594	1104.91	
5	Plaster (1:6) 25 mm	67A	6	5		7	210				
			2	16.25		3	97.5				
			2	10		3	60				
								367.5	Sqf		
								34.15	Sqm	147	5020.68
6	Chenal 3" * 1.5" Angle(1.5"*1.5")  Angle (1"*1")			Length		Kg/feet	Kg				
			3	20	60	1.25	75	Kg	47	3525.00	
			6	5.22	31.32	0.9	28.19	Kg	47	1324.87	
			3	10	30	0.9	27.00	Kg	47	1269.00	
			3	8	24	0.35	8.40	Kg	47	394.80	
7	PVC Nalidar Sheet		14	6	3		252				
								23.42	Sqm	400	9368.03
8	color and finising									500.00	
9	Warmi						2	Kg	500	1000.00	
Total										34228.81	
Add 3% Contingency										1026.86	
Say										<b>35255.67</b>	

## *Abstract cost of Tankā with Plantation work*

*For Genaral & OBC Category*

Sr. no	Name of work		Project cost			Convergence with Ag.Ext dept.			Measures
			Project	Contribution	Total	Govt share	Farmer share	Total	
			90%	10%					
1	Cost of tankā	143900.00	129510.00	14390.00	143900.00				Conservation measure for water harvesting
			60%	40%					
2	Cost of Horticulture plantation	11000.00	6600.00	4400.00	11000.00				Production
3	Cost of Barbered wire fencing with post fixing	32700.00	19620.00	13080.00	32700.00				Production
4	Cost of Drip irrigation system	15000.00				13500.00	1500.00	15000.00	Production
	<b>Total for production</b>	<b>58700.00</b>	<b>26220.00</b>	<b>17480.00</b>	<b>43700.00</b>	<b>13500.00</b>	<b>1500.00</b>	<b>15000.00</b>	
	<b>Total Cost of tankā unit</b>	<b>202600.00</b>	<b>155730.00</b>	<b>31870.00</b>	<b>187600.00</b>	<b>13500.00</b>	<b>1500.00</b>	<b>15000.00</b>	
	<i>Say</i>	<b>2.03</b>	<b>1.56</b>	<b>0.32</b>	<b>1.88</b>	<b>0.14</b>	<b>0.02</b>	<b>0.15</b>	Lacs

*For SC/ BPL*

Sr. no	Name of work		Project cost			Convergence with Ag.Ext dept.			Measures
			Project	Contribution	Total	Govt share	Farmer share	Total	
			95%	5%					
1	Cost of tankā	143900.00	136705.00	7195.00	143900.00				Conservation measure for water harvesting
			80%	20%					
2	Cost of Horticulture plantation	11000.00	8800.00	2200.00	11000.00				Production
3	Cost of Barbered wire fencing with post fixing	32700.00	26160.00	6540.00	32700.00				Production
4	Cost of Drip irrigation system	15000.00				13500.00	1500.00	15000.00	Production
	<b>Total for production</b>	<b>58700.00</b>	<b>34960.00</b>	<b>8740.00</b>	<b>43700.00</b>	<b>13500.00</b>	<b>1500.00</b>	<b>15000.00</b>	
	<b>Total Cost of tankā unit</b>	<b>202600.00</b>	<b>171665.00</b>	<b>15935.00</b>	<b>187600.00</b>	<b>13500.00</b>	<b>1500.00</b>	<b>15000.00</b>	
	<i>Say</i>	<b>2.03</b>	<b>1.72</b>	<b>0.16</b>	<b>1.88</b>	<b>0.14</b>	<b>0.02</b>	<b>0.15</b>	Lacs

*Note :-* 1 Rates are taken as per GKN Bap Distt. Jodhpur. & forest dept.

2 For Horticulture plantation is as per norms of Agriculture Dept.

3 For development of this unit drip irrigation will be taken in convergence with Agriculture Dept.

## *Design of tanka*

Collection of Water = Area X rainfall X 80%

Capacity as per Structural design

$$\begin{aligned} \text{Catchment Area} &= \frac{\pi}{4} \times D^2 \\ D &= 11.62 \\ &= 106 \text{ Sqm} \\ \text{Rainfall} &= 0.3 \text{ Mtr} \\ \text{Collection of water} &= 25.44 \text{ Cum} \\ \text{Capacity Cum*1000} & \\ &= 25440 \text{ Liter} \end{aligned}$$

$$\begin{aligned} \text{Cum} &= \frac{\pi}{4} \times D_t^2 \times \text{Hight} \\ D_t &= \text{Inner diameter of tanka} \\ D_t &= 3 \\ \text{Hight} &= 3.55 \\ &= 25.1 \text{ Cum} \\ \text{Capacity Cum*1000} & \\ &= 25100 \text{ Liter} \end{aligned}$$

*Hence rainfall on catchment area can fillup the tanka by water*

### *Production*

Total capacity of tanka	25100 Ltr
Use of water for drinking purpose 40%	10040 Ltr
Avable water for plantation 60%	15060 Ltr
One watering require	15 Ltr
No of watering per Year	20 No
Total Ltr require per plant per year	300 Ltr

$$\begin{aligned} \text{No of plant can survive} &= \text{Avable plantation for Plantation/ water require per plant per year} \\ &= 50 \\ \text{say} &= 50 \text{ Plant} \end{aligned}$$

## *Model estimate Tanka*

### *IWMP Jodhpur 39*

#### *Contruction of Tanka*

Outer dia of Tanka	D =	3.9 m
Inner dia of Tanka	d =	3 m
Depth of foundation	u =	3.6 m
Depth of Hard Soil	u1 =	0.3 m
Depth of Murrum	u2 =	1.2 m
Depth of Compacted Murrum	u3 =	2.1 m
Hight of Tanka	H =	4.2 m
Hight above Ground Level	h1 =	0.6 m
Thickness of Tanka wall	T =	0.45 m
Hight of Boundary wall	h =	0.6 m
Thickness of Boundary wall	t =	0.6 m

S.No	Discription	Item no.	Qty	Unit	Rate	Amount
1	Earth work Excavation in hard soil up to 1.5 mt Hight and deposited excavated meterial lead op to 50	2B	$\frac{\pi}{4} \times D^2 \times u1$	Cu m	100.00	359.00
2	Earth work Excavation in murrum soil up to 1.5 mt Hight and deposited excavated meterial lead op to 50	2B	$\frac{\pi}{4} \times D^2 \times u2$	Cu m	146.00	2093.64
3	Earth work Excavation in compacted murrum soil up to 1.5 mt Hight and deposited excavated meterial lead op to 50 one extra lift	2B+3	$\frac{\pi}{4} \times D^2 \times 1.5$	Cu m	194.00	3478.42
4	Earth work Excavation in compacted murrum soil up to 1.5 mt Hight and deposited excavated meterial lead op to 50 two extra lift	2B+3	$\frac{\pi}{4} \times D^2 \times (u3-1.50)$	Cu m	205.80	1475.59
5	Cement concrete 1:4:8 (1cement:4 sand:8 concrete) 40 mm concrete	11CA	$\frac{\pi}{4} \times D^2 \times 0.30$	Cu m	1891.00	6788.69
6	RR stone mesonary in Cement sand mortar 1 : 6	24A,25	$\frac{\pi}{4} \times (D^2 - d^2) \times D$	Cu m	2075.00	39487.25

7	Lintal work supply & fixing in Cement sand mortar 1 : 4	31	$0.45 \times 0.35 \times (D - 0.45)$	0.54	Cu m	4404.00	2378.16
8	Cement Plaster 1 : 6 ( 1 cement : 6 sand) 25 mm thick	66A	$\pi \times d \times (H - h_1)$	33.94	Sq m	147.00	4989.18
9	Roof on tanka with Jodhpur stone slabe including Pointing of joints & 50 mm Cement concrete 1 : 2 : 4	36C	$\frac{\pi}{4} \times d^2$	7.07	Sq m	825.00	5832.75
10	50 mm Cement concrete 1 : 2 : 4 cement : 2 sand : 4 concrete) 12mm (1	56	$\frac{\pi}{4} \times D^2$	11.95	Sq m		
			$\frac{\pi}{4} \times d^2$	7.07	Sq m		
				19.02	Sq m	230.00	4374.60
12	Cement Plaster 1 : 6 ( 1 cement : 6 sand) 20 mm thick on stone	67B	$\pi \times D \times h_1$	7.35	Sq m	97.00	712.95
	TOTAL A						<b>71970.23</b>

***Contruction of Tankga Agor***

Outer dia of Agor	D =	11.62 m
Inner dia of Agor	d =	11.02 m
Depth of foundation	u =	0.3 m
Hight of Agor	H =	0.6

S.No	Discription	Item no.		Qty	Unit		Amount
1	Earth work Excavation in hard soil up to 1.5 mt Hight and deposited excavated material lead op to 50	2B	$\frac{\pi}{4} \times (D^2 - d^2) \times u$	3.20	Cu m	100.00	320.00
2	Cement concrete 1:4:8 (1cement:4 sand:8 concrete) 40 mm concrete	11CA	$\frac{\pi}{4} \times (D^2 - d^2) \times 0.15$	1.60	Cu m	1891.00	3025.60
3	RR stone mesonary in Cement sand mortar 1 : 6	24A,25	$\frac{\pi}{4} \times (D^2 - d^2) \times H$	6.40	Cu m	2075.00	13280.00
4	Cement Plaster 1 : 6 ( 1 cement : 6 sand) 20 mm thick on stone	67B	$\pi \times (D + d) \times H$	42.69	Sq m	97.00	4140.93
5	supply of murrum		$\frac{\pi}{4} \times d^2 \times (H + 0.00) / 2$	28.63	Cu m		0.00
6	Net Quantity required	89B	(Req. -Exvted) murrum	0.00	Cu m	50.00	0.00
7	Transpotation of murrum 5Km.	105		0.00	Cu m	122.60	0.00

8	Spreading of murrum	5		0.00	Cu m	37.00	0.00
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9	50 mm Cement concrete 1 : 2 : 4 cement : 2 sand : 4 concrete) 12mm	(1	56	$\frac{\pi}{4} \times (D^2 - d^2)$	10.67	Sq m	230.00	2454.10
	Total B							<b>23220.63</b>

### *Contruction of Hodi*

S.No	Discription	Item no.		Qty	Unit		Amount
1	Earth work Excavation in hard soil up to 1.5 mt Hight and deposited excavated material lead op to 50	2B	2 X 1.0 X 1.20 X 0.90	2.16	Cu m	100.00	216.00
2	RR stone mesonary in Cement sand mortar 1 : 6	24 A/B,25	2 X 0.60 X 0.30 X 0.60	0.22			
			1 X 1.20 X 0.30 X 0.60	0.22			
			2 X 0.60 X 0.30 X 0.60	0.22			
			1 X 1.20 X 0.30 X 0.60	0.22			
				0.88	Cu m	2075.00	1826.00
3	Cement concrete 1:5:10 (1cement:5 sand:10 concrete) 40 mm concrete	11B/A	2 X 1.20 X 0.90 X 0.10	0.22	Cu m	1704.00	374.88
4	Cement Plaster 1 : 6 ( 1 cement : 6 sand) 20 mm thick on stone	67B	2 X 0.60 X 0.60	0.72			
			2 X 1.80 X 0.60	2.16			
			4 X 0.60 X 0.30	0.72			
			2 X 1.20 X 0.30	0.72			
				4.32	Sq m	97.00	419.04
	Total C						<b>2835.92</b>

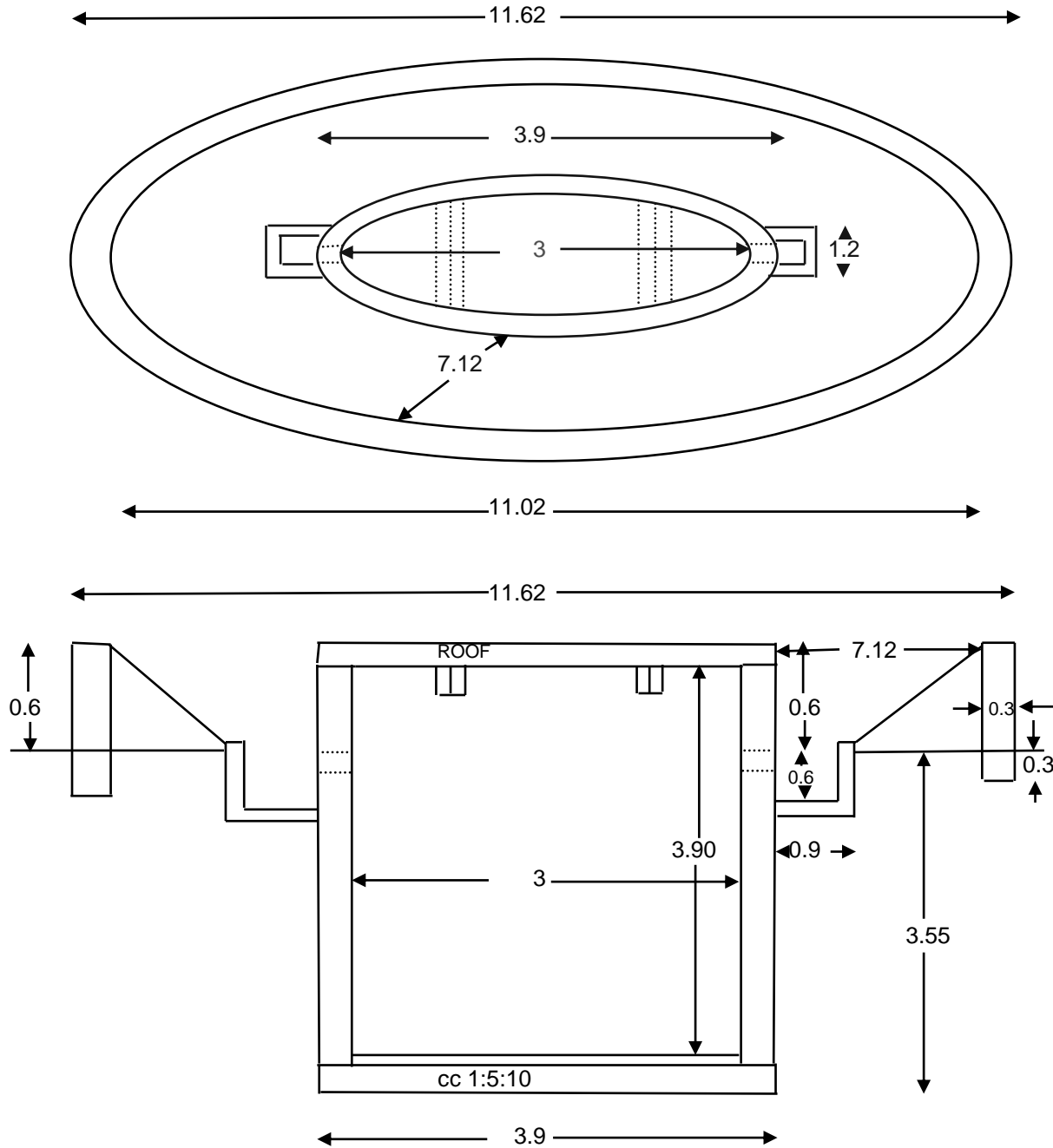
### *Miss work*

1	Gate as per voucher L .S.			1	no.	700.00	700.00
2	Jali inlets L. S.			2	no.	450.00	900.00
3	Spreding And compection of excaveted soil in required profile	5 A-B	$\frac{\pi}{4} \times d^2 \times 0.30$ Agor	28.63			
			$\frac{\pi}{4} \times D^2 \times 0.30$ Tanka	3.59			
				25.04	Cu m	37.00	926.48

4	Lime concreting in lime mortar 1 cu m quantity with 83 kg lime & 0.5 cum sand mix well and compacted by durmat	8	↗ X d <sup>2</sup> X 0.20 Agor	19.08			
			↗ X D <sup>2</sup> X 0.20 Tanka	2.39			
				16.69	Cu m	1397.00	23315.93
5	S & F of water tank for drip irrigation purpose at required height for Drip Head purpose with a capacity of 2000 liter					L & S	18000.00
6	Hand - Pump & Pipe					L & S	2000.00
	Total D						<b>45842.41</b>

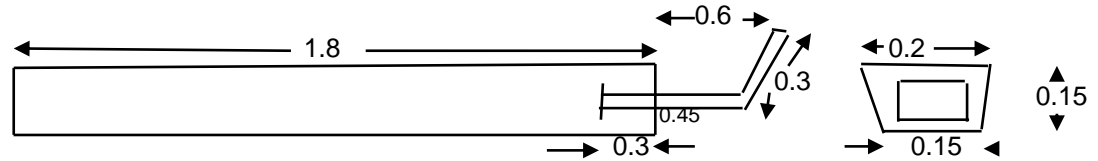
PLAN

IWMP Jodhpur 39



**Fencing post**

**Model estimate  
IWMP Jodhpur 39**



No of post 100

S.No	Name of work	Item no.	No	Length	Width	Hight	Qty	Unit	Rate	
1	Cement concrete 1:2:4	121A	100	1.8	0.18	0.15	4.73	Cum	3014	14241.15
2	Centering & shutering	45A	100	1.8	0.3		54	Sqm	88	4752.00
3	Rain forcement with tor bar 8mm bar Ring specing 0.20 mtr & Hook 6mm		400	1.8	720	0.5	360	KG		
			900	0.5	450	0.282	126.9	KG		
		46					486.9	KG	47	22884.30
4	Angle iron 25*25*3		100	1.05	105	1.176	123.48	Kg	47	5803.56

Cost for 100 posts **47681.01**

Cost for one post 476.81

Add 3% contengency 14.30

Total **491.11**

Say **491.00**

Area 0.35 Ha  
Say 0.40 Ha

Length 253 mtr.

Say 250 mtr.

Specing 6.5 mtr.

No of post As per length=

Length/specing

38

Total

Two Additional post require after every 10 Posts

10

48

S.No	Discription	Item no.	No	Length of single wire	Total length	Kg/mtr	Quantity	Unit	Rate	Amount
1	Supply of barberbed wire fencing 14 gauge	65	6	250	1500	0.08	120	Kg	47	5640.00
2	Supply of cement concrete post	mo.est.	48				48.00	No	491.00	23568.00
3	Transpotation of posts 2 km.	107	48			0.04725	2.27	Cum	108.6	246.30
4	Transpotation of posts to pit up to one km.	107	48				2.27	No	98.8	224.08
5	fixing of Rcc post in 45 cm. deep pit	2B	48	0.45	0.45	0.45	4.37	Cum	92	402.41
6	Cost of binding wire	mo.est.					5.1	Kg	47.41	241.79
7	Tidening of barberbed wire	5.5/forest					1500	mtr	0.95	1425.00

Total **31747.58**

Add 3% contengency 952.43

G Total **32700.01**

Say **32700.00**

Fencing will be done by Project

Calculation of B.C. ratio

(Amount in lacs)

S. No.	Year	Discount factor $1/(1+.07)^n$ (n=No. of yr.)	Capital cost	Benefits	Present Worth of actual cost(3X4)	Present worth of Benefit(3X5)	B.C. Ratio
1	2	3	4	5	6	7	8
1	I	0.93	153000.00	0.00	142990.65	0.00	1.31
2	II	0.87	1020.00	0.00	890.91	0.00	
3	III	0.82	1020.00	37500.00	832.62	30611.17	
4	IV	0.76	1020.00	37500.00	778.15	28608.57	
5	V	0.71	1020.00	37500.00	727.25	26736.98	
6	VI	0.67	1020.00	37500.00	679.67	24987.83	
7	VII	0.62	1020.00	37500.00	635.20	23353.12	
8	VIII	0.58	1020.00	37500.00	593.65	21825.34	
9	IX	0.54	1020.00	37500.00	554.81	20397.52	
10	X	0.51	1020.00	37500.00	518.52	19063.10	
Total			162180	300000.00	149201.44	195583.63	

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## टांके का विस्तृत कार्य तकमीना

## कार्य का नाम:-

क्र.स.	कार्य	नाप	मात्रा		ईकाई	Rate			Amount		
			फीट	मी.		Labour		Total	Labour		Total
						Labour	Total Lab		Labour	Total Lab	
1	टांके की खुदाई कार्य इनलेट का खुदाई कार्य आगोर दीवार का खुदाई कार्य सख्त मिट्टी में	3.143 / 4.00 X (12)2 X 8.00 = 905.18 2 X 3.00 X 3.00 X 2.00 = 36.00 3.143 X 34.75 X 1.50 X 1.50 = 245.74 1186.92	1186.92	33.61	घ.मी.	91.10	100.00	100.00	3061.87	3361	3361
1.1	टांके की खुदाई कार्य कटोर मुरम में	3.143 / 4.00 X (12)2 X 1.00 = 113.14	113.14	3.20	घ.मी.	136.70	146.00	146.00	437.44	467.2	467.2
1.2	टांके की खुदाई कार्य कटोर चट्टान में	3.143 / 4.00 X (12)2 X 0.00 = 0.00	0.00	0.00	घ.मी.	183.80	194.00	194.00	0	0	0
1.3	अतिरिक्त लिफ्ट	3.143 / 4.00 X (12)2 X 5.00 = 565.74	565.74	16.02	घ.मी.	11.80	11.80	11.80	189.036	189.036	189.036
2	सिमेंट कंकरीट (1:5:10) कार्य जिसमें 40मि.मी. आकार के पत्थर की गिट्टी हो एवं तराई कुटाई का कार्य	3.143 / 4.00 X (12)2 X 0.50 = 56.57 0 X 3.00 X 3.00 X 0.50 = 0.00 56.57	56.57	1.60	घ.मी.	313.10	358.10	1704.00	500.96	572.96	2726.4
3	नीव में 40 मि.मी. नामीय माप के साथ 40 प्रतिशत गारे मिट्टी को मिलाकर डालना और कूटना। पत्थर की गिट्टी के साथ	3.143 X 34.75 X 1.50 X 0.50 = 81.91 81.91	81.91	2.32	घ.मी.	207.3	265.8	776	480.936	616.656	1800.32
4	नीव व कुर्सी में बेरहा पत्थर की ढोका चुनाई कुर्सी से 4.50मी उचाई तक 30 सेमी तक मोटी दीवार का कार्य (1 सीमेन्ट:6बजरी) घटाईये	3.143/4X((12)2-(9.5)2)X10.5 = 443.46 0 X 3.00 X 3.00 X 0.5 = 0.00 443.46 2 X 1.25 X 1.25 X 1.25 = 3.91 3.91 शुद्ध मात्रा 439.55	439.55	12.45	घ.मी.	205.8	525.3	2075	2562.21	6539.985	25833.75
5	नीव तथा कुर्सी में पत्थर की वे रद्धा-ढोका चिनाई, गारा मसाले में।	3.143 X 34.75 X 1.50 X 1.00 = 163.83 3.143 X 34.75 X 1.25 X 2.00 = 273.05 436.88	436.88	12.37	घ.मी.	205.8	525.3	1568	2545.75	6497.961	19396.16
6	पत्थर के सिरदल (लिटल) की आपूर्ति कर, चिनाई में उपयोग की गई मसाले में उसे लगाना। पाट	2 X 9.00 X 1.00 X 0.50 = 9.00 9.00	9.00	0.25	घ.मी.	326.70	1326.70	4404.00	81.675	331.675	1101
7	अपूछ खान की पट्टी की छत, छत के दोनों तरफ के जोड़ सीमेंट के मसाला 1:4 में भरना, घटाईये	3.143 / 4.00 X (12)2 = 113.15 113.15 1 X 1.50 X 1.50 = 2.25 110.90	110.90	10.30	घ.मी.	14.7	299.7	825	151.41	3086.91	8497.5
8	सीमेन्ट कंकरीट 1:2:4 की फर्श, किनारों को गोल करना इत्यादी का कार्य (20 मी. मी. गिट्टी की नाप सहीत)	= = आईटम संख्या 7 के अनुसार 110.90	110.90	10.30	घ.मी.	33.8	101.3	230	348.14	1043.39	2369
9	सीमेन्ट कंकरीट 1:2:4 की फर्श का कार्य 20 मिमी गिट्टी	3.143 / 4.00 X (9.5)2 = 70.91 3.143 X 36.00 X 1.25 = 141.44 212.35	212.35	19.73	घ.मी.	33.8	101.3	230	666.874	1998.649	4537.9

		Model RR tanka estimate.xlsx Anki Comp									
10	नई दीवार पर सीमेंट प्लास्टर 1:6 में 25एम.एम. में	3.143 X 9.50 X 10.25 = 306.05 = 0.00 = 0.00 = 0.00 306.05	306.05	28.43	व.मी.	27.90	86.40	147.00	793.197	2456.352	4179.21
11	नई दीवार पर सीमेंट पोईन्टिंग का कार्य 1:3	3.143 X 12.00 X 2.50 = 94.29 3.143 X 36.00 X 2.00 = 226.29 3.143 X 33.50 X 2.00 = 210.58 531.16	531.16	49.34	व.मी.	15.1	51.1	62	745.034	2521.274	3059.08
12	टांके का ढक्कन सप्लाई करने व लगाने का कार्य साईज 0.45X0.45	1 X 1.50 X 1.50 = 2.25	2.25	0.21	व.मी.			LS	100		537
13	अन्य आवश्यकता अनुसार कार्य Silt Trap, Jali, Hand Pump etc	LS						LS	200		2000
								कुल योग	12864.5	29683.05	80054.56

	16818.5		
Mashon	37	450	16650
Lab	88	147	12936
			29586

Material Consumption

	Cement	Bajari	Stone	Gitty		Gara	Patti	Sirdal	Other	Total	Water
				40	20						
Qt	41.000	7.480	27.560	3.760	1.410	5.260	11.330	0.250			
Rate	270.00	475	900	465.00	625.00	85.00	410.00	2900.00	as per		
Amt	11070.00	3553	24804	1748.40	881.25	447.10	4645.30	725.00	2400	50274.05	194.51
										Total Mat+Lab+Water	80054.56

## Crop Demostration in Watershed Area

Crop Name :- Wheat

Veraity:- Raj-3077 / Raj-4037 / H.I.-153

S. No.	Activity	Type	Unit	Rate	Per Hactor		Demostration (0.%Ha.)		Sp. Detail
					Quantity	Amount	Quantity	Amount	
1	Land Treatmeent	Andosalphan 4	k.g	28/-kg.	25	700	12.5	350.0	
2	Seed		k.g	17.50/-kg.	125	2188	62.5	1093.8	
3	Seed Treatment								
(I)	Deemak Control	Clorofiorofas 20 E.C.	M.L.	300LIT.	600	180	300.0	90.0	
(II)	Diecies due to seed	Thairan	gm.	0.20/-gm.	312.5	62.5	156.3	31.3	
(B.)	Calture								
(I)	Ajotovector	Three packet is sufficient		10/Each		30		15.0	
(II)	P.S.B.	Three packet is sufficient		10/Each		30		15.0	
3	Fertilizer								
(I)	Nitrojan		k.g		80		40.0		
(II)	Phosphoras		k.g		35		17.5		
(III)	D.A.P.		k.g	9.30/kg.	77	716	38.5	358.1	
(IV)	Urea		k.g	5/kg.	146	730	72.8	365.0	
4	Small element	Zink Sulphate	k.g	45/kg.	25	1125	12.5	562.5	
5	Weed control								
(I)		2-4, D (A.I.)	M.L.	250/LIT.	500	125	250.0	62.5	
6	Plant conservation								
(I)	Deemak	Andosalfan 35EC	LIT.	280/LIT.	2.5	700	1.3	350.0	
<b>TOTAL</b>						<b>6586</b>		<b>3293.0</b>	

## Crop Demostration in Watershed Area

Crop Name :- Channa

Veraiity:-Pratap Vhanna RSG -888

S. No.	Activity	Type	Unit	Rate	Per Hactor		Demostration (0.%Ha.)		Sp. Detail
					Quantity	Amount	Quantity	Amount	
1	Land Treatmeent	Qnalphas 1.5%	k.g	25/-kg	25	625	12.5	312.5	
2	Seed		k.g	31/kg.	80	2480	40.0	1240.0	
3	Seed Treatment								
(I)	Jadgalan rog	6 gm Tikodarma				10		5.0	
(B.)	Calture								
(I)	Raijobium Calture	Three packet is sufficient		10/Each		30		15.0	
(II)	PSM.	Three packet is sufficient		10/Each		30		15.0	
3	Fertilizer								
(I)	Nitrojan		k.g		20		10.0		
(II)	Phosphoras		k.g		40		20.0		
(III)	D.A.P.			9.30/kg.	88	818	44.0	409.2	
(IV)	Urea			5/kg.	186	930	92.8	465.0	
4	Crop Conservation								
(I)	Katvarm	Mithail Perathiya 2% mixture	k.g	16/-kg.	25	400	12.5	200.0	
(II)	Phali chedak	Melathiyan 5 % or Qnalfas 1.5%	k.g	25/-kg.	25	625	12.5	312.5	
<b>TOTAL</b>						<b>5948</b>		<b>2974.0</b>	

## Crop Demonstration in Watershed Area

Crop Name :- Mustered

Veraiity :- Bio 902 / Vashundhara

S. No.	Activity	Type	Unit	Rate	Per Hactor		Demostration (0.%Ha.)		Sp. Detail
					Quantity	Amount	Quantity	Amount	
1	Land Treatmeent	Andosalphan 4	k.g	28/-kg.	25	700	12.5	350.0	
		Zipsum	k.g		250	500	125.0	250.0	
2	Seed		k.g	38/-kg.	4	152	2.0	76.0	
3	Seed Treatment								
(I)		Menkojev 2gm/kg seed		400/-kg.		10		5.0	
(B.)	Calture								
(I)	PSM.	Three packet is sufficient		10/Each		30		15.0	
(II)	PSM.	Three packet is sufficient		10/Each		30		15.0	
3	Fertilizer								
(I)	Nitrojan		k.g		60		30.0		
(II)	Phosphoras		k.g		30		15.0		
(III)	D.A.P.			9.30/kg.	66	613.8	33.0	306.9	
(IV)	Urea			5/kg.	121	605	60.7	302.5	
4	Small element	Sulphar powder	gm.	10	40	400	20.0	200.0	
<b>TOTAL</b>						<b>3040.8</b>		<b>1520.0</b>	

## Crop Demostration in Watershed Area

Crop Name :- Macca

Veraity :- Pratap sankar macca 1/ Navjot

S. No.	Activity	Type	Unit	Rate	Per Hactor		Demostration (0.%Ha.)		Sp. Detail
					Quantity	Amount	Quantity	Amount	
1	Land Treatmeent	Andosalphan 4% Powder	k.g	28/-kg.	25	700	12.5	350.0	
2	Seed		k.g	27/-kg.	20	540	10.0	270.0	
3	Seed Treatment								
(I)	Tulasita Rog	Ridomil M Z 4gm/kg seed	gm.		80	120	40.0	60.0	
(II)	Deemak control	3 ml Andosalphan / kg seed		28/-kg.		25		12.5	
(III)		Thairam	gm.	20/-	3	60	1.5	30.0	
(B.)	Calture								
(I)		Treated with azotovector calture				100		50.0	
(II)	Phosphoras	Threepacket phashphovactin PSD		10/Each		30		15.0	
(III)	PSM.	Threepacket phashphovactin PSD		10/Each		30		15.0	
3	Fertilizer								
(I)	Nitrojan		k.g		60		30.0		
(II)	Phosphoras		k.g		30		15.0		
(III)	D.A.P.			9.30/kg.	66	614	33.0	306.9	
(IV)	Urea			5/kg.	121	605	60.7	302.5	
4	Small element	Difficiency of Zink	k.g	45/-kg.	25	1125	12.5	562.5	
5	Weed control	Phlookalorin (A.I.)	LIT.	180/-PKT.	600	108	300.0	54.0	
<b>TOTAL</b>						<b>4057</b>		<b>2028.0</b>	

## Crop Demonstration in Watershed Area

Crop Name :- Urad

Veraity :- Krishana / T-9

S. No.	Activity	Type	Unit	Rate	Per Hactor		Demostration (0.%Ha.)		Sp. Detai
					Quantity	Amount	Quantity	Amount	
1	Land Treatment	Mithail Perathiyen 2% powder	k.g	16/-kg.	25	400	12.5	200.0	
2			k.g	47/-kg.	15	705	7.5	352.5	
3	Seed Treatment								
(I)			gm.	20	3	60	1.5	30.0	
(B.)	Calture								
(I)	Phasphoras	Threepacket phashphovactin PSD		10/Each		30		15.0	
(II)	PSM.	Threepacket phashphovactin PSD		10/Each		30		15.0	
3	Fertilizer								
(I)	Nitrojan		k.g		10		5.0		
(II)	Phosphoras		k.g		30		15.0		
(III)	D.A.P.			9.30/kg.	66	614	33.0	307.0	
(IV)	Urea			5/kg.	141.2	705	70.6	352.5	
4	Weed control	Phlookalorin (A.I.)	LIT.	500/-LIT.	1	500	0.5	250.0	
<b>TOTAL</b>						<b>3044</b>		<b>1522.0</b>	

## Crop Demostration in Watershed Area

Crop Name :- Moong

Veraity :- Pusha Beshakhi / Rmg -902

S. No.	Activity	Type	Unit	Rate	Per Hactor		Demostration (0.%Ha.)		Sp. Detail
					Quantity	Amount	Quantity	Amount	
1	Land Treatment	Mithail Perathiyen 2% powder	k.g	16/-kg.	25	400	12.5	200.0	
2	Seed		k.g	41/-kg.	15	615	7.5	307.5	
(A.)	Calture								
(I)	PSM.	Three packet is sufficient		10/Each		30		15.0	
(II)	Raizibium	Three packet is sufficient		10/Each		30		15.0	
3	Fertilizer								
(I)	Nitrojan		kg.		10		5.0		
(II)	Phosphoras		kg.		30		15.0		
(III)	D.A.P.			9.30/kg.	66	614	33.0	307.0	
(IV)	Urea			5/kg.	141	705	70.6	352.5	
<b>TOTAL</b>						<b>2394</b>		<b>1197.0</b>	

## Crop Demostration in Watershed Area

Crop Name :- Til

Veraity :- R T -46 / TC -25

S. No.	Activity	Type	Unit	Rate	Per Hactor		Demostration (0.%Ha.)		Sp. Detail
					Quantity	Amount	Quantity	Amount	
1	Land Treatment	Mithail Perathiyam 2% powder	k.g	16/-kg.	25	400	12.5	200.0	
		Zipsum	k.g		250	500	125.0	250.0	
2	Seed		k.g	127/-kg.	2	254	1.0	127.0	
3	SSSeed Treatment								
(I)		Thairam	gm.	20	3	60	1.5	30.0	
(II)	Jeevanu Angbhari Rog	Esdeptocycline 10 lit Water	gm.	35/-isdSV	2	70	1.0	35.0	
(B.)	Calture								
(I)	Ajotovector	Three packet is sufficient		10/Each		30		15.0	
(II)	PSM.	Three packet is sufficient		10/Each		30		15.0	
3	Fertilizer								
(I)	Nitrojan		k.g		20		10.0		
(II)	Phosphoras		k.g		25		12.5		
(III)	D.A.P.			9.30/kg.	55	512	27.5	256.0	
(IV)	Urea			5/kg.	113.1	565	56.5	282.5	
4	Weed control	Alakalor (A.I.)	k.g		1.5	100	0.8	50.0	

Crop Demonstration in Watershed Area									
Crop Name :- Gwar									
Veraiity :- Durgapura Saphed / Pusha Navbahar									
S. No.	Activity	Type	Unit	Rate	Per Hactor		Demostration (0.%Ha.)		Sp. Detail
					Quantity	Amount	Quantity	Amount	
1	Land Treatment								
2	Seed		k.g	35/-kg.	15	525	7.5	262.5	
3	Seed Treatment								
(I)	Angmaro Rog	250 ppm Agrimicin		60		563		281.5	
(II)	Thairam		gm.	20	3	60	1.5	30.0	
(B.)	Calture								
(I)	Raizobium Calture	Three packet is sufficient		10/Each		30		15.0	
(II)	PSM.	Three packet is sufficient		10/Each		30		15.0	
3	Fertilizer								
(I)	Nitrojan		k.g		10		5.0		
(II)	Phosphoras		k.g		40		20.0		
(III)	D.A.P.			9.30/kg.	88	818	44.0	409.0	
(IV)	Urea			5/kg.	189.6	950	94.8	475.0	
4	Small element	Zink Sulphate	k.g	45/-kg.	25	1125	12.5	562.5	
5	Weed Control	2-4 D Aster salt	gm.	250/-kg.	500	125	250.0	62.5	
<b>TOTAL</b>						<b>4226</b>		<b>2113.0</b>	

## Crop Demostration in Watershed Area

Crop Name :- Jwar

Veraity :- Rajasthan Charri - 1,2 / CSH - 5,6

S. No.	Activity	Type	Unit	Rate	Per Hactor		Demostration (0.%Ha.)		Sp. Detail
					Quantity	Amount	Quantity	Amount	
1	Land Treatmeent	Andosalphan 4% Powder	k.g	28/-kg.	25	700	12.5	350.0	
2	Seed	For seed	k.g	26/-kg.	10	260	5.0	130.0	
		For Chara	k.g		25		12.5		
3	Seed Treatment								
(I)		Thairam	gm.	20	3	60	1.5	30.0	
(II)		Sulphar Powder	gm.		4	400	2.0	200.0	
(B.)	Calture								
(I)	Azotovector	Three packet is sufficient		10/Each		30		15.0	
(II)	PSM.	Three packet is sufficient		10/Each		30		15.0	
3	Fertilizer								
(I)	Nitrojan		k.g		80		40.0		
(II)	Phosphoras		k.g		45		22.5		
(III)	D.A.P.			9.30/kg.	99	920.7	49.5	460.4	
(IV)	Urea			5/kg.	186.1	930	93.1	465.0	
4	Small element	Zink Sulphate powder	k.g	45/-kg.	25	1125	12.5	562.5	
<b>TOTAL</b>						<b>4455.7</b>		<b>2228.0</b>	

<b>Crop Demostration in Watershed Area</b>				
S. No.	Activity	Type	Unit	Rate
1	2	3	4	5
1	Demostration of Wheat	Rabi Demostration	6	3293.00
2	Demostration of Channa	Rabi Demostration	8	2974.00
3	Demostration of Mustered	Rabi Demostration	3	1520.00
4	Demostration of Macca	Rabi Demostration	0	2028.00
Avearge cost of one Demostration				<b>2454.00</b>
1	Demostration of Urad	Kharif Demostration	0	1522.00
2	Demostration of Moong	Kharif Demostration	8	1197.00
3	Demostration of Til	Kharif Demostration	6	1261.00
4	Demostration of Gwar	Kharif Demostration	12	2113.00
5	Demostration of Jwar	Kharif Demostration	8	2228.00
Avearge cost of one Demostration				<b>1664.00</b>

## *Silvi Pasture Development*

*Area 10 ha*

### *Benefit*

### *Abstract of Cost*

Name of work	Cost
V. Ditch	202200
Agro Forestry	555900
Water Harvesting Structure	197600
Fencing	349224
	<b>1304924</b>
Say	<b>13.05</b> Lacs

**say per ha cost of pasture development work is 1.34 lac per ha**

Area	Production		Rate	Amount	Expenditure		Net return	Net return for three year	
	Ha	Kg/ha			Kg	per kg			
Dhaman seed	10	25	250	100	25000	10	2500	22500	67500
Dhaman grass	10	2000	20000	4	80000	1	20000	60000	180000
								<b>82500</b>	<b>247500</b>

Note:- This benefit is for initial phase. If we manage it best we can fulfill other requirement of villagers like fodder problem &, fuel wood problem

To get final phase proper management require for this through WDF fund We will get Desi Babul wood for furniture making to support livelihood of land less labours

Note :- Over head tank has been taken to life saving watering for plantation.and to supply drinking water for pets animal & birds

## *Design of Water Harvesting Structure*

Collection of Water = Area \* rainfall\*30%

Capacity as per Structural design

Catchment Area = 0.186 ha.  
 = 1860 Sqm  
 Rainfall = 0.3 Mtr

Cum= Area\*Hight  
 Area = 88

Hight = 1.50

Collection of water = 167.4 Cum

132 Cum

Capacity Cum\*1000  
 = 167400

Capacity Cum\*1000  
 = 132000

*Hence rainfall on catchment area can fillup the tanka by water*

### *Production Measures*

Total requirement of water for pasture development=

One watering require 15 Ltr

No of watering per Year 4 No

Total Ltr require per plant per year 60 Ltr

No of plant can survive = capacity/ water require per plant per year

= 2200  
 say 2200 plant

No of plant	water require per plant	Total water require	Avable water	Water require from outhur source	Source
5000	60	300000 Ltr	132000	168000	Anicut

## Model Estimate

### *Water Harvesting Structure Water tank For collection of water*

Length	Width	Hight			Wall Width
		Excavation	Above GL	Mesonary	
11	8	2.2	0.6	2.5	0.45

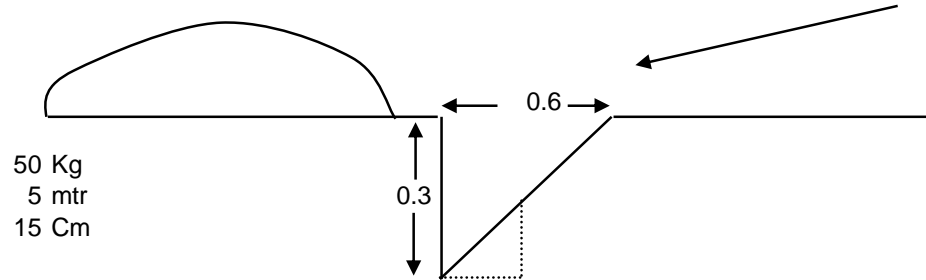
Capacity	Plant	Ha.
<b>167200</b>	<b>Ltr</b>	<b>0.50</b>

So.no	Activity	No	Length	Width	Hight	Qty	Unit	Rate	Amount
1	Earth work Excavation in hard soil up to 1.5 mt Hight and deposited excavated material lead up to 150	2B	11	8	2.2	193.6	cum.	100	19360.00
2	Spreding And compection of excavated soil in required profile	5	11	8	2.2	193.6	cum.	40	7744.00
3	Cement concrete 1:4:8 (1cement:4 sand:8 concrete) 40/25 mm concrete Using mixture & vibrater	11C/A	11	8	0.3	26.4	cum.	1897	50080.80
4	RR stone mesonary in Cement sand mortar 1 : 6	24A/A	11.9	0.45	2.5	26.775			
			8	0.45	2.5	18			
						44.775	cum.	2075	92908.13
5	50 mm Cement concrete 1 : 2 : 4 (1 cement : 2 sand : 4 concrete) 12mm	56	11.9	0.45		10.71			
			8	0.45		7.2			
						17.91	sqm.	230	4119.30
6	Cement Plaster 1 : 6 ( 1 cement : 6 sand) 25 mm thick	66A	11		2.5	55			
			8		2.5	40			
						95	sqm.	147	13965.00
7	Cement Plaster 1 : 6 ( 1 cement : 6 sand) 25 mm thick on stone	67A	11.9		0.6	14.28			
			8.9		0.6	10.68			
						24.96	sqm.	147	3669.12
<b>Total</b>									<b>191846.35</b>
Add 3% Contingency									5755.39
<b>G Total</b>									<b>197601.74</b>

### Estimate for V.Ditch

Area	Length	Width	Interwell	No of row	Length
Ha	mtr	mtr	mtr		mtr
10	1000	100	5	200	20000

Dhaman require =5 kg/ha  
Spacing  
Spacing of grass seed



Sr. no.	Name of work	Item no.	No	Length	Width	Hight	Qty	Unit	Rate	Amount
1	Jungal clearence July flora	80		800	60		48000	Sqm	1.4	67200.00
2	Earth work Excavation in hard soil up to 1.5 mt Hight and deposited excavated materal lead op to 50	120A/B	0.5	20000	0.60	0.3	1800.00	Cum	100	180000.00
3	Making of balls of grass seed(1:1:2:2) 1 grass seed:1FYM : 2 sand : 2 clay	3/1/9 forest	50 kg				50.00	Per 6 kg materal	17	850.00
4	Showing of balls of grass seed by dibling method at 30 cm spacing	3/2/9 forest	50 kg				50	Per 6 kg materal	109	5450.00
5	Cost of seed			CAZARI Jodhpur			50	Kg	200	10000.00
									Total	196300.0
									Add 3% contengecy	5889.0
									G Total	202189.0
									Say	<b>202200.0</b>

## Model estimate for Plantation

<i>Plant to pant Spacing</i>	<i>5</i>	<i>5</i>	<i>25</i>	<i>Sqm</i>	<i>No of plant</i>	<i>4000</i>
<i>Available Area</i>			<i>10</i>	<i>Ha</i>	<i>Gap filling 20%</i>	<i>800</i>
					<i>Total no of Plants</i>	<i>4800</i>

S.No	Discription	Item no	Total		Length	Width	Hight	Qty	Unit	Rate	Amount	Amount for 10 ha.
			Year	No./Year								
1	Diging of pit( kankar boulder soil)	110 C		1	0.45	0.45	0.45	1.00	No	7.4	7.40	35520.00
2	Mixing with soil & filling pit	5		1	0.45	0.45	0.3	0.06	cum.	36.8	2.24	10752.00
3	Cost of Plant	As per forest						1.00	No.	5	5.00	24000.00
4	Planting tree	111 A						1.00	No.	3.2	3.20	15360.00
5	Making thavla	115 A	3	1				1.00	No.	1.9	1.90	9120.00
6	Hoing	114	3	1				3.00	No.	1.3	3.90	18720.00
7	Insectiside treatment	Market rate	3		0.03 ml			0.009	Ltr	300	2.70	12960.00
8	Watering	115	3	9				27.000	no	1.8	48.60	233280.00
9	Watch & ward	Minimum weges	3	36				36.00	Month	3510	32	151632.00
					Water require per watering	Waterring per year	No of plant	Water requirement				
10	Supply of water tanker	106 B	3	15	9	1		405.00	per 1000 ltr 2km	14.6	5.91	28368.00
	<b>TOTAL</b>										<b>Total</b>	<b>539712.00</b>
											Contengency 3%	16191.36
											Grand total	<b>555903.36</b>
											<b>Say</b>	<b>555900.00</b>

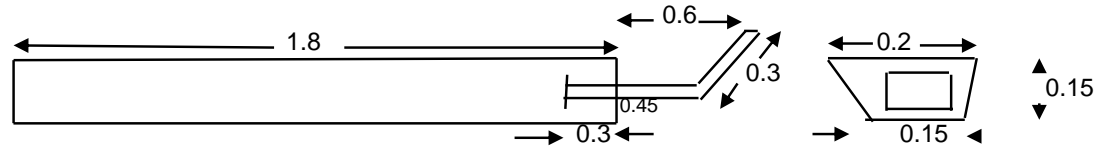
Problem & solution:-

Note :-

NEEL GAY ( Roz) can destroy all plantation work. Such that Watch and ward require on agriment We have Chokidar for this Area in this estimate. We supplying water by Tanker . Estimate include gap filling 20 %

*Model estimate*

*Fencing post*



No of post 100

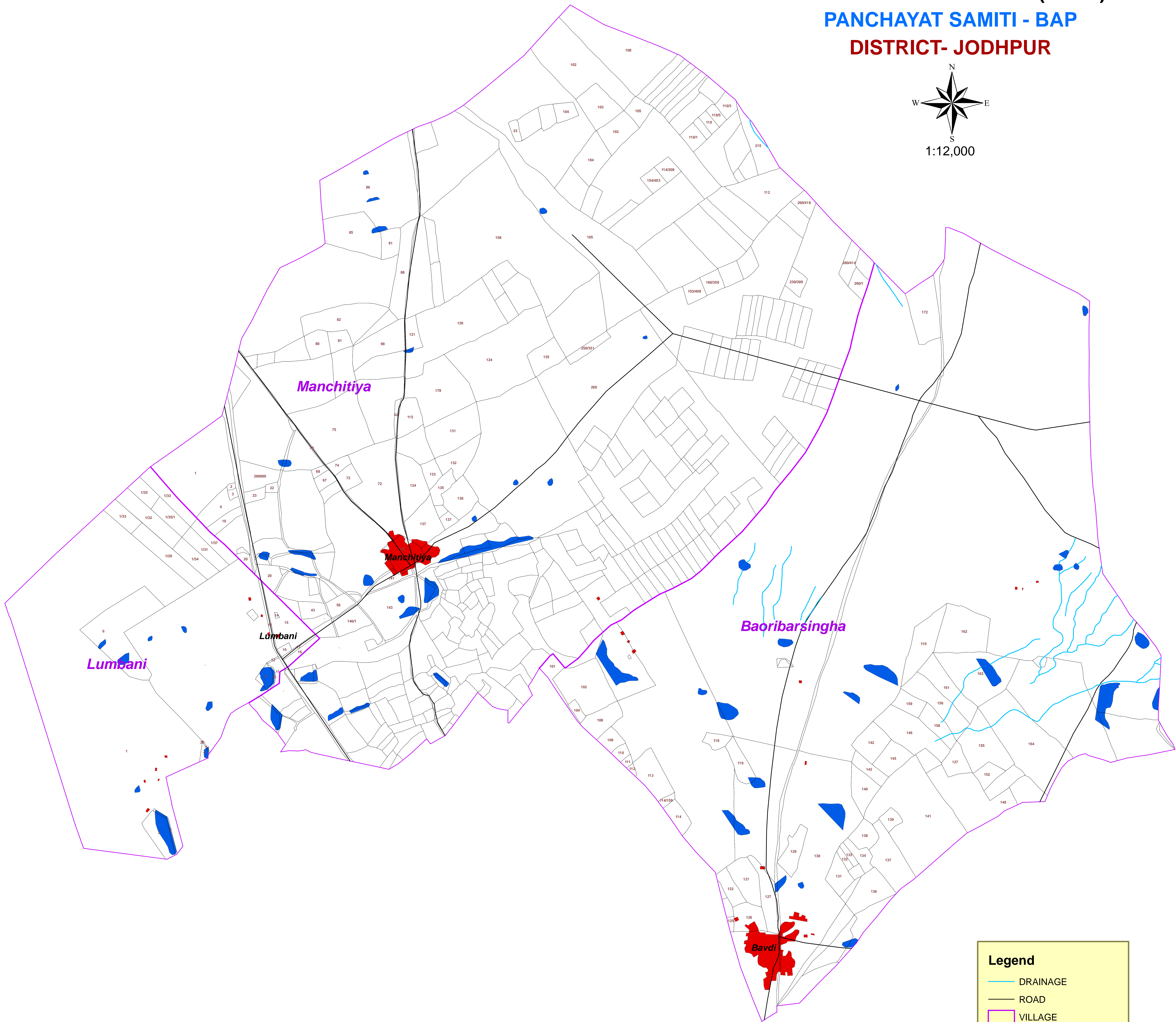
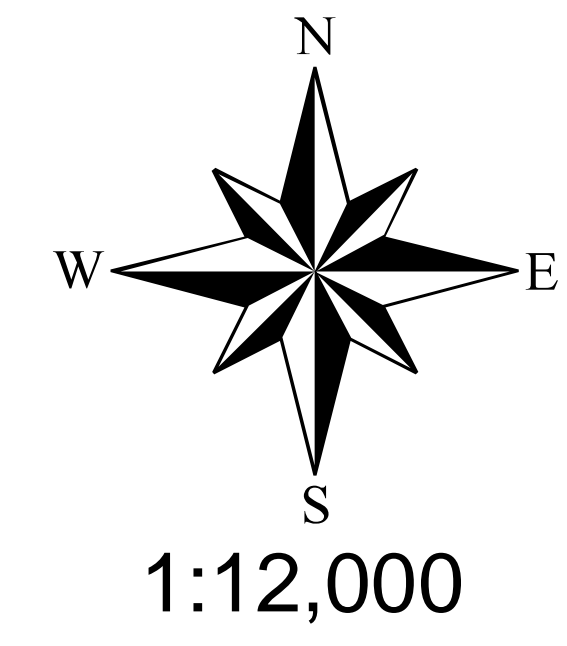
S.No	Name of work	Item no.	No	Length	Width	Height	Qty	Unit	Rate	
1	Cement concrete 1:2:4	121A	100	1.8	0.18	0.15	4.73	Cum	3014	14241.15
2	Centering & shuttering	45A	100	1.8	0.3		54	Sqm	88	4752.00
3	Rain forcement with tor bar 8mm bar Ring specing 0.20 mtr & Hook 6mm		400	1.8	720	0.5	360	KG		
			900	0.5	450	0.282	126.9	KG		
		46					486.9	KG	47	22884.30
4	Angle iron 25*25*3		100	1.05	105	1.176	123.48	Kg	47	5803.56
Cost for 100 posts							Cost for 100 posts		<b>47681.01</b>	
Cost for one post							Cost for one post		476.81	
							Add 3% contengency		14.30	
							Total		<b>491.11</b>	
							Say		<b>491.00</b>	
							Say		<b>491.00</b>	

Area 10.00 Ha  
Say 10.00 Ha  
Length 2200 mtr.  
Say 2200 mtr.  
Specing 6 mtr.

No of post As per length= Length/specing 367 Total  
Two Additional post require after every 10 Posts 75 442

S.No	Discription	Item no.	No	Length of single wire	Total length	Kg/mtr	Quantity	Unit	Rate	Amount
1	Supply of barberbed wire fencing 14 gauge	65	6	2200	13200	0.08	1056	Kg	56	59136.00
2	Supply of cement concrete post	mo.est.	442				442.00	No	491.00	217022.00
3	Transpotation of posts 2 km.	107	442			0.04725	20.88	Cum	108.6	2268.06
4	Transpotation of posts to pit up to one km.	107	442				442.00	No	98.8	43669.60
5	fixing of Rcc post in 45 cm. deep pit	2B	442	0.45	0.45	0.45	40.28	Cum	92	3705.51
6	Cost of binding wire	mo.est.					15	Kg	47.41	711.15
7	Tidening of barberbed wire	5.5/forest					13200	mtr	0.95	12540.00
							Total		<b>339052.32</b>	
							Add 3% contengency		10171.57	
							G Total		<b>349223.89</b>	
							Say		<b>349224.00</b>	

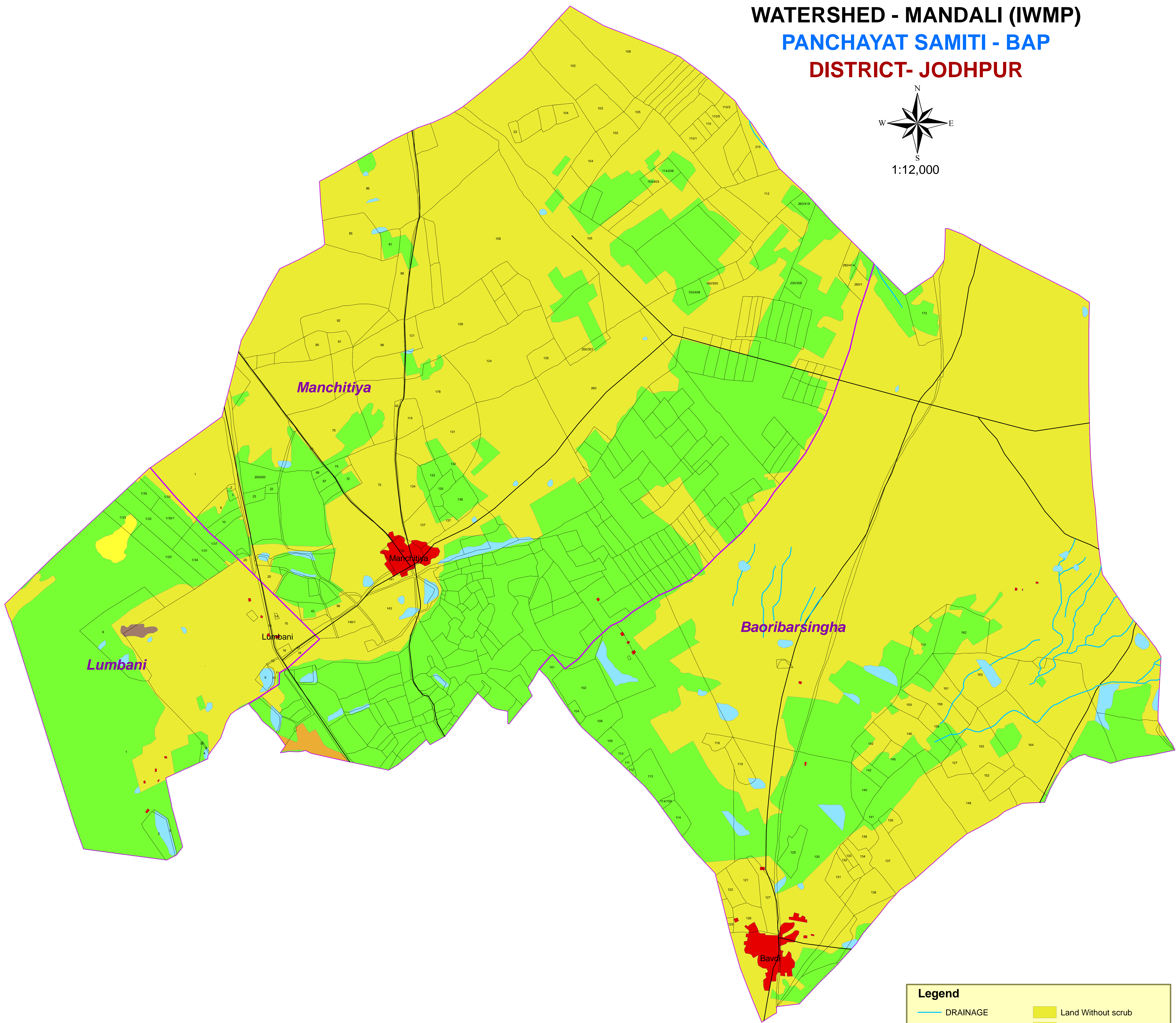
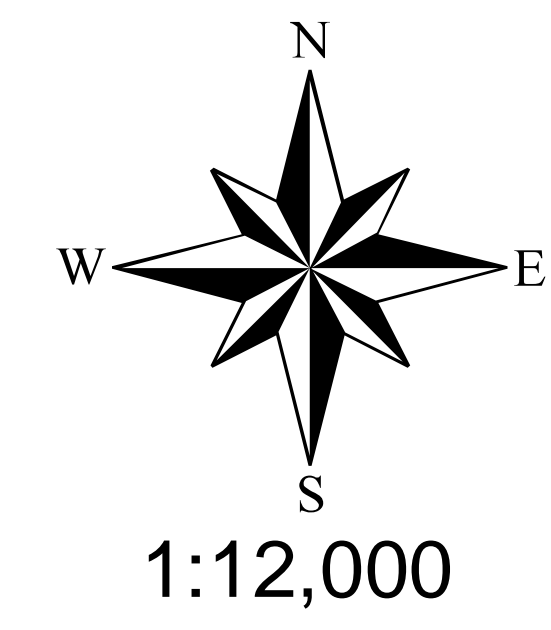
**GEOREFERENCED KHASRA MAP**  
**WATERSHED - MANDALI (IWMP)**  
**PANCHAYAT SAMITI - BAP**  
**DISTRICT- JODHPUR**



**Legend**

- DRAINAGE
- ROAD
- VILLAGE
- KHASRA BOUNDARY
- SETTLEMENT
- RIVER/ WATERBODY

**LAND USE LAND COVER MAP**  
**WATERSHED - MANDALI (IWMP)**  
**PANCHAYAT SAMITI - BAP**  
**DISTRICT- JODHPUR**



Legend			
	DRAINAGE		Land Without scrub
	ROAD		Sandy Desertic Land
	VILLAGE		Settlement
	KHASRA BOUNDARY		Stony Waste
	Agriculture		Waterbody
	Land With Scrub		