OFFICE OF THE ASSTT. ENGINEER (PIA) IWMP P.S. JALORE

DETAILED PROJECT REPORT

OF

JALORE VI (IWMP)

(UNDER INTEGRATED WATERSHED MANAGEMENT PROGRAMME)

BLOCK: JALORE DISTRICT : JALORE

AGRO CLIMATIC ZONE- IIB

TOTAL GEOGRAPHICAL AREA – 4521 Hac.

TOTAL EFFECTIVE AREA- 4521 Hac.

TOTAL COST- 678.15 Lacs.

UNIT COST- 15,000/Hac.

SUBMITTED BY

PROJECT MANAGER

DISTRICT WATERSHED DEVELOPMENT UNIT

JAORE, (RAJASTHAN)

DPR TEMPLATE

Index

S.No **Topics** **Page no.**

8.2 Documents of Agreements:

- Proceedings of gram sabha for EPA approval
- Proceedings of gram sabha Resolution for committee constitution
- Documents related to PRA exercise
- Proceedings of gram sabha for DPR approval
- Proceedings of Panchayat Samiti General body for DPR approval
- Watershed Committee Registration certificate
- MoU – PIA – DWMA, PIA – WC(in case of NGO as PIA)

CHAPTER – I

INTRODUCTION

Location.

Jalore-(IWMP) VI Project is located in Jalore Block, of Jalore district. The project area is between the 25° 24' N latitudes & 72° 40' E longitudes. It is at a distance of 18 km from its Block head quarters and 18 Kms from the district head quarters. There are 2853 no. of habitations in the Project area and other details are given below.

General features of watershed

S.No.	Name of Project(as per GOI)	Jalore (IWMP) VI
(a)	Name of Catchment	Jalore IWMP VI
(b)	Name of watershed area(local name)	Jalore VI
©	Project Area	4521 Ha.
(d)	Net treatable Area	4521 Ha.
e)	Cost of Project	678.15 Lac.
f)	Cost/hectare	15000
g)	Year of Sanction	2010-11
h)	Watershed Code	Bagli I st
i)	No. of Gram Panchayats in project area	4
j)	No. of villages in project area	8
k)	Type of Project	Desert
l)	Elevation (metres)	-
m)	Major streams	Jawai Stream
n)	Slope range (%)	0--3%

Macro/micro	Name of Gram Panchayat	Name of Villages Covered	Census code of villages	Area
9/1,9/2, 9/3	Rewat	Rewat	02293500	1616.72
9/1,9/2	Rewat	Mouk	02295000	54.22
9/3,9/4,9/5	Bhagli (Sindh.)	Bhagli (Sindh.)	02293600	1269.16
9/4,9/5	Bhagli (Sindh.)	Dhanpur	02294800	184.46

9/6,9/9	Bhagli (Sindh.)	Madalpura	02294900	374.54
9/9	Leta	Jalore B	02293800	294.16
9/9	Narnawas	Narnawas	02294600	118.44
9/9	Narnawas	Dhawala	0229400	608.92

The watershed falls in Agroclimatic Zone-II B .The soil texture is sandy-loam. The average rainfall is 402 mm. The temperatures in the area are in the range between 35--47 centigrade during summer and 08—25 centigrade during winter. The major crops in the area are Bajra, Moong. 75% land is under cultivation 8% land fallow, 6% land is wasteland. Nil land is irrigated through Tubewells.

752 No of households are BPL (26% households) 32 are landless households (1% households) and 1961 household are small and marginal farmers(69 %household) .Average land holding in the area is 1.08 ha. 79.74% area is single cropped area and 10.40% is double cropped. The main source of irrigation is Tube well's. The average annual rainfall (5 years) in the area is 412 mm. The Major streams in the Watershed are Jawai stream. The major festivals in the village are Holi, Deewali, krishana janamaastmi, Navratra, Id, Gangor, Raksha-bandhan. At present this village is having 16445 population with Communities like Rajput, Dewasi, Kumhar, Suthar, Mali, Rajpurohit, Meena, Megwal and Bhil.

Climatic and Hydrological information

1	**Average Annual Rainfall(mm)**	
	Year	Average Annual Rainfall(mm)
1	2001	340.00 mm
2	2002	171.60 mm
3	2003	660.60 mm
4	2004	314.20 mm
5	2005	320.60 mm
6	2006	713.20 mm
7	2007	368.00 mm
8	2008	343.60 mm
9	2009	198.60 mm
10	2010	446.34 mm
11	2011	401.79mm

2	**Average Monthly rainfall (last ten years)**	
	Month	Rainfall(mm)
i)	June	45.46

ii)	July	123.63		
iii)	August	149.56		
iv)	September	65.33		
3	**Maximum rainfall intensity (mm)**			
	Duration	rainfall intensity(mm)		
	i) 15 minute duration	--		
	ii) 30 minute duration	--		
	iii) 60 minute duration	--		
4	**Temperature (Degree C)**			
	Season		Max	Min
	i) Summer Season		45	25
	ii) Winter Season		25	13
	iii) Rainy Season		35	25

5	**Potential Evaporation Transpiration (PET) (mm/day)**			
	Season		PET	
	i) Summer		1.17	
	ii) Winter		0.53	
	iii) Rainy		0.31	
6	Runoff			
	i) Peak Rate (cum/hr)		-	
	ii) Total run off volume of rainy season (ha.m.)		-	
	iii) Time of return of maximum flood	5 years	10 years	In-Year
	iv)Periodicity of Drought in village area	-	-	-

Other Development Schemes in the project area

S.No	Scheme	Name of the department	Key interventions under the Scheme	Targeted Beneficiaries	Provisions under the Scheme
1	MG NREGA	RURAL DEVELOPMENT & PANCHAYAT RAJ DEPARTMENT	325	16445	16445
2	TFC		40		
3	SFC		38		
4	BRGF		17		
5	TSC		142	142	142
6	SGSY		Nil	Nil	Nil
7	IAY		24	24	24
8	UNTIED FUND				
9	CM BPL Yojana				

Details of infrastructure in the project areas

Parameters		Status			
(i)	No. of villages connected to the main road by an all-weather road	08			
(ii)	No. of villages provided with electricity	08			
(iii)	No. of households without access to drinking water	2425			
(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 12	(S) 4	(HS) -	(VI) -
(v)	No. of villages with access to Primary Health Centre	09			
(vi)	No. of villages with access to Veterinary Dispensary	0			
(vii)	No. of villages with access to Post Office	4			
(viii)	No. of villages with access to Banks	-			
(ix)	No. of villages with access to Markets/ mandis	0			
(x)	No. of villages with access to Agro-industries	NIL			
(xi)	Total quantity of surplus milk	1250 Ltr.			
(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) 04	(O) -
(xiii)	No. of villages with access to Anganwadi Centre	11			
(xiv)	Any other facilities with no. of villages (please specify)	-			
(xv)	KVK	Kesvana (Jalore)			
(xvi)	cooperative society	4			
(xvii)	NGOs	-			
(xviii)	Credit institutions				
	(i) Bank	-			
	(ii) Cooperative Society	4			
(xix)	Agro Service Centre's	-			

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

DWDU Details

1	2	3
S.No	**Particulars**	**Details of DWDU**
1.	PM ,DWDU	Sh. R.P. Vyas, Assistant Engineer
2.	Address with contact no., website	PM, DWDU District Jalore
3.	Telephone	9414263064
4.	Fax	-
5.	E-mail	dwdu.jalore@gmail.com

PIA particulars

1	2	3
S.No	**Particulars**	**Details of PIA**
6.	Name of PIA	Sh. Laxman Singh Sandu
7.	Designation	Assist. Engineer
8.	Address with contact no., website	AEN. (IWMP) P.S. Jalore
9.	Telephone	+919414291676
10	Fax	-
11	E-mail	Jalore.iwmp@gmail.com

WDT Particulars:

1	2	3	4	5	6	7	8
S. No	Name of WDT member	M/F	Age	Qualification	Experience in watershed(Yrs)	Description of professional training	Role/ Function
1	Sh. Jetmal Singh	M	37	B.A. Sociology.	-	Yes	SHG
2	Sh. Bansi Lal Vagda			1 Year Diploma in A.H.	Retd. Compounder	Yes	Animal Husbandry
3	Sh. Mahendra Singh	M	26	12th (Ag.)	-	Yes	Agriculture
4	-	-	-	-	-	-	Watershed Management & Soil Conservation

Details of Watershed Committees (WC)

S. N.	Name of WCs	Date of Gram Sabha for WC	Date of Registration as a Society (dd/mm/yyyy	Designation	Name	M/F	SC/ST/ OBC/General	Landless/ MF/SF/ BF	Name of UG/SHG	Educational qualification
1	**Rewat**	25-04-11	-	President	Lal singh S/o Guman Singh	M	Gen	MF	UG	B A
				Secretary	Shivnath Singh S/o Kan Singh	M	Gen	MF	-	Middle
				Member	Laxmi devi W/o Ramesh Kumar	F	SC	SF	SHG	Primary
					Nav Singh S/o Vag Singh	M	Gen	MF	-	Primary
					Keshar Singh S/o Karan Singh	M	Gen	MF	-	Secondary
					Gevaram S/o Punmaram	M	OBC	SF	-	Middle
					Modaram S/o Noparam	M	SC	SF	-	Primary
					Ratan Singh S/o Prem Singh	M	Gen	MF	UG	Primary
					Kesaram S/o Surtaram	M	SC	MF	-	Primary
					Supari Devi W/o Mangilal	F	OBC	SF	UG	Literate
					Ganesharam S/o Vira ji	M	OBC	MF	-	Primary
					Saklaram S/o Amraram	M	ST			-

S.N.	Name of WCs	Date of Gram Sabha for WC	Date of Registration as a Society (dd/mm/yyyy	Designation	Name	M/F	SC/ST/ OBC/ Gen	Landless /MF/SF/ BF	Name of UG/SHG	Educational qualification
2	**Bhagli**	26-04-11	-	President	Ishwar Singh S/O ganga Singh	M	Gen	MF	UG	Middle.
				Secretary	Vikram Singh S/O Ganpat Singh	M	Gen	MF	-	B. com
				Member	Gataram S/o Thanaram	M	SC	MF	-	-
					Narnaram S/o Ukaram	M	OBC	MF	UG	-
					Raju Singh S/o Vanne Singh	M	Gen	MF	-	-
					Dhuparam S/o Virmaram	M	OBC	MF	-	Primary
					Mahendra Singh S/o Lal Singh	M	Gen	MF	-	Primary
					Bhola Ram S/o Kenaram	M	SC	SF	-	-
					Suki Devi W/o Naringa ram	F	ST	SF	-	-
					Kanaram S/o Nimbaram	M	OBC	MF	UG	-
					Gafur Khan Madalpura	M	Gen	MF	-	Sec.

S.N.	Name of WCs	Date of Gram Sabha for WC	Date of Registration as a Society (dd/mm/yyyy	Designation	Name	M/F	SC/ST/ OBC/ Gen	Landless /MF/SF/ BF	Name of UG/SHG	Educational qualification
3	**Narnawas**	24-04-11	-	President	Smt Manohar Kawar W/O Sumer singh	F	Gen	BF	-	Literate
				Secretary	Chagnaram S/O Piraji	M	ST	MF	-	B.A.
				Member	Vikram Singh S/o Ranjit Singh	M	Gen	MF	-	Literate
					Juja ram S/o Surta ji	M	SC	MF	-	Literate
					Nenaram S/o Vajaram	M	SC	MF	-	-
					Sita Devi W/o Jamtaram	F	ST	MF	-	-
					Morki Devi W/o Mansa ram	F	ST	MF	SHG	-
					Chenaram S/o Manaram	M	SC	MF	-	H.Sec.
					Obaram S/o Pelaram	M	OBC	MF	-	-
					Chatraram S/o Surtaram	M	SC	MF	SHG	Literate
					Javaram S/o Dhibaram	M	ST	SF	-	-

S.N.	Name of WCs	Date of Gram Sabha	Date of Registration as a Society	Designation	Name	M/F	SC/ST/ OBC/ Gen	Landless /MF/SF/ BF	Name of UG/SHG	Educational qualification

		for WC	(dd/mm/yyyy							
4	**Leta**	19-06-10	-	President	Chaganlal S/0 Ganeshaji	M	OBC	BF	-	Middle
				Secretary	Tikmaram S/O Galbaram	M	OBC	MF	-	Secondary
				Member	Malu w/o Thanaram	F	OBC	MF	-	Literate
					Poni S/o Jasaram	F	OBC	L.Less	-	Ill Literate
					Kamla w/o Umaram	F	OBC	MF	-	Ill Literate
					Bhursingh s/o Khimvsingh	M	OBC	MF	UG	Literate
					Lalu khan ji s/o Kasam Khan ji	M	OBC	SF	-	Literate
					Mohanlal S/o Madaji	M	OBC	MF	UG	Literate
					Bhomaram S/o Khangarji	M	OBC	MF	UG	Secondary
					Chotharam S/o Achlaji	M	OBC	MF	-	Ill Literate
					Ukaram S/o Sangram ji	M	OBC	MF	-	Literate

Problems and scope of improvement in the project area

The socio economic conditions of the area can be improved through increased production which can be achieved through expansion in cultivated area and productivity enhancement. 12 ha land is arable wasteland and 869 ha is fallow can be brought under cultivation.

337 ha is only irrigated and with efforts this can be increased to 650 ha. The productivity gap of major crops in the area as compared with district and with areas in the same agro climatic zones indicate potential to increase the productivity. The demonstration of improved package of practices, improved varieties, increased irrigation facilities and soil conservation measures under the project can bridge this gap. Due to small land holdings in the area focus of the project would be on diversification in agriculture (horticulture, vegetables, green houses, Agro forestry, fodder crops) and diversification in Livelihoods(Agriculture, Animal husbandry, self employment)

89850 Quintal fodder scarcity can be met out through Pasture development .Improved animal Husbandry practices can increase the productivity of livestock. 2850 no of persons migrate due to Employment this migration can be checked through creation of employment opportunities in the project area through increase in production and diversification in agriculture and Livelihoods as mentioned above.

CHAPTER – II

Socio economic Features, Problems and Scope

Table 2.1 Population & Household Details:

Total Population				
Male	**Female**	**Total**	**SC**	**ST**
8498	7947	16445	3482	2968

Household Details						
BPL household	**L. Less**	**Small Farmer**	**M. Farmer**	**Total household**	**SC household**	**ST household**
752	32	886	1075	2853	473	278

Table 2.2 Development indicators

S. No.	Development Indicators	State	Project Area
1	Per capita income (Rs.)	16260	16150
2	Poverty ratio	0.22	26.56%
3	Literacy (%)	0.604	40.78%
4	Sex Ratio	926	935
5	infant mortality rate		5.90%
6	maternal mortality ratio		0.04%

The table indicates poor socio economic conditions.

Table 2.3 Land Use

Land Use	Total area in Ha.				
	Private	Panchayat	Government	Community	Total
Agriculture Land	4088	-	-	-	4088
Temporary fallow	-	-	-	-	-
Permanent Fallow	-	-	-	-	-
Cultivated Rainfed	3751	-	-	-	3751
Cultivated irrigated	337	-	-	-	337
Net Sown Area	4088	-	-	-	4088
Net Area sown more than once	3751	-	-	-	3751
Forest Land	-	-	-	-	-
Waste Land	-	-	159	-	159
Pastures	-	161	-	-	161
Others	-	-	-	113	113
Total	4088	161	159	113	4521

The project area has 12 ha of cultivable wasteland, 869 ha of fallow land (total 4521 ha) can be brought under cultivation if some irrigation source can be provided through Construction of WHS like Khadin, Tanka, Farm ponds etc. and also through demonstration of rainfed

varieties of crops. Construction of WHS can also increase in area under irrigation which is only 8.71%

337ha. (7.45% of the project area)is under wastelands and can be brought under vegetative cover, with reasonable effort .Activities like Earthen check dams, Vegetative filter strip, V-ditches, staggered trenches ,WHS (Earthen Bund) Afforestation of wastelands and Pasture development will be taken up on these lands

Pasture development the land use table shows that there is 161 hectare pasture land (3.56%)This emphasizes the need for taking up pasture land development works through sowing of promising species of grasses and plantation

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

Cropping Status												
S. No	Season	Crop sown	Rain fed				Irrigated				Total	
			Varieties	Area (ha)	Production (Ton)	Productivity (kg/ha)	Varieties	Area (ha)	Production (Ton)	Productivity (kg/ha)	Area (ha)	Production (Ton)
1	Kharif	Bajra	HHB 67	1865	1190	600	-	-	-	-	1865	1190
		Moong	K851	1005	264	500	-	-	-	-	429	264
2	Rabi	Mustered	-	-	-	-	Pusha Bold	337	514	1500	343	514
		Wheat	-	-	-	-	Raj 3077	-	-	2500	-	-
3	Jaid	-	-	-	-	-		-	-	-	-	-

Table 2.4.b Abstract of cropped Area(ha)	
Area under Single crop	2870
Area under Double crop	337
Area under Multiple crop	-

****Write for each crop:** The farmers are using WCC 75, Raj. 171, varieties of Bajra, whereas varieties like HHB 67, RCB2 can increase the production.

Crop Rotation**will vary from project to project

Bajra	-	Wheat
Bajra	-	Fallow
Moong	-	Mustered
Moong	-	Fallow
Fallow	-	Jeera
Fallow	-	Isabgoal
Fallow	-	Lucern
Cluster Bean	-	Fallow
Fallow	-	Tarameera

Til	-	Fallow
Caster	-	Caster
Moth	-	Fallow

The table 2.4.b shows that only 337 ha is (7.45%) is double cropped area. Also the crop rotation shows that fallow lands are there. This indicates that there is scope for change in crop rotation in fields where there are fallow lands through Soil and Water conservation measures, crop demonstration and diversification in agriculture.

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

Table 2.4.c Productivity Gap Analysis (The table can also be given in bar chart form)

Name of the crop	Productivity kg/ha				
	India	Highest Average in Rajasthan	Highest Average of Agro climatic zone	District	Project Area
Wheat	2708	2751	2200	2200	2200
Mustured	1095	1203	1250	1250	1250
Zeera	-	339	500	500	500
Isab gol	-	476	600	600	600
Bajra	886	679	750	750	800
Guar	-	277	400	400	500
Ground nut	866	1310	1000	1000	1000
Moong	-	312	450	450	500
Caster	-	997	800	800	850

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

The reasons for this variation are

- The farmers are using varieties WCC-75,Raj.171 of Bajra. whereas the recommended varieties like HHB 67, RCB -2 provide 18 qnt. yield (write for all crops)
- Lack of Availability of good quality seeds of desired crop and variety in adequate quantities and time to the farmers.
- Availability of water for cultivation

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

Table 2.5 Existing area under horticulture/Vegetables/Floriculture (ha)					
Activity	**Area(Hact.)**	**Species**	**Varieties**	**Recommended varieties**	**Production**
Horticulture	03	Anwla	Sakya	Banarasi	500Kg/hact.
Vegetables	03	Onion, Chilli, and Mix	Pusa Nasik red	-	300Qtl/hact
Floriculture	-	-	-	-	-
Medicinal Plants	202	isabgol	GI-2	RD-89	400Kg/hact.

Table 2.6 Land holding Pattern in project area

Type of Farmer	Total House holds	Land holding (ha) irrigation source wise			Land holding (ha)Social group wise				
		Irrigated (source)	Rain fed	Total	Gen	SC	ST	OBC	BPL
(i)Large farmer	108	229	337.59	566.59	165.46	64.02	29.46	307.65	-
(ii) Small farmer	886	95	1612.93	1707.93	503.73	187.99	88.81	927.40	-
(iii) Marginal farmer	1075	13	1800.48	1813.48	545.79	89.30	199.92	978.47	-
(iv) Landless person	32	-	-	-	-	-	-	-	-
(V)No. of BPL households	752	-	-	-	-	-	-	-	-
Total	2853	337	3751	4088	1214.98	341.31	318.19	2213.52	

69 % land holdings belong to small and marginal farmers who own 86.14 % of total cultivated area. Horticulture/vegetables could be more economical to Small and marginal farmers with irrigation source. For large farmers with no irrigation facility Horticulture/vegetables will be promoted in a part of land with farm pond/Tanka construction.

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

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

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

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

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

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

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

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

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

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

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

S.No.	Description of animals	Population in No.	Yield(milk/mutton/ Wool)	Equ. cow units	Dry matter requirement per year (7Kg per animal.)	Total requirement in M.T.
1	Cows					
	Indigenous	1968	4 ltr. per day	1968	4959360	4959.36
	Hybrid		6 ltr. per day		-	-
2	Buffaloes	3233	7 ltr. per day	3233	8147160	8147.16
3	Goat	1427	2 ltr. per day	1427	1541160	1541.16
4	Sheep	6866	½ kg per no.	6866	7415280	7415.28
5	Camel	38	-	38	95760	95.76
6	Poultry	21	-	21	0	0
7	Piggery	0	-	0	**0**	
	Total	13553	-	13553		22158.72

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

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

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

Table 2.8 Existing area under fodder (ha)

S.No	Item	Unit	Area/Quantity
1	Existing Cultivable area under Fodder	Ha	1500/10500
2	Production of Green fodder	Tonns/year	60/1800
3	Production of Dry fodder	Tonns/ Year	4500/22500
4	Area under Pastures	Ha	59/118
5	Production of fodder	Tonns/year	6552/37283
6	Existing area under Fuel wood	Ha	-
7	Supplementary feed	Kgs/ day	1 kg/965
8	Silage Pits	No	-
9	Availability of fodder	quintals	37283

i.Requirement of fodder= 46268 tonns
ii. Availability of fodder = 37283 tonns.
Deficiency of fodder = 46268-37283 = 8985 tonns.

The table above shows there is fodder deficiency (Requirement is 46268 tonns and 37283 tonns

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

- Increase in area under fodder crops
- Increase in productivity of fodder crops
- Development of pastures

- And reduction in large number of livestock production through replacement by few but productive animals

Table 2.9 Agriculture implements

1	2	3
S. No	**Implements**	**Nos.**
1	Tractor	473
2	Sprayers-manual/ power	95
3	Cultivators/Harrows	72
4	Seed drill	58
5	Any Other	00

Farm mechanization and seed banks: As discussed earlier 69% land holdings belong to small and marginal farmers who own only 11% of total cultivated area so owning of big farm implements by individual farmers is not economical so SHG would be promoted to buy farm implements and rent to farmer

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

Sr. no.	Name of village	Total No .of job cards	Employment Status	Activity taken up so far
1	Rewat	428	34768	Nadi,Tanka,Greval road,Bunding, Kharanja.
2	Mouk	370	17890	
3	Bhagli (Sindh.)	379	12345	
4	Dhanpur	365	18765	
5	Madalpura	311	11324	
6	Jalore B	457	124235	
7	Narnawas	465	43215	
8	Dhawala	380	36754	

Table 2.11 Migration Details

Name of village	No. of persons migrating	No. of days per year of migration	Major reason(s) for migrating	Distance of destination of migration from the village (km)	Occupation during migration	Income from such occupation (Rs. in lakh)
Rewat	175	325	Employment & Business	350-2000	Employment & Business	132.00
Mouk	69	325				65.00
Bhagli (Sindh.)	85	325				59.60
Dhanpur	128	325				118.70
Madalpura	152	325				87.00
Jalore B	137	325				81.40
Narnawas	106	325				73.00
Dhawala	109	325				56.00
	961					

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

The existing livelihoods Village are given below

Table 2.12 (a) Major activities (On Farm)		
Name of activity	No of House holds	Average annual income from the
cultivators	2167	852 Lac
Dairying	857	38 Lac
Poultry	-	-
Piggery	-	-

Landless Agri. Labourers	63	22 Lac

Table 2.12(b) Major activities (Off Farm)		
Name of activity	Households/individuals	Average annual income from the
Artisans	-	-
Carpenter	66	36.03 Lac
Blacksmith	42	22.51 Lac
Leather Craft	-	-
Porter	38	14.00 Lac
Mason	215	124.00 Lac
Others specify (Cycle Repair ,STD,Craft etc)	09	4.55 Lac

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

Table 2.13(a) Status of Existing SHG

S.No	Name of SHG	Members	Activity involved	Monthly income	Fund avai.	Assistance available	Source of assistance	Training received
1	Mahadev SHG Narnawas	10	Saving	200	-	-	-	-
2	Jagnath SHG Narnawas	10	Saving	200	-	-	-	-
3	Jay ganesh SHG Dhawla	10	Saving	200	-	-	-	-
4	Savitri SHG Rewat	10	Saving	200	-	-	-	-
5	Jagnath SHG Rewat	10	Saving	200	-	-	-	Tailoring

6	Mahadev SHG Bhagli	10	Saving	200	-	-	-	-
7	Laxmi SHG Dhanpur	10	Saving	200	-	-	-	-
8	Varneshwer SHG Dhanpur	10	Saving	200	-	-	-	-
9	Mamaji SHG Madalpura	10	Saving	200	-	-	-	-
10	Sundh mata SHG Mouk	10	Saving	200	-	-	-	-

The table indicates existence of number of groups in the area also these need to be strengthened through trainings and financial assistance

II. **Technical Features**

Table 2.14 Ground Water

S.No	Source	No.	Functional depth(meter)	Dry	Area irrigated	Water availability (days)
i)	Dug wells	34	14	20	56 hac	65 - 70 days
ii)	Shallow tube wells	62	33	29	41 hac	110 -150
iii)	Pumping sets	00	00	0	0 hac	-
iv)	Deep Tube Wells	78	79	29	240 hac	75-80 days
	Total	174	-	-	-	-

Table 2.15 Availability of drinking water

S. No	Name of the village	Drinking water requirement Ltrs/day	Present availability of drinking water Ltrs/day	No. of drinking water sources available	No. functional	No. requires repairs	No. defur
1	Rewat	7360	6900	3	2	-	-

2	Mouk	6883	3754	2	1	-	-	
3	Bhagli (Sindh.)	9432	8943	2	2	-	-	
4	Dhanpur	8865	4335	2	2	-	-	
5	Madalpura	4920	3580	1	1	-	-	
6	Jalore B	9104	84920	2	2	-	-	
7	Narnawas	8276	49250	2	2	-	-	
8	Dhawala	6245	39550	2	2	-	-	

Table 2.16 Water Use efficiency

Name of major crop	Area (Hectare)			
	through water saving devices(Drip/Sprinklers)	through water conserving agronomic practices[#]	Any other (pl. specify)	Total
Mustard	20%	20%	-	-
wheat	20%	20%	-	-

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

Table 2.17 Slope details.

Slope of Watershed		
S.No.	Slope percentage	Area in hectares
1	0 to 3%	4521
2	3 to 8%	-
3	8 to 25%	-
4	> 25%	-

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

Table 2.18 Water Budgeting

Water Budgeting:

budgeting the area is calculated and divided in following groups:

Average catchments: Cultivated land, forest land with vegetation
For estimation/ water budgeting the proposed water shed area has been divided as follows:
Good Catchment: -
Average Catchment: 4521 Hac.
Bad Catchment: -
Average annual Rainfall for the block is 420. mm
By interpolation method the proportion of estimated runoff of 420. mm rainfall have been calculated form Strange's Table as follows:

Table No. 2.18 Total available water

Micro no	Area ha.	Type of catchment	Utilisable rain water/ ha (Cu.m.)	Utilisable rain water from micro w/s (Cu.m.)
9/1	375	Average	348.07	130526.25
9/2	875	Average	348.07	304561.25
9/3	350	Average	348.07	121824.5
9/4	475	Average	348.07	165333.25
9/5	1950	Average	348.07	678736.5
9/6	275	Average	348.07	95719.25
9/9	1400	Average	348.07	487298
			Total	1983999

Table No. 2.18(a) Water tapped in existing structure

S.No.	Name	No.	Storage Capacity
i)	Major Irrigation Project	0	
ii)	Medium Irrigation Project	0	0
iii)	Form Ponds/Tanks	23	57000
iv)	Anicuts	1	3000
	Total		60000

Table No. 2.18 (c) Structure proposed for water harvesting

Activity	No.	Total water to be harvested (Cu.m.)
Tanka	171	3420
Dug out pond	7	3500
Nalla bund	10	5000
		11920

% of runoff Trapped in existing and proposed structure = $\frac{(60000+11920) \times 100}{1983999}$ = 3.63%

Table 2.19 Soil details

	Soil Profile	
S.No.	Major Soil Classes	Area in hectares
1	II class	4088
2	III class	320
3	Iv class	113
	Soil Depth :	
B	Depth (Cms.)	Area in hectares
1	0.00 to 7.50	-
2	7.50 to 45.00	4028
3	> 45.00	433

C	Soil fertility Status	Kg/ha	Recommended
	N	50-70	80-90
	P	20-30	40-50
	K	10-15	20-30
	Micronutrients	10-500 ppm	100-500

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

Table 2.20 Erosion details

Erosion status in project Area				
Cause	Type of erosion	Area affected (ha)	Run off(mm/ year)	Average soil loss (Tonnes/ ha/ year)
Water erosion				
a	Sheet	4088	300	15-20
b	Rill	320	300	
c	Gully	-	300	
Sub-Total		113	NA	
Wind erosion		-		
Total for project		4521		

The need is:

- To check land degradation
- To reduce excessive biotic pressure by containing the number and increase of livestock
- To check cultivation on sloping lands without adequate precautions of soil and water conservation measures
- To discourage cultivation along susceptible nallah beds
- To check Faulty agriculture techniques
- To check Uncontrolled grazing and developed cattle tracks
- To check Deforestation of steep slopes
- To check erosive velocity of runoff, store Runoff, to arrest silt carried by runoff and to recharge Ground Water structures life Earthen check dams, gully plugs, Bank Stabilisation, Loose stone check Dams, Gabions, Earthen embankment (Nadi) and Anicuts would be taken up.

CHAPTER – III

Proposed Development Plan: The Activities are indicative addition /deletion in activities will be as per local conditions

A) Preparatory phase activities Capacity Building Trainings and EPA

The IEC activities like Kalajathas, Group meetings, door to door campaign, slogans and wall writings etc. were carried out in all the habitations of Jalore (IWMP) IV Micro Watershed. A series of meetings were conducted with GP members, community and discussed about the implementation of IWMP programme. User groups were also formed.

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

S.no	Name of the Gram Panchayat	Date on which Grama Sabha approved EPA
1	Rewat	11-06-2010
2	Bhagli	09-06-2010
3	Leta	19-06-2010
4	Narnawas	10-06-2010

1	4	5	6	7	8	9	10	11
S. No.	Names of Gram Panchayat	Amount earmarked for EPA	Entry Point Activities planned	Estimated cost	Expenditure incurred	Balance	Expected outcome	Actual outcome
1	Rewat	10.026	-	-	-	10.026	-	-
2	Bhagli	10.968	-	-	-	10.968	-	-
3	Leta	1.77	-	-	-	1.77	-	-
4	Narnawas	4.362	-	-	-	4.362	-	-
		27.126	-	-	-	27.126	-	-

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

S.no	Name of the village/Habitation	Date on which PRA conducted
1	Rewat	11-06-2010
2	Bhagli	09-06-2010
3	Leta	19-06-2010
4	Narnawas	10-06-2010

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

Socio-economic survey was carried out during **26-3-2011** (dates) period covering all the households and primary data on demography, Land holdings, Employment status, Community activities etc. was collected as mentioned in chapter 2.

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

Various thematic layers provided by VAPCOS are :

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

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

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CHAPTER V

ANNUAL ACTION PLAN THROUGH PROJECT FUND

STATE RAJASTHAN	**IWMP-VI**	**UNIT COST**	15000	Hac.	
DISTRICT: JALORE	Rewat	**Geographical Area**			
AGROCLIMATIC ZONE:IIB	II B	**Effective Area**	1671	Hac.	1671
NAME OF BLOCK:	Jalore	**Total Arable land**			
NAME OF WATERSHED	JALORE VI	**1. Unirrigated**	1286	Hac.	
CATEGORY OF WATERSHED	DESERT AREA	**Total Nonarable land**			
IRRIGATION PERCENTAGE		**1. Pasture**	54	Hac.	
		2. Govt. / waste /OTHER LAND	331	Hac.	
		TOTAL COST	250.65	Lac.	

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
AI.	ADMINISTRATIVE COST		10%	25.065	25.065				5.013		5.013		5.013		5.013		5.013
II	MONITORING		1%	2.507	2.507				0.501		0.501		0.501		0.501		0.501
III	EVALUATION		1%	2.507	2.507				0.501		0.501		0.501		0.501		0.501
	TOTAL		12%	30.078	30.078				6.016		6.016		6.016		6.016		6.016
BI	PREPARATORY PHASE ENTRY POINT ACTIVITY		4%	10.026	10.026		10.026		0.000								
II	INTITUTION & CAPACITY BUILDING		5%	12.533	12.533				7.520		2.256		1.504		0.627		0.627
III	PREPARATION OF DETAILED PROJECT REPORT		1%	2.507	2.507		2.507		0.000								
	TOTAL		10%	25.065	25.065		12.533		7.520		2.256		1.504		0.627		0.627

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
C	**WATERSHED DEVELOPMENT WORKS (NRM)**		**56%**		**140.364**			**6%**	**15.04**	**15%**	**37.5975**	**15%**	**37.5975**	**12%**	**30.078**	**08%**	**20.052**
1	**ARABLE CONSERVATION WORK**																
(i)	Vegitative counter bund	Hac	502	13300	66.739					120	19.285	160	21.280	120	15.960	102	10.214
(ii)	WHS (Tanka)	No.	62	100000	62.000					18	27.000	15	15.000	13	13.000	16	7.000
(iii)	Waste weir	No.	3	14600	0.438					1	0.438	0	0.000	0	0.000	2	0.000
(iv)	Gulley Control Structure Nallah Bunding (LSCD)	No.	3	11000	0.330					2	0.220	1	0.110	0	0.000	0	0.000
(v)	Earthern Bund	No.	5	54000	2.700						0.000		0.000		0.000	5	2.700
TOTAL					**132.207**				**0.000**		**46.943**		**36.390**		**28.960**		**19.914**
2	**NON ARABLE CONSERVATION WORK**																
(i)	V Ditch for PD		10	15830	1.583				0.000	10	1.583		0.000		0.000	0	0.000
(ii)	Staggered Contour Trenches for PD		0	11790									0.000		0.000	0	0.000
(iii)	Dug out Pond		2	50000	1.000					2	1.000		0.000		0.000	0	0.000
(iv)	WHS (Tanka)		2	100000	2.000					1	1.000		0.000	1	1.000	0	0.000
(v)	Nallah Bunding with ww		3	25600	0.768					2	0.512	1	0.256		0.000	0	0.000
3	**DRAINAGE LINE TREATMENT**												0.000		0.000	0	0.000
(i)	LSCD 'A'	No.	1	21100	0.211					1	0.211	0	0.000	0	0.000	0	0.000
(ii)	LSCD 'B'	No.	1	19500	0.195					1	0.195		0.000		0.000	0	0.000
(iii)	LSCD 'C'	No.	3	17900	0.537					2	0.358	1	0.179	0	0.000	0	0.000
(iv)	LSCD 'D'	No.	3	16300	0.489					2	0.326	0	0.000	1	0.163	0	0.000
(v)	LSCD 'E'	No.	2	14700	0.294					1	0.147	0	0.000	1	0.147	0	0.000
(vi)	Earthern Bund	No.	2	54000	1.080						0.000	1	0.540		0.000	1	0.540
TOTAL					**8.157**		**0.000**		**0.000**		**5.332**		**0.975**		**1.310**		**0.540**
TOTAL NRM					**140.364**		**0.000**		**0.000**		**52.275**		**37.365**		**30.270**		**20.454**
VIII	**Production Measures**		**10%**	**25.065**													
	For Arable Land																
1	Arable bund	**Hac**	0	0	0.000					190	0.000	150	0.000	80	0.000	-420	0.000
2	Agro Forestry		500	18	0.090					300	0.054	100	0.018	80	0.014	20	0.004
3	Horticulture Plantation with fencing & Tanka		40	30200	12.080					2	0.604	10	3.020	10	3.020	18	5.436
4	Horticulture Plantation without fencing (Orchard)		4	8900	0.356					3	0.267	1	0.089	0	0.000	0	0.000
5	Vermi Compost		6	40000	2.400							0	0.000	1	0.400	5	2.000
6	Crop Demonstration	No.	39	1500	0.585					15	0.225	10	0.150	5	0.075	9	0.135
7	Homested Kitchen Gerden		40	500	0.200					15	0.075	5	0.025	10	0.050	10	0.050
8	Compost Pit		20	2000	0.400					10	0.200	5	0.100		0.000	5	0.100

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
	For Non-arable Land												0.000		0.000		0.000
1	V Ditch for PD		10	3520.00	0.352					10	0.352		0.000		0.000		0.000
2	Staggered Contour Trenches for PD		0	0.00									0.000		0.000		0.000
3	Plantation		10	49700.0	4.970					10	4.970		0.000		0.000		0.000
4	Fencing of PD (by DCB)	mt	10	25200.0	2.520					10	2.520		0.000		0.000		0.000
	LIVESTOCK MANAGEMENT												0.000		0.000		0.000
	Animal Health Camp		4	25000	1.000					2	0.500	1	0.250		0.000		0.250
	Vaccination				0.000						0.000		0.000		0.000		0.000
	Purchase of Bull / Pada		0	20000									0.000		0.000		0.000
	A I				0.112						0.050		0.000		0.050		0.012
	Total Production System				25.065				0.000		9.817		3.652		3.609		7.987
1	**LIVELIHOOD**		**9%**		**22.559**												
	Revolving fund to SHG's (5 to 20 person per SHG) 60%		**55**	**0.250**	**13.535**					**26**	6.500	**20**	5.000	0.000	0.000	9	2.035
	Revolving fund to individual entrepreneurs 10%		**10**	**0.250**	**2.256**					**5**	1.250	**4**	1.000	0.000	0.000	1	0.006
	Grant in aid to entrepreneurs SHG/SHG's federation 30%		**4**	**2.000**	**6.768**					**2**	4.000	**1**	2.000	0.000	0.000	1	0.768
	TOTAL				**22.559**		**0.000**		**0.000**		**11.750**		**8.000**		**0.000**		**2.809**
IX	**CONSOLIDATION PHASE**		**3%**	**7.520**	**7.520**		**0.000**		**0.000**		**0.000**		**0.000**		**4.512**		**3.008**
	GRAND TOTAL		**100%**		**250.650**		**12.533**		**13.535**		**82.113**		**56.537**		**45.033**		**40.900**

CHAPTER V

ANNUAL ACTION PLAN THROUGH PROJECT FUND

STATE RAJASTHAN	**IWMP-VI**		**UNIT COST**	15000 Hac.	
DISTRICT: JALORE	Bhagli Sind		**Geographical Area**		
AGROCLIMATIC ZONE:IIB	II B		**Effective Area**	1828 Hac.	1479
NAME OF THE BLOCK:	Jalore		**Total Arable land**		
NAME OF WATERSHED	JALORE VI		**1. Unirrigated**	1486 Hac.	
CATEGORY OF WATERSHED	DESERT AREA		**Total Nonarable land**		
IRRIGATION PERCENTAGE			**1. Pasture**	97 Hac.	
			2. Govt. / waste /OTHER LAND	245 Hac.	
			TOTAL COST	274.2 Lac.	

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
AI.	**ADMINISTRATIVE COST**		**10%**	**27.420**	27.420				5.484		5.484		5.484		5.484		5.484
II	**MONITORING**		**1%**	**2.742**	2.742				0.548		0.548		0.548		0.548		0.548
III	**EVALUATION**		**1%**	**2.742**	2.742				0.548		0.548		0.548		0.548		0.548
TOTAL			**12%**	**32.904**	**32.904**				**6.581**		**6.581**		**6.581**		**6.581**		**6.581**
BI	**PREPARATORY PHASE ENTRY POINT ACTIVITY**		**4%**	**10.968**	10.968		10.968										0.000
II	**INTITUTION & CAPACITY BUILDING**		**5%**	**13.710**	13.710				8.226		2.468		1.645		0.686		0.686
III	**PREPARATION OF DETAILED PROJECT REPORT**		**1%**	**2.742**	2.742		2.742										0.000
TOTAL			**10%**	**27.420**	**27.420**		**13.710**		**8.226**		**2.468**		**1.645**		**0.686**		**0.686**

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
C	**WATERSHED DEVELOPMENT WORKS (NRM)**		**56%**		**153.55**			**6%**	**16.452**	**15%**	**41.13**	**15%**	**41.13**	**12%**	**32.904**	**08%**	**21.936**
1	**ARABLE CONSERVATION WORK**																
(i)	Vegitative counter bund	Hac	502	13300	66.719					293	38.969	198	26.334	0	0.000	11	1.416
(ii)	WHS (Tanka)	No.	74	100000	74.000					14	14.000	12	12.000	30	30.000	18	18.000
(iii)	Waste weir	No.	9	14600	1.314					3	0.438	5	0.730	0	0.000	1	0.146
(iv)	Gulley Control Structure Nallah Bunding (LSCD)	No.	6	11000	0.660					6	0.660	0	0.000	0	0.000	0	0.000
(v)	Earthern Bund	No.	5	54000	2.700						0.000				0.000	5	2.700
TOTAL					**145.393**				**0.000**		**54.067**		**39.064**		**30.000**		**22.262**
2	**NON ARABLE CONSERVATION WORK**																
(i)	V Ditch for PD		10	15830	1.583					10	1.583		0.000		0.000	0	0.000
(ii)	Staggered Contour Trenches for PD		0	11790									0.000		0.000	0	0.000
(iii)	Dug out Pond		2	50000	1.000					1	0.500	1	0.500	0	0.000	0	0.000
(iv)	WHS (Tanka)		2	100000	2.000					1	1.000		0.000	1	1.000	0	0.000
(v)	Nallah Bunding with ww		3	25600	0.768					0	0.000		0.000	3	0.768	0	0.000
3	**DRAINAGE LINE TREATMENT**												0.000		0.000	0	0.000
(i)	LSCD 'A'	No.	1	21100	0.211					1	0.211	0	0.000	0	0.000	0	0.000
(ii)	LSCD 'B'	No.	1	19500	0.195					0	0.000	1	0.195	0	0.000	0	0.000
(iii)	LSCD 'C'	No.	3	17900	0.537					0	0.000	2	0.358	0	0.000	1	0.179
(iv)	LSCD 'D'	No.	3	16300	0.489					1	0.163	1	0.163	1	0.163	0	0.000
(v)	LSCD 'E'	No.	2	14700	0.294					1	0.147	1	0.147	0	0.000	0	0.000
(vi)	Earthern Bund	No.	2	54000	1.080						0.000	1	0.540	1	0.540	0	0.000
TOTAL					**8.157**		**0.000**		**0.000**		**3.604**		**1.903**		**2.471**		**0.179**
TOTAL NRM					**153.550**		**0.000**		**0.000**		**57.671**		**40.967**		**32.471**		**22.441**
VIII	**Production Measures**		**10%**	**27.420**													
	For Arable Land																
1	Arable bund	**Hac**	0	0	0.000					260	0.000	200	0.000	40	0.000	-500	0.000
2	Agro Forestry		810	18	0.146					100	0.018	500	0.090	50	0.009	160	0.029
3	Horticulture Plantation with fencing & Tanka		43	30200	12.986					3	0.906	2	0.604	2	0.604	36	10.872
4	Horticulture Plantation without fencing (Orchard)		15	8900	1.335					4	0.356	2	0.178	2	0.178	7	0.623
5	Vermi Compost		6	40000	2.400							0	0.000	1	0.400	5	2.000
6	Crop Demonstration	No.	45	1500	0.675					5	0.075	5	0.075	5	0.075	30	0.450
7	Homested Kitchen Gerden		48	500	0.240					10	0.050	5	0.025	5	0.025	28	0.140
8	Compost Pit		20	2000	0.400					10	0.200	5	0.100	5	0.100	0	0.000

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
	For Non-arable Land																0.000
1	V Ditch for PD		10	3520.00	0.352					10	0.352						0.000
2	Staggered Contour Trenches for PD		0	0.00													0.000
3	Plantation		10	49700.0	4.970					10	4.000		0.400		0.400		0.170
4	Fencing of PD (by DCB)	mt	10	25200.0	2.517					10	2.517						0.000
	LIVESTOCK MANAGEMENT																0.000
	Animal Health Camp		4	25000	1.000					2	0.500	1	0.250	1	0.250	0	0.000
	Vaccination				0.200						0.100		0.050				0.050
	Purchase of Bull / Pada		0	20000	0.000												0.000
	A I				0.200						0.050				0.050		0.100
	Total Production System				27.421						9.124		1.772		2.091		14.434
1	**LIVELIHOOD**	**9%**			**24.678**												24.678
	Revolving fund to SHG's (5 to 20 person per SHG) 60%	**60**	**0.250**		**14.807**					**26**	6.500	**20**	5.000	0.000	0.000	14	3.307
	Revolving fund to individual entrepreneurs 10%	**10**	**0.250**		**2.468**					**5**	1.250	**4**	1.000	0.000	0.000	1	0.218
	Grant in aid to entrepreneurs SHG/SHG's federation 30%	**4**	**2.000**		**7.403**					**2**	4.000	**1**	2.000	0.000	0.000	1	1.403
TOTAL					**24.678**		**0.000**		**0.000**		**11.750**		**8.000**		**0.000**		**4.928**
IX	**CONSOLIDATION PHASE**		**3%**	**8.226**	**8.226**										**4.936**		**3.290**
	GRAND TOTAL		**100%**		**274.199**		**13.710**		**14.807**		**87.594**		**58.965**		**46.764**		**52.360**

CHAPTER V

ANNUAL ACTION PLAN THROUGH PROJECT FUND

STATE RAJASTHAN	**IWMP-VI**		**UNIT COST**	15000 Hac.	
DISTRICT: JALORE	Letha		**Geographical Area**		
AGROCLIMATIC ZONE:IIB	II B		**Effective Area**	295 Hac.	295
NAME OF THE BLOCK:	Jalore		**Total Arable land**		
NAME OF WATERSHED	JALORE VI		**1. Unirrigated**	282 Hac.	
CATEGORY OF WATERSHED	DESERT AREA		**Total Nonarable land**		
IRRIGATION PERCENTAGE			**1. Pasture**	0 Hac.	
			2. Govt. / waste /OTHER LAN	13 Hac.	
			TOTAL COST	44.25 Lac.	

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
AI.	ADMINISTRATIVE COST		10%	4.425	4.425				0.885		0.885		0.885		0.885		0.885
II	MONITORING		1%	0.443	0.443				0.089		0.089		0.089		0.089		0.088
III	EVALUATION		1%	0.443	0.443				0.089		0.089		0.089		0.089		0.088
	TOTAL		12%	5.310	5.310				1.062		1.062		1.062		1.062		1.062
BI	PREPARATORY PHASE ENTRY POINT ACTIVITY		4%	1.770	1.770		1.770		0.000								
II	INTITUTION & CAPACITY BUILDING		5%	2.213	2.213				1.328		0.398		0.266		0.111		0.111
III	PREPARATION OF DETAILED PROJECT REPORT		1%	0.443	0.443		0.443		0.000								
	TOTAL		10%	4.425	4.425		2.213		1.328		0.398		0.266		0.111		0.111

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
C	**WATERSHED DEVELOPMENT WORKS (NRM)**		**56%**		**24.780**			**6%**	**2.655**	**15%**	**6.638**	**15%**	**6.6375**	**12%**	**5.31**	**08%**	**3.54**
1	**ARABLE CONSERVATION WORK**																
(i)	Vegitative counter bund	Hac	81	13300	10.707					50	6.650	29	3.857	0	0.000	2	0.200
(ii)	WHS (Tanka)	No.	9	100000	9.000					1	1.000	2	2.000	5	5.000	1	1.000
(iii)	Waste weir	No.	2	14600	0.292					2	0.292	0	0.000	0	0.000	0	0.000
(iv)	Gulley Control Structure Nallah Bunding (LSCD)	No.	3	11000	0.330					2	0.220	0	0.000	0	0.000	1	0.110
(v)	Earthern Bund	No.	4	54000	2.160						0.000		0.000			4	2.160
TOTAL					**22.489**		**0.000**		**0.000**		**8.162**		**5.857**		**5.000**		**3.470**
2	**NON ARABLE CONSERVATION WORK**																
(i)	V Ditch for PD		0	15830	0.000				0.000	0	0.000		0.000		0.000		0.000
(ii)	Staggered Contour Trenches for PD		0	11790									0.000		0.000		0.000
(iii)	Dug out Pond		1	50000	0.500			0	0.000	0	0.000	1	0.500		0.000	0	0.000
(iv)	WHS (Tanka)		1	100000	1.000			0	0.000	1	1.000	0	0.000		0.000		0.000
(v)	Nallah Bunding with ww		1	25600	0.256			0	0.000	0	0.000	1	0.256		0.000		0.000
3	**DRAINAGE LINE TREATMENT**												0.000		0.000		0.000
(i)	LSCD 'A'	No.	0	21100	0.000			0	0.000		0.000	0	0.000	0	0.000		0.000
(ii)	LSCD 'B'	No.	0	19500	0.000			0	0.000	0	0.000	0	0.000	0	0.000		0.000
(iii)	LSCD 'C'	No.	0	17900	0.000			0	0.000	0	0.000	0	0.000	0	0.000		0.000
(iv)	LSCD 'D'	No.	0	16300	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(v)	LSCD 'E'	No.	0	14700	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(vi)	Earthern Bund	No.	1	54000	0.540				0.000	0	0.000		0.000	1	0.540	0	0.000
TOTAL					**2.296**				**0.000**		**1.000**		**0.756**		**0.540**		**0.000**
TOTAL NRM					**24.785**				**0.000**		**9.162**		**6.613**		**5.540**		**3.470**
VIII	**Production Measures**		**10%**	**4.425**													
	For Arable Land																
1	Arable bund	**Hac**	0	0	0.000					0	0.000	0	0.000	0	0.000	0	0.000
2	Agro Forestry		599	18	0.108					300	0.054	50	0.009	50	0.009	199	0.036
3	Horticulture Plantation with fencing & Tanka		5	30200	1.510						0.000	1	0.302	1	0.302	3	0.906
4	Horticulture Plantation without fencing (Orchard)		5	8900	0.445					2	0.178	0	0.000	0	0.000	3	0.267
5	Vermi Compost		2	40000	0.800							0	0.000	0	0.000	2	0.800
6	Crop Demonstration	No.	20	1500	0.300					15	0.225	0	0.000	5	0.075	0	0.000
7	Homested Kitchen Gerden		20	500	0.100					10	0.050	0	0.000	10	0.050	0	0.000
8	Compost Pit		15	2000	0.300					10	0.200	5	0.100			0	0.000

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
	For Non-arable Land																0.000
1	V Ditch for PD		0	3520.00	0.000					0	0.000						0.000
2	Staggered Contour Trenches for PD		0	0.00													0.000
3	Plantation		0	49700.0	0.000					0	0.000		0.000		0.000		0.000
4	Fencing of PD (by DCB)	mt	0	25200.0	0.000					10	0.000						0.000
	LIVESTOCK MANAGEMENT																0.000
	Animal Health Camp		3	25000	0.750					1	0.250	1	0.250	1	0.250	0	0.000
	Vaccination				0.000						0.000		0.000				0.000
	Purchase of Bull / Pada		0	20000													0.000
	A I				0.112						0.050				0.050		0.012
	Total Production System				4.425				0.000		1.007		0.661		0.736		2.021
1	**LIVELIHOOD**	**9%**			**3.983**												
	Revolving fund to SHG's (5 to 20 person per SHG) 60%	**10**	**0.250**		**2.390**					**5**	1.250	**4**	1.000	0.000	0.000	1	0.140
	Revolving fund to individual entrepreneurs 10%	**2**	**0.250**		**0.398**					**1**	0.250	**0**	0.000	0.000	0.000	1	0.148
	Grant in aid to entrepreneurs SHG/SHG's federation 30%	**1**	**2.000**		**1.195**					**0**	0.000	**0**	0.000	0.000	0.000	1	1.195
	TOTAL				**3.983**		**0.000**		**0.000**		**1.500**		**1.000**		**0.000**		**1.483**
IX	**CONSOLIDATION PHASE**		**3%**	**1.328**	**1.328**										**0.797**		**0.531**
	GRAND TOTAL		**100%**		**44.254**		**2.21**		**2.39**		**13.13**		**9.60**		**8.25**		**8.68**

CHAPTER V

ANNUAL ACTION PLAN THROUGH PROJECT FUND

STATE RAJASTHAN	**IWMP-VI**		**UNIT COST**	15000 Hac.	
DISTRICT: JALORE	Narnawas		**Geographical Area**		
AGROCLIMATIC ZONE:IIB	II B		**Effective Area**	727 Hac.	611
NAME OF THE BLOCK:	Jalore		**Total Arable land**		
NAME OF WATERSHED	JALORE VI		**1. Unirrigated**	708 Hac.	
CATEGORY OF WATERSHED	DESERT AREA		**Total Nonarable land**		
IRRIGATION PERCENTAGE			**1. Pasture**	10 Hac.	
			2. Govt. / waste /OTHER LAND	9 Hac.	
			TOTAL COST	109.05 Lac.	

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
AI.	**ADMINISTRATIVE COST**		**10%**	**10.905**	10.905				2.181		2.181		2.181		2.181		2.181
II	**MONITORING**		**1%**	**1.091**	1.091				0.218		0.218		0.218		0.218		0.218
III	**EVALUATION**		**1%**	**1.091**	1.091				0.218		0.218		0.218		0.218		0.218
TOTAL			**12%**	**13.086**	**13.086**				**2.617**		**2.617**		**2.617**		**2.617**		**2.617**
BI	**PREPARATORY PHASE ENTRY POINT ACTIVITY**		**4%**	**4.362**	4.362		4.362										0.000
II	**INTITUTION & CAPACITY BUILDING**		**5%**	**5.453**	5.453				3.272		0.981		0.654		0.273		0.273
III	**PREPARATION OF DETAILED PROJECT REPORT**		**1%**	**1.091**	1.091		1.091										0.000
TOTAL			**10%**	**10.905**	**10.905**		**5.453**		**3.272**		**0.981**		**0.654**		**0.273**		**0.273**

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
C	**WATERSHED DEVELOPMENT WORKS (NRM)**		**56%**		**61.068**			**6%**	**6.543**	**15%**	**16.3575**	**15%**	**16.3575**	**12%**	**13.086**	**08%**	**8.724**
1	**ARABLE CONSERVATION WORK**																
(i)	Vegitative counter bund	Hac	249	13300	33.087					90	11.970	78	10.374	50	6.650	31	4.093
(ii)	WHS (Tanka)	No.	19	100000	19.000					8	8.000	5	5.000	5	5.000	1	1.000
(iii)	Waste weir	No.	3	14600	0.438					3	0.438		0.000	0	0.000	0	0.000
(iv)	Gulley Control Structure Nallah Bunding (LSCD)	No.	3	11000	0.330					3	0.330	0	0.000	0	0.000	0	0.000
(v)	Earthern Bund	No.	4	54000	2.160						0.000	2	1.080			2	1.080
TOTAL					**55.015**		**0.000**		**0.000**		**20.738**		**16.454**		**11.650**		**6.173**
2	**NON ARABLE CONSERVATION WORK**																
(i)	V Ditch for PD		0	15830	0.000					0	0.000		0.000		0.000		0.000
(ii)	Staggered Contour Trenches for PD		0	11790									0.000		0.000		0.000
(iii)	Dug out Pond		2	50000	1.000					1	0.500	0	0.000	1	0.500	0	0.000
(iv)	WHS (Tanka)		2	100000	2.000					0	0.000	0	0.000		0.000		2.000
(v)	Nallah Bunding with ww		3	25600	0.768					0	0.000	0	0.000		0.000		0.768
3	**DRAINAGE LINE TREATMENT**												0.000		0.000		0.000
(i)	LSCD 'A'	No.	1	21100	0.211					2	0.422	0	0.000	0	0.000		-0.211
(ii)	LSCD 'B'	No.	1	19500	0.195					1	0.195	0	0.000	0	0.000		0.000
(iii)	LSCD 'C'	No.	1	17900	0.179					1	0.179	0	0.000	0	0.000		0.000
(iv)	LSCD 'D'	No.	2	16300	0.326					1	0.163	0	0.000	1	0.163	0	0.000
(v)	LSCD 'E'	No.	2	14700	0.294					1	0.147	0	0.000	1	0.147	0	0.000
(vi)	Earthern Bund	No.	2	54000	1.080					1	0.540		0.000	1	0.540	0	0.000
TOTAL					**6.053**				**0.000**		**2.146**		**0.000**		**1.350**		**2.557**
TOTAL NRM					**61.068**				**0.000**		**22.884**		**16.454**		**13.000**		**8.730**
VIII	**Production Measures**		**10%**	**10.905**													
	For Arable Land				10.905												
1	Arable bund	**Hac**	0	0	0.000					0	0.000	0	0.000	0	0.000	0	0.000
2	Agro Forestry		599	18	0.108					300	0.054	50	0.009	50	0.009	199	0.036
3	Horticulture Plantation with fencing & Tanka		20	30200	6.040					5	1.510	5	1.510	1	0.302	9	2.718
4	Horticulture Plantation without fencing (Orchard)		20	8900	1.780					6	0.534	4	0.356	4	0.356	6	0.534
5	Vermi Compost		3	40000	1.200							0	0.000	0	0.000	3	1.200
6	Crop Demonstration	No.	20	1500	0.300					15	0.225	0	0.000	5	0.075	0	0.000
7	Homested Kitchen Gerden		20	500	0.100					10	0.050	5	0.025	5	0.025	0	0.000
8	Compost Pit		18	2000	0.360					10	0.200	5	0.100			3	0.060

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
	For Non-arable Land																0.000
1	V Ditch for PD		0	3520.00	0.000					0	0.000						0.000
2	Staggered Contour Trenches for PD		0	0.00													0.000
3	Plantation		0	49700.0	0.000					0	0.000		0.000		0.000		0.000
4	Fencing of PD (by DCB)	mt	0	25200.0	0.000					10	0.000						0.000
	LIVESTOCK MANAGEMENT																0.000
	Animal Health Camp		3	25000	0.750					1	0.250	1	0.250	1	0.250	0	0.000
	Vaccination				0.155						0.000		0.000				0.155
	Purchase of Bull / Pada		0	20000													0.000
	A I				0.112						0.050				0.050		0.012
	Total Production System				**10.905**				**0.000**		**2.873**		**2.250**		**1.067**		**4.715**
1	**LIVELIHOOD**	**9%**			**9.815**												
	Revolving fund to SHG's (5 to 20 person per SHG) 60%	**24**	**0.250**		**5.889**					**11**	2.750	**4**	1.000	5.000	1.250	4	0.889
	Revolving fund to individual entrepreneurs 10%	**4**	**0.250**		**0.981**					**1**	0.250	**1**	0.250	1.000	0.250	1	0.231
	Grant in aid to entrepreneurs SHG/SHG's federation 30%	**2**	**2.000**		**2.944**					**0**	0.000	**1**	2.000	0.000	0.000	1	0.944
	TOTAL				**9.815**		**0.000**		**0.000**		**3.000**		**3.250**		**1.500**		**2.065**
IX	**CONSOLIDATION PHASE**		**3%**	**3.272**	**3.272**										**1.963**		**1.309**
	GRAND TOTAL		**100%**		**109.050**		**5.45**		**5.89**		**32.36**		**25.23**		**20.42**		**19.71**

CHAPTER V

ANNUAL ACTION PLAN THROUGH PROJECT FUND

STATE RAJASTHAN	**IWMP-VI**		**UNIT COST**	15000	Hac.		
DISTRICT: JALORE			**Geographical Area**	0			882
AGROCLIMATIC ZONE:IIB	II B		**Effective Area**	4521	Hac.	511	4521
NAME OF THE BLOCK:	Jalore		**Total Arable land**	0			323
NAME OF WATERSHED	JALORE VI		**1. Unirrigated**	3762	Hac.		611
CATEGORY OF WATERSHED	DESERT AREA		**Total Nonarable land**	0			6337
IRRIGATION PERCENTAGE			**1. Pasture**	161	Hac.		
			2. Govt. / waste /OTHER LAND	598	Hac.		
			TOTAL COST	678	Lac.		

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
AI.	ADMINISTRATIVE COST		10%	67.815	67.815		0.000		13.563		13.563		13.563		13.563		13.563
II	MONITORING		1%	6.782	6.782		0.000		1.356		1.356		1.356		1.356		1.356
III	EVALUATION		1%	6.782	6.782		0.000		1.356		1.356		1.356		1.356		1.356
	TOTAL		12%	81.378	81.378		0.000		16.276		16.276		16.276		16.276		16.276
BI	PREPARATORY PHASE ENTRY POINT ACTIVITY		4%	27.126	27.126		27.126		0.000		0.000		0.000		0.000		0.000
II	INTITUTION & CAPACITY BUILDING		5%	33.908	33.908		0.000		20.345		6.103		4.069		1.695		1.695
III	PREPARATION OF DETAILED PROJECT REPORT		1%	6.782	6.782		6.782		0.000		0.000		0.000		0.000		0.000
	TOTAL		10%	67.815	67.815		33.908		20.345		6.103		4.069		1.695		1.695

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
C	**WATERSHED DEVELOPMENT WORKS (NRM)**		**56%**		**379.76**			**6%**	40.689	**15%**	101.723	**15%**	101.723	**12%**	81.378	**08%**	54.252
1	**ARABLE CONSERVATION WORK**																
(i)	Vegitative counter bund	Hac	1332.7	13300	177.252		0.000		0.000		76.874		61.845		22.610		15.923
(ii)	WHS (Tanka)	No.	164.0	100000	164.000		0.000		0.000		50.000		34.000		53.000		27.000
(iii)	Waste weir	No.	17.0	14600	2.482		0.000		0.000		1.606		0.730		0.000		0.146
(iv)	Gulley Control Structure Nallah Bunding (LSCD)	No.	15.0	11000	1.650		0.000		0.000		1.430		0.110		0.000		0.110
(v)	Earthern Bund	No.	18.0	54000	9.720		0.000		0.000		0.000		1.080		0.000		8.640
TOTAL					**355.104**		0.000		0.000		129.910		97.765		75.610		51.819
2	**NON ARABLE CONSERVATION WORK**																
(i)	V Ditch for PD		20	15830	3.166		0.000		0.000		3.166		0.000		0.000		0.000
(ii)	Staggered Contour Trenches for PD		0	11790	0.000		0.000		0.000		0.000		0.000		0.000		0.000
(iii)	Dug out Pond		7	50000	3.500		0.000		0.000		2.000		1.000		0.500		0.000
(iv)	WHS (Tanka)		7	100000	7.000		0.000		0.000		3.000		0.000		2.000		2.000
(v)	Nallah Bunding with ww		10	25600	2.560		0.000		0.000		0.512		0.512		0.768		0.768
3	**DRAINAGE LINE TREATMENT**		0		0.000		0.000		0.000		0.000		0.000		0.000		0.000
(i)	LSCD 'A'	No.	3	21100	0.633		0.000		0.000		0.844		0.000		0.000		-0.211
(ii)	LSCD 'B'	No.	3	19500	0.585		0.000		0.000		0.390		0.195		0.000		0.000
(iii)	LSCD 'C'	No.	7	17900	1.253		0.000		0.000		0.537		0.537		0.000		0.179
(iv)	LSCD 'D'	No.	8	16300	1.304		0.000		0.000		0.652		0.163		0.489		0.000
(v)	LSCD 'E'	No.	6	14700	0.882		0.000		0.000		0.441		0.147		0.294		0.000
(vi)	Earthern Bund	No.	7	54000	3.780		0.000		0.000		0.540		1.080		1.620		0.540
TOTAL					**24.663**		0.000		0.000		12.082		3.634		5.671		3.276
TOTAL NRM					**379.767**		0.000		0.000		141.992		101.399		81.281		55.095
VIII	**Production Measures**		**10%**	**67.815**													
	For Arable Land																
1	Arable bund	**Hac**	0	0	0.000		0.000		0.000		0.000		0.000		0.000		0.000
2	Agro Forestry		2508	18	0.451		0.000		0.000		0.180		0.126		0.041		0.104
3	Horticulture Plantation with fencing & Tanka		108	30200	32.616		0.000		0.000		3.020		5.436		4.228		19.932
4	Horticulture Plantation without fencing (Orchard)		44	8900	3.916		0.000		0.000		1.335		0.623		0.534		1.424
5	Vermi Compost		17	40000	6.800		0.000		0.000		0.000		0.000		0.800		6.000
6	Crop Demonstration	No.	124	1500	1.860		0.000		0.000		0.750		0.225		0.300		0.585
7	Homested Kitchen Gerden		128	500	0.640		0.000		0.000		0.225		0.075		0.150		0.190
8	Compost Pit		73	2000	1.460		0.000		0.000		0.800		0.400		0.100		0.160

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
	For Non-arable Land				0.000		0.000		0.000		0.000		0.000		0.000		0.000
1	V Ditch for PD		20	3520.00	0.704		0.000		0.000		0.704		0.000		0.000		0.000
2	Staggered Contour Trenches for PD		0	0.00	0.000		0.000		0.000		0.000		0.000		0.000		0.000
3	Plantation		20	49700.0	9.940		0.000		0.000		8.970		0.400		0.400		0.170
4	Fencing of PD (by DCB)	mt	20	25200.0	5.037		0.000		0.000		5.037		0.000		0.000		0.000
	LIVESTOCK MANAGEMENT		0		0.000		0.000		0.000		0.000		0.000		0.000		0.000
	Animal Health Camp		14	25000	3.500		0.000		0.000		1.500		1.000		0.750		0.250
	Vaccination		0		0.355		0.000		0.000		0.100		0.050		0.000		0.205
	Purchase of Bull / Pada		0	20000	0.000		0.000		0.000		0.000		0.000		0.000		0.000
	A I		0		0.536		0.000		0.000		0.200		0.000		0.200		0.136
	Total Production System				67.815		0.000		0.000		22.821		8.335		7.503		29.156
1	**LIVELIHOOD**		**9%**	**61.034**													
	Revolving fund to SHG's (5 to 20		147	**0.250**	36.620	0.000	0.000	0	0.000	68.000	17.000	48.000	12.000	5.000	1.250	28.000	6.370
	Revolving fund to individual entrepreneurs 10%		25	**0.250**	6.103	0.000	0.000	0	0.000	12.000	3.000	9.000	2.250	1.000	0.250	4.000	0.603
	Grant in aid to entrepreneurs SHG/SHG's federation 30%		10	**4.000**	18.310	0.000	0.000	0	0.000	4.000	8.000	3.000	6.000	0.000	0.000	4.000	4.310
	TOTAL				61.034	0.000	0.000	0	0.000	0.000	28.000	0.000	20.250	0.000	1.500	0.000	11.284
IX	**CONSOLIDATION PHASE**		**3%**	**20.345**	20.345		0.000		0.000		0.000		0.000		12.207		8.138
	GRAND TOTAL		**100%**		678.154		33.908		36.620		215.192		150.329		120.462		121.644

CHAPTER V

ANNUAL ACTION PLAN THROUGH CONVERGENCE

STATE RAJASTHAN	**IWMP-VI**	**UNIT COST**	15000	Hac.	
DISTRICT: JALORE	Rewat	**Geographical Area**			
AGROCLIMATIC ZONE:IIB	II B	**Effective Area**	1671	Hac.	1671
NAME OF BLOCK:	Jalore	**Total Arable land**			
NAME OF WATERSHED	JALORE VI	**1. Unirrigated**	1286	Hac.	
CATEGORY OF WATERSHED	DESERT AREA	**Total Nonarable land**			
IRRIGATION PERCENTAGE		**1. Pasture**	20	Hac.	
		2. Govt. / waste /OTHER LAND	365	Hac.	
		TOTAL COST	250.65	Lac.	

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
AI.	ADMINISTRATIVE COST		10%	25.065													
II	MONITORING		1%	2.507													
III	EVALUATION		1%	2.507													
TOTAL			12%	30.078													
BI	PREPARATORY PHASE ENTRY POINT ACTIVITY		4%	10.026													
II	INTITUTION & CAPACITY BUILDING		5%	12.533													
III	PREPARATION OF DETAILED PROJECT REPORT		1%	2.507													
TOTAL			10%	25.065													

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
C	**WATERSHED DEVELOPMENT WORKS (NRM)**																
1	**ARABLE CONSERVATION WORK**																
(i)	Vegitative counter bund	Hac	200	11600	23.200			25	2.900	50	5.800	20	2.320	20	2.320	85	9.860
(ii)	WHS (Tanka)	No.	10	81000	8.100			3	2.430	3	2.430	1	0.810	2	1.620	1	0.810
(iii)	Waste weir	No.	10	14000	1.400			2	0.280	1	0.140	0	0.000	0	0.000	7	0.980
(iv)	Gulley Control Structure Nallah Bunding (LSCD)	No.	10	10600	1.060			1	0.106	1	0.106	1	0.106	0	0.000	7	0.742
(v)	Other	No.			0.000				0.000		0.000						
TOTAL					**33.760**				**5.716**		**8.476**		**3.236**		**3.940**		**12.392**
2	**NON ARABLE CONSERVATION WORK**																
(i)	V Ditch for PD		0	15820	0.000				0.000	0	0.000		0.000		0.000		0.000
(ii)	Staggered Contour Trenches for PD		0	11790									0.000		0.000		0.000
(iii)	Dug out Pond		2	50000	1.000			1	0.500	1	0.500		0.000		0.000	0	0.000
(iv)	WHS (Tanka)		1	81000	0.810			1	0.810	0	0.000		0.000		0.000		0.000
(v)	Nallah Bunding with ww		3	24600	0.738			1	0.246	1	0.246		0.000		0.000	1	0.246
3	**DRAINAGE LINE TREATMENT**												0.000		0.000		0.000
(i)	LSCD 'A'	No.	1	18700	0.187			0	0.000	1	0.187	0	0.000	0	0.000		0.000
(ii)	LSCD 'B'	No.	1	17200	0.172			1	0.172	0	0.000		0.000		0.000		0.000
(iii)	LSCD 'C'	No.	3	15800	0.474			1	0.158	1	0.158	1	0.158	0	0.000		0.000
(iv)	LSCD 'D'	No.	3	14400	0.432			1	0.144	1	0.144	0	0.000	1	0.144	0	0.000
(v)	LSCD 'E'	No.	2	13000	0.260			0	0.000	1	0.130	0	0.000	1	0.130	0	0.000
(vi)	Masonry Check Dam	No.	1		1.595				0.194		0.302		0.211		0.062	1	0.826
TOTAL					**5.668**		**0.000**		**2.224**		**1.667**		**0.369**		**0.336**		**1.072**
TOTAL NRM					**39.428**		**0.000**		**7.940**		**10.143**		**3.605**		**4.276**		**13.464**
VIII	**Production Measures**		**10%**	**25.065**													
	For Arable Land																
1	Arable bund	**Hac**	200	320	0.640			40	0.128	30	0.096	30	0.096	65	0.208	35	0.112
2	Agro Forestry		0	73	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
3	Horticulture Plantation with fencing & Tanka		4	29400	1.176			1	0.294	1	0.294	1	0.294	1	0.294	0	0.000
4	Horticulture Plantation without fencing (Orchard)		4	10000	0.400			2	0.200	1	0.100	1	0.100	0	0.000	0	0.000
5	Vermi Compost		0	36000	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6	Crop Demonstration	No.	0	500	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7	Homested Kitchen Gerden		0	500	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8	Medicinal Plants		0	1000	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
	For Non-arable Land																0.000
1	V Ditch for PD		0	2200.00	0.000			0	0.000	0	0.000						0.000
2	Staggered Contour Trenches for PD		0	900.00													0.000
3	Plantation		0	49240.000	0.000					0	0.000						0.000
4	Fencing of PD (by DCB)	mt	0		0.000			0		0	0.000						0.000
	LIVESTOCK MANAGEMENT																0.000
	Animal Health Camp		4	20000	0.800			1	0.200	1	0.200	1	0.200				0.200
	Vaccination				0.000				0.000		0.000		0.000				0.000
	Purchase of Bull / Pada		0	20000													0.000
	A I				0.100				0.000		0.050				0.050		0.000
	Total Production System				3.116				0.822		0.740		0.690		0.552		0.312
1	**Household Production System& Micro Enterprises-Goat and Sheep Rearing, Service sector Carpentry Tailoring, Blacksmith, Repair shop for Cycle.**		**9%**	**0.000**													
TOTAL					**0.000**		**0.000**		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.000
IX	**CONSOLIDATION PHASE**		**3%**	**0.000**	**0.000**										**0.000**		**0.000**
	GRAND TOTAL		**100%**		**42.544**				**8.762**		**10.883**		**4.295**		**4.828**		**13.776**

CHAPTER V

ANNUAL ACTION PLAN THROUGH CONVERGENCE

STATE RAJASTHAN	**IWMP-VI**		**UNIT COST**	15000 Hac.	
DISTRICT: JALORE	Bhagli Sind		**Geographical Area**		
AGROCLIMATIC ZONE:IIB	II B		**Effective Area**	1828 Hac.	1479
NAME OF THE BLOCK:	Jalore		**Total Arable land**		
NAME OF WATERSHED	JALORE VI		**1. Unirrigated**	1486 Hac.	
CATEGORY OF WATERSHED	DESERT AREA		**Total Nonarable land**		
IRRIGATION PERCENTAGE			**1. Pasture**	97 Hac.	
			2. Govt. / waste /OTHER LAND	245 Hac.	
			TOTAL COST	274.2 Lac.	

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
AI.	ADMINISTRATIVE COST		10%	27.420													
II	MONITORING		1%	2.742													
III	EVALUATION		1%	2.742													
TOTAL			12%	32.904													
BI	PREPARATORY PHASE ENTRY POINT ACTIVITY		4%	10.968													
II	INTITUTION & CAPACITY BUILDING		5%	13.710													
III	PREPARATION OF DETAILED PROJECT REPORT		1%	2.742													
TOTAL			10%	27.420													

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
C	**WATERSHED DEVELOPMENT WORKS (NRM)**		**56%**														
1	**ARABLE CONSERVATION WORK**																
(i)	Vegitative counter bund	Hac	400	11600	46.400			80	9.280	50	5.800	50	5.800	105	12.180	115	13.340
(ii)	WHS (Tanka)	No.	20	81000	16.200			2	1.620	5	4.050	5	4.050	2	1.620	6	4.860
(iii)	Waste weir	No.	10	14000	1.400			3	0.420	5	0.700	0	0.000	2	0.280	0	0.000
(iv)	Gulley Control Structure Nallah Bunding (LSCD)	No.	10	10600	1.060			4	0.424	2	0.212	1	0.106	0	0.000	3	0.318
(v)	Other	No.			0.000				0.000		0.000						
TOTAL					**65.060**				**11.744**		**10.762**		**9.956**		**14.080**		**18.518**
2	**NON ARABLE CONSERVATION WORK**																
(i)	V Ditch for PD		0	15820	0.000			0	0.000	0	0.000		0.000		0.000		0.000
(ii)	Staggered Contour Trenches for PD		0	11790									0.000		0.000		0.000
(iii)	Dug out Pond		5	50000	2.500			1	0.500	1	0.500	2	1.000	1	0.500	0	0.000
(iv)	WHS (Tanka)		4	81000	3.240			1	0.810	2	1.620		0.000		0.000		0.810
(v)	Nallah Bunding with ww		10	24600	2.460			0	0.000	5	1.230		0.000	5	1.230		0.000
3	**DRAINAGE LINE TREATMENT**												0.000		0.000		0.000
(i)	LSCD 'A'	No.	8	18700	1.496			1	0.187	6	1.122	1	0.187	0	0.000		0.000
(ii)	LSCD 'B'	No.	8	17200	1.376			0	0.000	4	0.688	1	0.172	1	0.172		0.344
(iii)	LSCD 'C'	No.	8	15800	1.264			0	0.000	6	0.948	1	0.158	1	0.158		0.000
(iv)	LSCD 'D'	No.	8	14400	1.152			0	0.000	4	0.576	4	0.576	0	0.000	0	0.000
(v)	LSCD 'E'	No.	15	13000	1.950			0	0.000	8	1.040	4	0.520	2	0.260	1	0.130
(vi)	Masonry Check Dam	No.	0		0.000				0.000		0.000		0.000		0.000	0	0.000
TOTAL					**15.438**		**0.000**		**1.497**		**7.724**		**2.613**		**2.320**		**1.284**
TOTAL NRM					**80.498**		**0.000**		**13.241**		**18.486**		**12.569**		**16.400**		**19.802**
VIII	**Production Measures**		**10%**	**27.420**													
	For Arable Land																
1	Arable bund	**Hac**	400	320	1.280			60	0.192	50	0.160	50	0.160	100	0.320	140	0.448
2	Agro Forestry		0	73	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
3	Horticulture Plantation with fencing & Tanka		10	29400	2.940			1	0.294	2	0.588	2	0.588	2	0.588	3	0.882
4	Horticulture Plantation without fencing (Orchard)		10	10000	1.000			2	0.200	2	0.200	2	0.200	2	0.200	2	0.200
5	Vermi Compost		0	36000	0.000			0	0.000			0	0.000	0	0.000	0	0.000
6	Crop Demonstration	No.	0	500	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7	Homested Kitchen Gerden		0	500	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8	Medicinal Plants		0	1000	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
	For Non-arable Land																0.000
1	V Ditch for PD		0	2200.00	0.000			0	0.000	0	0.000						0.000
2	Staggered Contour Trenches for PD		0	900.00													0.000
3	Plantation		0	49240.000	0.000					0	0.000		0.000		0.000		0.000
4	Fencing of PD (by DCB)	mt	0		2.517			0		10	2.517						0.000
	LIVESTOCK MANAGEMENT																0.000
	Animal Health Camp		10	25000	2.500			2	0.500	2	0.500	2	0.500	2	0.500	2	0.500
	Vaccination				0.200				0.050		0.050		0.050				0.050
	Purchase of Bull / Pada		1	20000	0.200												0.200
	A I				0.200				0.000		0.050		0.050		0.050		0.050
	Total Production System				10.837				1.236		4.065		1.548		1.658		2.330
1	**Household Production System& Micro Enterprises-Goat and Sheep Rearing, Service sector Carpentry Tailoring, Blacksmith, Repair shop for Cycle.**		**9%**	**24.678**													
TOTAL					**0.000**		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.000
IX	**CONSOLIDATION PHASE**		**3%**	**8.226**	**0.000**										**0.000**		**0.000**
	GRAND TOTAL		**100%**		**91.335**				**14.477**		**22.551**		**14.117**		**18.058**		**22.132**

CHAPTER V

ANNUAL ACTION PLAN THROUGH CONVERGENCE

STATE RAJASTHAN	**IWMP-VI**		**UNIT COST**	15000 Hac.	
DISTRICT: JALORE	Letha		**Geographical Area**		
AGROCLIMATIC ZONE:IIB	II B		**Effective Area**	295 Hac.	295
NAME OF THE BLOCK:	Jalore		**Total Arable land**		
NAME OF WATERSHED	JALORE VI		**1. Unirrigated**	282 Hac.	
CATEGORY OF WATERSHED	DESERT AREA		**Total Nonarable land**		
IRRIGATION PERCENTAGE			**1. Pasture**	0 Hac.	
			2. Govt. / waste /OTHER LAN	13 Hac.	
			TOTAL COST	44.25 Lac.	

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
AI.	ADMINISTRATIVE COST		10%	4.425													
II	MONITORING		1%	0.443													
III	EVALUATION		1%	0.443													
TOTAL			12%	5.310													
BI	PREPARATORY PHASE ENTRY POINT ACTIVITY		4%	1.770													
II	INTITUTION & CAPACITY BUILDING		5%	2.213													
III	PREPARATION OF DETAILED PROJECT REPORT		1%	0.443													
TOTAL			10%	4.425													

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
C	**WATERSHED DEVELOPMENT WORKS (NRM)**		**56%**														
1	**ARABLE CONSERVATION WORK**																
(i)	Vegitative counter bund	Hac	100	11600	11.600			20	2.320	30	3.480	22	2.552	20	2.320	8	0.928
(ii)	WHS (Tanka)	No.	8	81000	6.480			0	0.000	2	1.620	2	1.620	2	1.620	2	1.620
(iii)	Waste weir	No.	5	14000	0.700			0	0.000	2	0.280	1	0.140	1	0.140	1	0.140
(iv)	Gulley Control Structure Nallah Bunding	No.	3	10600	0.318			0	0.000	2	0.212	0	0.000	0	0.000	1	0.106
(v)	Other	No.			0.000				0.000		0.000						
TOTAL					**19.098**		**0.000**		**2.320**		**5.592**		**4.312**		**4.080**		**2.794**
2	**NON ARABLE CONSERVATION WORK**																
(i)	V Ditch for PD		0	15820	0.000				0.000	0	0.000		0.000		0.000		0.000
(ii)	Staggered Contour Trenches for PD		0	11790									0.000		0.000		0.000
(iii)	Dug out Pond		2	50000	1.000			0	0.000	0	0.000	1	0.500		0.000	1	0.500
(iv)	WHS (Tanka)		2	81000	1.620			0	0.000	1	0.810	1	0.810		0.000		0.000
(v)	Nallah Bunding with ww		3	24600	0.738			0	0.000	1	0.246		0.000		0.000		0.492
3	**DRAINAGE LINE TREATMENT**												0.000		0.000		0.000
(i)	LSCD 'A'	No.	4	18700	0.748			1	0.187		0.000	1	0.187	0	0.000		0.374
(ii)	LSCD 'B'	No.	4	17200	0.688			0	0.000	0	0.000	1	0.172	1	0.172		0.344
(iii)	LSCD 'C'	No.	4	15800	0.632			1	0.158	0	0.000	1	0.158	0	0.000		0.316
(iv)	LSCD 'D'	No.	4	14400	0.576			1	0.144	0	0.000	0	0.000	1	0.144	2	0.288
(v)	LSCD 'E'	No.	4	13000	0.520			0	0.000	0	0.000	1	0.130	1	0.130	2	0.260
(vi)	Masonry Check Dam	No.	0		0.000				0.000	0	0.000		0.000	1	0.000	0	0.000
TOTAL					**6.522**				**0.489**		**1.056**		**1.957**		**0.446**		**2.574**
TOTAL NRM					**25.620**				**2.809**		**6.648**		**6.269**		**4.526**		**5.368**
VIII	**Production Measures**		**10%**	**4.425**													
	For Arable Land																
1	Arable bund	**Hac**	100	320	0.320			30	0.096	10	0.032	10	0.032	20	0.064	30	0.096
2	Agro Forestry		0	73	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
3	Horticulture Plantation with fencing & Tanka		2	29400	0.588			0	0.000	0	0.000	1	0.294	1	0.294	0	0.000
4	Horticulture Plantation without fencing (Orchard)		3	10000	0.300			0	0.000	2	0.200	0	0.000	0	0.000	1	0.100
5	Vermi Compost			36000	0.000			0	0.000			0	0.000	0	0.000	0	0.000
6	Crop Demonstration	No.		500	0.000				0.000		0.000		0.000		0.000	0	0.000
7	Homested Kitchen Gerden			500	0.000				0.000		0.000		0.000		0.000	0	0.000
8	Medicinal Plants			1000	0.000				0.000		0.000		0.000			0	0.000

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
	For Non-arable Land																0.000
1	V Ditch for PD		0	2200.00	0.000			0	0.000	0	0.000						0.000
2	Staggered Contour Trenches for PD		0	900.00													0.000
3	Plantation		0	49240.000	0.000					0	0.000		0.000		0.000		0.000
4	Fencing of PD (by DCB)	mt	0		0.000			0		10	0.000						0.000
	LIVESTOCK MANAGEMENT																0.000
	Animal Health Camp		6	25000	1.500			1	0.250	1	0.250	2	0.500	1	0.250	1	0.250
	Vaccination				0.183				0.050		0.050		0.050				0.033
	Purchase of Bull / Pada		1	20000	0.200												0.200
	A I				0.100				0.000		0.050				0.050		0.000
	Total Production System				3.191				0.396		0.582		0.876		0.658		0.679
1	**Household Production System& Micro Enterprises-Goat and Sheep Rearing, Service sector Carpentry Tailoring, Blacksmith, Repair shop for Cycle.**		**9%**	**3.983**													
TOTAL					**0.000**		**0.000**		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**		0.000
IX	**CONSOLIDATION PHASE**		**3%**	**1.328**	**0.000**										**0.000**		**0.000**
	GRAND TOTAL		**100%**		**28.81**				**3.205**		**7.230**		**7.145**		**5.184**		**6.047**

CHAPTER V

ANNUAL ACTION PLAN THROUGH CONVERGENCE

STATE RAJASTHAN	**IWMP-VI**		**UNIT COST**	15000 Hac.	
DISTRICT: JALORE	Narnawas		**Geographical Area**		
AGROCLIMATIC ZONE:IIB	II B		**Effective Area**	727 Hac.	611
NAME OF THE BLOCK:	Jalore		**Total Arable land**		
NAME OF WATERSHED	JALORE VI		**1. Unirrigated**	708 Hac.	
CATEGORY OF WATERSHED	DESERT AREA		**Total Nonarable land**		
IRRIGATION PERCENTAGE			**1. Pasture**	10 Hac.	
			2. Govt. / waste /OTHER LAND	9 Hac.	
			TOTAL COST	109.05 Lac.	

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
AI.	ADMINISTRATIVE COST		10%	10.905													
II	MONITORING		1%	1.091													
III	EVALUATION		1%	1.091													
TOTAL			12%	13.086													
BI	PREPARATORY PHASE ENTRY POINT ACTIVITY		4%	4.362													
II	INTITUTION & CAPACITY BUILDING		5%	5.453													
III	PREPARATION OF DETAILED PROJECT REPORT		1%	1.091													
TOTAL			10%	10.905													

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
C	**WATERSHED DEVELOPMENT WORKS (NRM)**		**56%**														
1	**ARABLE CONSERVATION WORK**																
(i)	Vegitative counter bund	Hac	160	11600	18.560			20	2.320	50	5.800	70	8.120	10	1.160	10	1.160
(ii)	WHS (Tanka)	No.	18	81000	14.580			1	0.810	3	2.430	5	4.050	7	5.670	2	1.620
(iii)	Waste weir	No.	12	14000	1.680			1	0.140	4	0.560	5	0.700	2	0.280	0	0.000
(iv)	Gulley Control Structure Nallah Bunding	No.	3	10600	0.318			1	0.106	1	0.106	1	0.106	0	0.000	0	0.000
(v)	Other	No.			0.000				0.000		0.000						
TOTAL					**35.138**		**0.000**		**3.376**		**8.896**		**12.976**		**7.110**		**2.780**
2	**NON ARABLE CONSERVATION WORK**																
(i)	V Ditch for PD		0	15820	0.000				0.000	0	0.000		0.000		0.000		0.000
(ii)	Staggered Contour Trenches for PD		0	11790									0.000		0.000		0.000
(iii)	Dug out Pond		5	50000	2.500			1	0.500	2	1.000		0.000	1	0.500	1	0.500
(iv)	WHS (Tanka)		5	81000	4.050			1	0.810	1	0.810		0.000	1	0.810		1.620
(v)	Nallah Bunding with ww		5	24600	1.230			1	0.246	1	0.246		0.000		0.000		0.738
3	**DRAINAGE LINE TREATMENT**												0.000		0.000		0.000
(i)	LSCD 'A'	No.	5	18700	0.935			1	0.187		0.000	0	0.000	0	0.000		0.748
(ii)	LSCD 'B'	No.	5	17200	0.860			1	0.172	1	0.172	1	0.172		0.000		0.344
(iii)	LSCD 'C'	No.	5	15800	0.790			1	0.158	1	0.158	1	0.158	0	0.000		0.316
(iv)	LSCD 'D'	No.	5	14400	0.720			0	0.000	0	0.000	1	0.144	0	0.000	4	0.576
(v)	LSCD 'E'	No.	5	13000	0.650			0	0.000	0	0.000	1	0.130		0.000	4	0.520
(vi)	Masonry Check Dam	No.	0		0.000				0.000		0.000		0.000		0.000	0	0.000
TOTAL					**11.735**		**0.000**		**2.073**		**2.386**		**0.604**		**1.310**		**5.362**
TOTAL NRM					**46.873**		**0.000**		**5.449**		**11.282**		**13.580**		**8.420**		**8.142**
VIII	**Production Measures**		**10%**	**10.905**													
	For Arable Land																
1	Arable bund	**Hac**	160	320	0.512			20	0.064	20	0.064	50	0.160	50	0.160	20	0.064
2	Agro Forestry		0	73	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
3	Horticulture Plantation with fencing & Tanka		3	29400	0.882			1	0.294	1	0.294	1	0.294	0	0.000	0	0.000
4	Horticulture Plantation without fencing (Orchard)		2	10000	0.200			1	0.100	1	0.100	0	0.000	0	0.000	0	0.000
5	Vermi Compost			36000	0.000				0.000				0.000		0.000	0	0.000
6	Crop Demonstration	No.		500	0.000				0.000		0.000		0.000		0.000	0	0.000
7	Homested Kitchen Gerden			500	0.000				0.000		0.000		0.000		0.000	0	0.000
8	Medicinal Plants			1000	0.000				0.000		0.000		0.000			0	0.000

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
	For Non-arable Land																0.000
1	V Ditch for PD		0	2200.00	0.000			0	0.000		0.000						0.000
2	Staggered Contour Trenches for PD		0	900.00													0.000
3	Plantation		0	49240.000	0.000					0	0.000		0.000		0.000		0.000
4	Fencing of PD (by DCB)	mt	0		0.000			0		0	0.000						0.000
	LIVESTOCK MANAGEMENT																0.000
	Animal Health Camp		10	25000	2.500			2	0.500	2	0.500	2	0.500	2	0.500	2.000	0.500
	Vaccination				0.161				0.050		0.050		0.050				0.011
	Purchase of Bull / Pada		1	20000	0.200								0.200				0.000
	A I				0.200				0.000		0.050				0.050		0.100
	Total Production System				4.655				1.008		1.058		1.204		0.710		0.675
1	**Household Production System& Micro Enterprises-Goat and Sheep Rearing, Service sector Carpentry Tailoring, Blacksmith, Repair shop for Cycle.**		**9%**	**9.815**													
TOTAL					**0.000**		**1.000**		**2.000**		**2.000**		**1.000**		**1.000**		-6.000
IX	**CONSOLIDATION PHASE**		**3%**	**3.272**	**0.000**										**0.000**		**0.000**
	GRAND TOTAL		**100%**		**51.528**		**1.000**		**8.457**		**14.340**		**15.784**		**10.130**		**2.817**

CHAPTER V

ANNUAL ACTION PLAN THROUGH CONVERGENCE

STATE RAJASTHAN	**IWMP-VI**	**UNIT COST**	15000	Hac.	
DISTRICT: JALORE	Total	**Geographical Area**			
AGROCLIMATIC ZONE:IIB	II B	**Effective Area**	4521	Hac.	4521
NAME OF BLOCK:	Jalore	**Total Arable land**	0		
NAME OF WATERSHED	JALORE VI	**1. Unirrigated**	3762	Hac.	
CATEGORY OF WATERSHED	DESERT AREA	**Total Nonarable land**	0		
IRRIGATION PERCENTAGE		**1. Pasture**	161	Hac.	
		2. Govt. / waste /OTHER LAND	598	Hac.	
		TOTAL COST	678	Lac.	

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
AI.	ADMINISTRATIVE COST		10%	67.815													
II	MONITORING		1%	6.782													
III	EVALUATION		1%	6.782													
TOTAL			12%	81.378													
BI	PREPARATORY PHASE ENTRY POINT ACTIVITY		4%	27.126													
II	INTITUTION & CAPACITY BUILDING		5%	33.908													
III	PREPARATION OF DETAILED PROJECT REPORT		1%	6.782													
TOTAL			10%	67.815													

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
C	**WATERSHED DEVELOPMENT WORKS (NRM)**																
1	**ARABLE CONSERVATION WORK**																
(i)	Vegitative counter bund	Hac	200	11600	23.200			145	16.820	180	20.880	162	18.792	155	17.980	218	25.288
(ii)	WHS (Tanka)	No.	10	81000	8.100			6	4.860	13	10.530	13	10.530	13	10.530	11	8.910
(iii)	Waste weir	No.	10	14000	1.400			6	0.840	12	1.680	6	0.840	5	0.700	8	1.120
(iv)	Gulley Control Structure Nallah Bunding (LSCD)	No.	10	10600	1.060			6	0.636	6	0.636	3	0.318	0	0.000	11	1.166
(v)	Other	No.			0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL					**33.760**				**23.156**		**33.726**		**30.480**		**29.210**		**36.484**
2	**NON ARABLE CONSERVATION WORK**																
(i)	V Ditch for PD		0	15820	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(ii)	Staggered Contour Trenches for PD		0	11790	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(iii)	Dug out Pond		14	50000	7.000			3	1.500	4	2.000	3	1.500	2	1.000	2	1.000
(iv)	WHS (Tanka)		12	81000	9.720			3	2.430	4	3.240	1	0.810	1	0.810	0	2.430
(v)	Nallah Bunding with ww		21	24600	5.166			2	0.492	8	1.968	0	0.000	5	1.230	1	1.476
3	**DRAINAGE LINE TREATMENT**		0		0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
(i)	LSCD 'A'	No.	18	18700	3.366			3	0.561	7	1.309	2	0.374	0	0.000	0	1.122
(ii)	LSCD 'B'	No.	18	17200	3.096			2	0.344	5	0.860	3	0.516	2	0.344	0	1.032
(iii)	LSCD 'C'	No.	20	15800	3.160			3	0.474	8	1.264	4	0.632	1	0.158	0	0.632
(iv)	LSCD 'D'	No.	20	14400	2.880			2	0.288	5	0.720	5	0.720	2	0.288	6	0.864
(v)	LSCD 'E'	No.	26	13000	3.380			0	0.000	9	1.170	6	0.780	4	0.520	7	0.910
(vi)	Masonry Check Dam	No.	1		1.595			0	0.194	0	0.302	0	0.211	1	0.062	1	0.826
TOTAL					**39.363**		**0.000**		**6.283**		**12.833**		**5.543**		**4.412**		**10.292**
TOTAL NRM					**73.123**		**0.000**		**29.439**		**46.559**		**36.023**		**33.622**		**46.776**
VIII	**Production Measures**		**10%**	**67.815**													
	For Arable Land																
1	Arable bund	**Hac**	200	320	0.640			150	0.480	110	0.352	140	0.448	235	0.752	225	0.720
2	Agro Forestry		0	73	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
3	Horticulture Plantation with fencing & Tanka		4	29400	1.176			3	0.882	4	1.176	5	1.470	4	1.176	3	0.882
4	Horticulture Plantation without fencing (Orchard)		4	10000	0.400			5	0.500	6	0.600	3	0.300	2	0.200	3	0.300
5	Vermi Compost		0	36000	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6	Crop Demonstration	No.	0	500	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7	Homested Kitchen Gerden		0	500	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8	Medicinal Plants		0	1000	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

S. N.	ACTIVITY	Unit	Quantity	Unit Cost	Total cost	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR		SIXTH YEAR	
						PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN
	For Non-arable Land							0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
1	V Ditch for PD		0	2200.00	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
2	Staggered Contour Trenches for PD		0	900.00				0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
3	Plantation		0	49240.0	0.000			0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
4	Fencing of PD (by DCB)	mt	0		0.000			0	0.000	20	2.517	0	0.000	0	0.000	0	0.000
	LIVESTOCK MANAGEMENT							0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Animal Health Camp		4	20000	0.800			6	1.450	6	1.450	7	1.700	5	1.250	5	1.450
	Vaccination				0.000			0	0.150	0	0.150	0	0.150	0	0.000	0	0.094
	Purchase of Bull / Pada		0	20000				0	0.000	0	0.000	0	0.200	0	0.000	0	0.400
	A I				0.100			0	0.000	0	0.200	0	0.050	0	0.200	0	0.150
	Total Production System				3.116			0	3.462	0	6.445	0	4.318	0	3.578	0	3.996
1	**Household Production System& Micro Enterprises-Goat and Sheep Rearing, Service sector Carpentry Tailoring, Blacksmith, Repair shop for Cycle.**		**9%**	**61.034**													
TOTAL					**0.000**		**0.000**		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.000
IX	**CONSOLIDATION PHASE**		**3%**	**20.345**	**0.000**										**0.000**		**0.000**
	GRAND TOTAL		**100%**		**76.239**				**32.901**		**53.004**		**40.341**		**37.200**		**50.772**

CHAPTER VII TECHNICAL DESIGNS AND ESTIMATES

Technical designs and estimates for proposed activities.

For Estimates GKN of the districts should be used. For Production System activities, rates of Agriculture/Horticulture/Animal Husbandry should be used.

MODAL ESTIMATE

Name of Watershed Jalore VI (IWMP)

Name of Work : Crop/Fodder Demonstration

S.No.	Details	Area/ Demo. (Hec.)	Seed		D.A.P		MOP		Urea		Insectisides		Culture		Amount/ Demo
			Qty.(kg.)	Amt.	Qty.(kg.)	Amt.	Qty.(kg.)	Amt.	Qty.(M.L)	Amt.	Qty.(M.L)	Amt.	No. of Packt.	Amt.	
A	**Kharif Session** 1. Single crop (i) Moong	1	20	1100.00	50.00	1250.00	0	0	0	0	1	275.00	3	30.00	2655
	(ii) Cluster Bean (Guar)	1	20	1600.00	50.00	1250.00	0	0	0	0	1	275.00	3	30.00	3155
	2. Intercropping Moong + Bajra	1	10	630.00	50.00	1250.00	0	0	0	0.00	1	275.00	3	30.00	2185
B	**Rabi Session** (i) Mustered	1	3.00	225.00	50	1250.00			50	300.00	1	275.00	3	30.00	2080
C	**Fodder Demos.** (i) Lucern	1	8	3200.00	50.00	1250.00	0	0.00	50	30.00	0.00	0.00	3	30.00	4753

1. Crop Demonstration = $\frac{2655+3155+2185+2080}{4}$ = 2518.75 say 2520/-Ha.

II. Fodder Demonstration =4753 say 4750/- Ha

MODEL ESTIMATE

नाम जल ग्रहण क्षेत्र– जालोर **VI (I.W.M.P)**

कार्य का नाम–कृषि भूमि पर वानिकी पौधारोपण

पौधों की संख्या : 100

क्र.सं.	विवरण	ल.Xचौ.Xग. = कुल मात्रा
1	45X45X45 सेमी. माप के गड्डे करना कठोर मिट्टी । 400 गड्डे/हैक्टर	100 गड्डे
2	पौधे रोपण करना	100 पौधे
3	पौधों की कीमत	108 पौधे (100+8=108) 8% भराई एवं खाली कराई खराबा
4	पौधों का परिवहन पौधे भराई एवं खाली कराई सहित 5 कि0मी. दूरी तक के लिए	108 पौधे
5	पौधे रोपण के समय डीएपी डालना	100 पौधे@ 0.03 कि.ग्रा.@पौधा = 3 कि.ग्रा.
6	दीमक नियन्त्रण हेतु एन्डोंसल्फान 4: चूर्ण	2x100 पौधे@ 0.05 कि.ग्रा.@पौधा = 10 कि.ग्रा. (2 वर्ष तक प्रति वर्ष 1 बार)
7	पौधो में उर्वरक एवं कीट ना ाक दवाई डालना	100 पौधे

50 पौधे /हैक्टर

MODEL ESTIMATE

नाम जल ग्रहण क्षेत्र– जालोर **X (I.W.M.P)**

कार्य का नाम–कृषि भूमि पर वानिकी पौधारोपण

पौधो की संख्याः 100

क्र.सं.	विवरण	मात्रा	इकाई	दर		रा ि ा	
				श्रम	कुल	श्रम	कुल
1	45X45X45 सेमी. माप के गड्डे करना कठोर मिट्टी 400 गड्डे/हैक्टर (जि.स्त.दर.अनु.2010पृ.सं0 20 क्र.सं.127ब)	100	संख्या	6.80	6.80	680.00	680.00
2	पौधे रोपण करना (जि.स्त.दर.अनु.2010पृ.सं0 20 क्र.सं.128ब)	100	संख्या	3.00	3.00	300.00	300.00
3	पौधों की कीमत	108	संख्या	-	5.00	-	540.00
4	पौधों का परिवहन पौधे भराई एवं खाली कराई सहित 5 कि0मी. दूरी तक के लिए	108	संख्या /1000	-	908.21		98.09
5	पौधे रोपण के समय डीएपी डालना	3	कि.ग्रा.	-	10.00	-	30.00
6	दीमक नियन्त्रण हेतु एन्डोंसल्फान 4% चूर्ण	10	कि.ग्रा.	-	12.00	-	120.00
7	पौधो में उर्वरक एवं कीट ना ाक दवाई डालना	100	संख्या	0.21	0.21	21.00	21.00
	योग					**1001.00**	**1789.09**
	जोडा 3% कन्टोजेन्सी						**53.67**
	योग						**1842.76**
	लागत श्रम भाग						**1001.00**
	लागत सामग्री भाग						**841.76**
	कुल योग						**1842.76**
						Say	**1800.00**

Say 18 रू / पौधा

50 पौधे /हैक्टर@ 18/ पौधा =900/हैक्टर

280 हैक्टर@ 900/ हैक्टयर =252000.00

Beneficiary Contributaion 76000.00

MODAL ESTIMATE

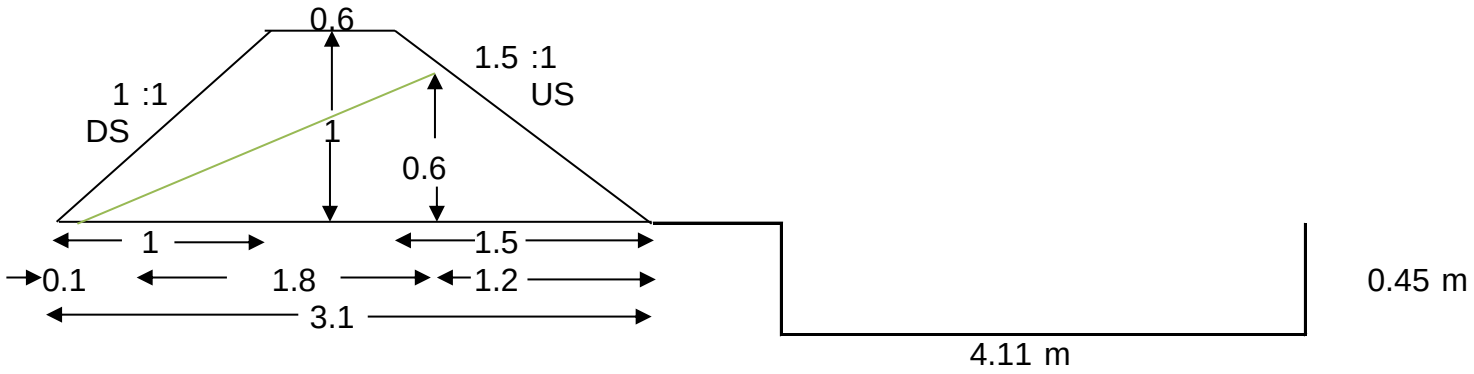
Name of watershed – Jalore VI (IWMP) Name of Work– Home stead kitchen graden

S.No	Name of Vegitable Seed	Quantity	Rate	Amount
1	Tomato	10 gm	130/10gm	130.00
2	Brinjal	10 gm	20/10gm	20.00
3	Lady finger	100 gm	100/500gm	20.00
4	Onion	20 gm	100/100gm	20.00
5	Radish	10 gm	20/10gm	20.00
6	Chilli	10 gm	80/10gm	80.00
7	Caaliflower	10 gm	210/10gm	210.00
	Total			**500.00**

Rs. 500 Per No.

CROSS-SECTION OF VEGETATIVE BUND IN ARABLE LAND

Top width Based on seepage line check
Slope of seepage line 3:1



$$CS = \frac{(Tw+Bw)}{2} * Ht$$

CS = 1.85 Sq.m.

Average Cross section	1.85	Sq.m.
Length	1.00	m.
Quantity	1.85	Cu.m.

DESIGN OF VEGETATIVE BUND IN ARABLE LAND

V.I = 0.305 (XS+Y)

0.305(0.8 x 2+1.0)

V.I = 0.549

V.I	Vertical interval	
X=	Rain Fall Factor	0.8
Y=	Factor due to soil infiltration & Crop cover	1
S=	Percent slope	1

$$He = \frac{(Re \times VI)^{1/2}}{(50)^{1/2}}$$

He= 0.6199 Say 0.60 m

He	Depth of impounding	
Re	24Hour rainfall excess in Cms. for 10 year recurrence interval	35
V.I	Vertical interval	0.549

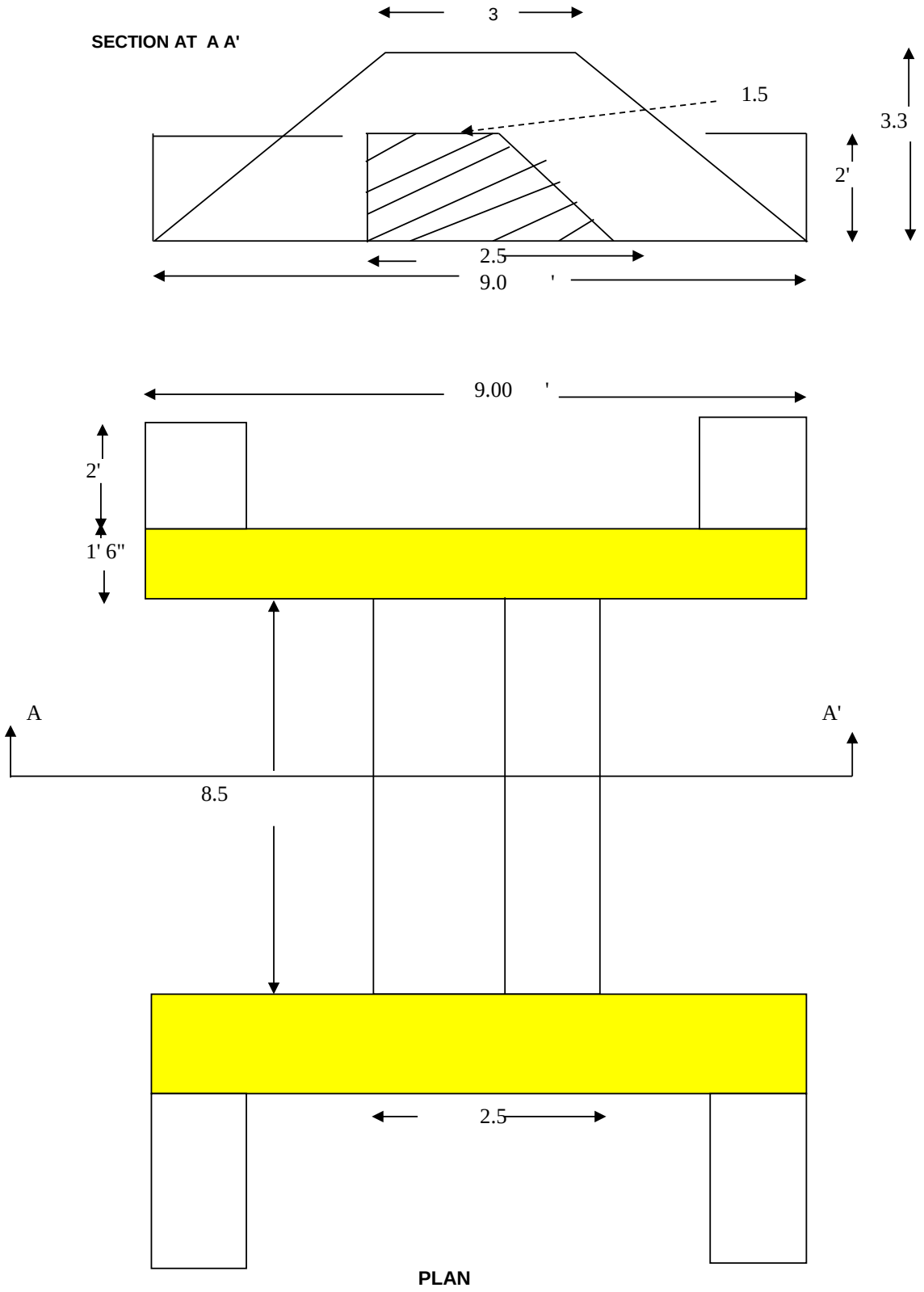
Total Height of Bund	=	0.6	+ 0.4	1.00	m
Top width of Bund	=			0.6	m
Bottom width of Bund	=			3.1	m

Cross section of bund = $\frac{(\text{Top width of Bund} + \text{Bottom width of Bund})}{2} \times \text{Height}$

X Section= $\frac{(0.60+3.1)}{2} \times 1.00$

X Section= 1.85 Sq.m.

Drawing of Waste Weir



Construction of Waste Weir

Construction of Waste Weir

DETAILS OF WORK AND ABSTRACT OF COST

S. No.	Item	No.	Detail			Quantity		Unit	Rate		Amount	
			L	B	D/H	Feet	Metre		Lab	Total	Lab	Total
1	Excavation in hard soil ordinary muram or earth mixed with bajri and kankar or boulder dry or moist & disposal of excavated material within initial lead of 30 m and lift of 1.5 m including dressing etc. complete.	2	9.5	2	2	76						
		2	2	2	2	16						
		1	8	2.5	2	40						
						0						
						0						
						132	3.7356	cum.	82.00	82.00	306.319	306.319
2	Cement concrete well mixed in cement mortar (1 : 4 : 8) laid in position complete including curing.Aggregate size upto 50 mm, HB	2	9.5	2	0.5	19						
		2	2	2	0.5	4						
		1	8	2.5	0.5	10						
						0						
						0						
						33	0.9339	cum.	260.00	1914.00	242.814	1787.48
3	Random rubble stone masonary in cement sand mortar (1 : 6)For foundation	2	9.5	1.75	1.5	49.875						
		2	2	1.75	1.5	10.5						
		1	8	2.5	1.5	30						
						0						
						90.375	2.55761	cum.	473.00	1790.00	1209.75	4578.13
4	Random rubble stone masonary in cement sand mortar (1 : 6) For superstructure 9 3	2	6	1.5	3.25	58.5						
		4	2	1.5	2	24						
		1	8.5	2	1	17						
						99.5	2.81585	cum.	628.25	1951.00	1769.06	5493.72
5	Dry Stone kharanja (15 to 30 cm) Item 140	1	8.5	3	0.3	7.65						
						0						
						7.65	0.71069	cum.	199.50	1045.00	141.782	742.666

6	Cement plaster including smooth finishing in cement mortar (1:6) 25 mm thick.	2	13	1.5	1	39						
		4	2	1.5	1	12						
		1	8.5	1.5	1	12.75						
		1	8.5	1	1	8.5						
						72.25	6.71203	sqm.	77.65	138.00	521.189	926.259
7	Ruled pointing in cement mortar (1:3)	2	6	3.25	1	39						
		4	2	2	1	16	1.4864	sqm.				
		1	8.5	1.25	1	10.625						
						65.625	6.09656	sqm.	45.80	57.00	279.223	347.504
											4470.13	14182.1

	Quantity	Rate	Amount
Skilled labour	5.96	325	1937
Unskilled labour	14.64	135	1976
Water			556
			4470

Cement 2

Cement 2

Amount		
Labour	A	4470.13
Material	B	9711.95
Total	C	14182.1
Add contingency		390
Total (C+D)		14572.1
	Say	**14600**

S. No	Material	Unit	Quantity	Rate	Amount
1	Sand	Cu.m.	2.272080	400	908.832
2	Stone Agg of 40 mm nominal size	Cu.m.	0.8	400	336.204
3	Stone	Cu.m.	5.4	700	3761.42
4	Cement	Kg	635.58	280	3559.26
					8770.4
	Other				941.547
			Total		9711.95

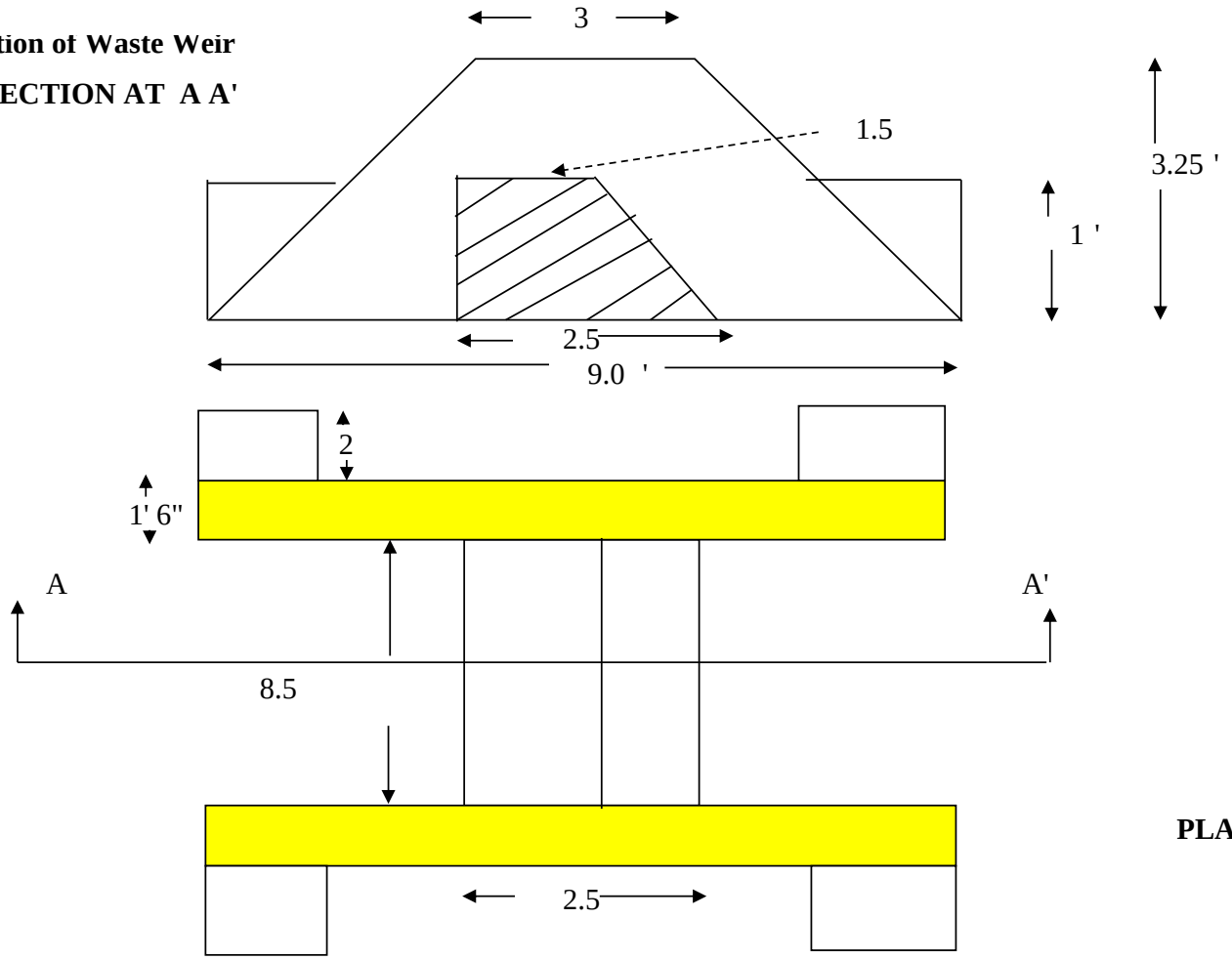
12.712 Bag

10 No.@14700/No.=147000.00

Beneficiary Contributaion 11000.00

Construction of Waste Weir

CROSS SECTION AT A A'



PLAN

Construction of Waste Weir Non Arable Land

DETAILS OF WORK AND ABSTRACT OF COST

S. No.	Item	No.	Detail			Quantity		Unit	Rate		Amount	
			L	B	D/H	Feet	Metre		Lab	Total	Lab	Total
1	Excavation in hard soil ordinary muram or earth mixed with bajri and kankar or boulder dry or moist & disposal of excavated material within initial lead of 30 m and lift of 1.5 m including dressing etc. complete.	2	9.5	2	2	76						
		2	2	2	2	16						
		1	8	2.5	2	40						
						0						
						0						
						132	3.7356	cum.	82.00	82.00	306.32	306.32
2	Cement concrete well mixed in cement mortar (1 : 4 : 8) laid in position complete including curing.Aggregate size upto 50 mm, HB	2	9.5	2	0.5	19						
		2	2	2	0.5	4						
		1	8	2.5	0.5	10						
						0						
						0						
						33	0.9339	cum.	260.00	1914.00	242.81	1787.5
3	Random rubble stone masonary in cement sand mortar (1 : 6)For foundation	2	9.5	1.75	1.5	49.875						
		2	2	1.75	1.5	10.5						
		1	8	2.5	1.5	30						
						0						
						90.375	2.5576	cum.	473.00	1790.00	1209.8	4578.1
4	Random rubble stone masonary in cement sand mortar (1 : 6) For superstructure	2	6	1.5	3.25	58.5						
		4	2	1.5	2	24						
		1	8.5	2	1	17						
	9											
						99.5	2.8159	cum.	628.25	1951.00	1769.1	5493.7
5	Dry Stone kharanja (15 to 30 cm) Item 140	1	8.5	3	0.3	7.65						
						0						
						7.65	0.7107	cum.	199.50	1045.00	141.78	742.67
6	Cement plaster including smooth finishing in cement mortar (1:6) 25 mm thick.	2	13	1.5	1	39						
		4	2	1.5	1	12						
		1	8.5	1.5	1	12.75						
		1	8.5	1	1	8.5						
						72.25	6.712	sqm.	77.65	138.00	521.19	926.26
7	Ruled pointing in cement mortar (1:3)	2	6	3.25	1	39						
		4	2	2	1	16	1.4864	sqm.				

			1	8.5	1.25	1	10.625						
							65.625	6.0966	sqm.	45.80	57.00	279.22	347.5
												4470.2	14320

	Quantity	Rate	Amount
Skilled labour	5.96	325	1937
Unskilled labour	14.64	135	1976
Water			557
			4470

Cement 2

Cement 2

Amount		
Labour	A	4470.2
Material	B	9850.1
Total	C	14320
Add contingency		390
Total (C+D)		14710
	Say	**14700**

S. No.	Material	Unit		Quantity	Rate	Amount		
1	Sand		Cu.m.	2.272080	400	908.83		
2	Stone Agg of 40 mm nominal size		Cu.m.	0.8	400	336		
3	Stone		Cu.m.	5.4	700	3759		
4	Cement		Kg	635.58	280	3559.2	12.712	Bag
						8563.1		
	Other					1287		
				Total		9850.1		

40 No.@14700/No.=588000.00

ESTIMATE OF VEGETATIVE BUND IN ARABLE LAND

Estimate of One ha.

Length per ha. = 80 mtr

S. no	Name of work	Item no.	No	Length	Width (TW+BW) /2	Hight	Qty	Unit	Rate	Amount
1	Earth work Excavation for making of bund, laying in layers of 15 cm, breaking of clods, sorting of grass pebbles, disposal of excavated material up to 1.5 mt Hight and lead up to 50 m including dressing and compaction	135 c	1	80	1.85	1	148.00	Cum	84.80	12550.40
2	Sowing of seeds on the constructed bund in three rows	114	3	80			240	meter	0.60	144.00
3	Supply of Stylo/Dhaman seed @ 4 gm / m in three rows	CAZRI Rate	3	80			0.96	Kg	200.00	192.00
										12886.4
									Add 3% contingency	386.59
									Total	13273.0
									Say	**13300.0**

MODEL ESTIMATE

नाम जल ग्रहण क्षेत्र– जालोर **X (I.W.M.P)**

कार्य का नाम– अर्दन बण्ड कृषि भूमि

औसत लम्बाई 80 मीटर

क्र.सं.	विवरण	मात्रा	इकाई	दर		राि ा	
				श्रम	कुल	श्रम	कुल
1	डाग बेलिंग 2.5 से 5 सेमी गहराई तक (जि.स्त. दर.अनु.2010पृ.सं025 क्र.सं. 182)	160.00	मीटर	0.47	0.47	75.20	75.20
2	मिट्टी का कार्य बन्ध में (सूखी या गीली) 15 सेमी परत में डालना, ढेलों को तोडना, घास–पात तथा कंकर बीनकर अलग करना तथा मिट्टी की दरेसी करना 1.5 मी0 उठाना तथा 50 मीटर दूरी के लिए। कठोर मिट्टी में मिट्टी की कुटाई मानव द्वारा या प्लेन रोलर द्वारा ।(जि.स्त.दर	387.20	घ.मी.	84.80	84.80	32834.56	32834.56
3	बीज बुवाई बनाये गये रिज पर (जि.स्त.दर.अनु.2010पृ.सं0 20 क्र.सं.129)	160.00	मीटर	0.60	0.60	96.00	96.00
4	डिवलिंग विधि से वानिकी बीच बुवाई कार्य (जि.स्त.दर.अनु.2010पृ.सं0 25क्र.सं.184)	540.00	नग/100	9.90	9.90	53.46	53.46
5	बीजो की मात्रा 1. घामण घास बीज	2.00	कि.ग्रा	-	50.00	-	100.00
6	वानिकी बीज	2.00	कि.ग्रा	-	40.00	-	80.00
7	15 से 30 सेमी मोटे, हथौडे से तरासे हुऐ एकल पत्थर की पिचिंग समस्त उठान के साथ, आपूर्ति सहित	18.40	घ.मी.	199.50	1045.00	3670.80	19228.00
	योग					**36730.02**	**52467.22**
	जोडा 3% कन्टोजेन्सी						**1574.02**
	योग						**54041.24**
	लागत श्रम भाग						**36730.02**
	लागत सामग्री भाग						**17311.22**
	कुल योग						**54041.24**
						Say	**54000.00**

100 no.@54000/No. 540000.00

Beneficiary Contributaion 405000.00

MODEL ESTIMATE

नाम जल ग्रहण क्षेत्र– जालोर **10 (I.W.M.P)** कार्य का नाम– अर्दन बण्ड

औसत लम्बाई 80 मीटर

क्र.सं.	विवरण	ल.Xचौ.Xग. = कुल मात्रा
1	डाग बेलिंग 2.5 से 5 सेमी गहराई तक	2x 80 = 160 मीटर
2	मिट्टी का कार्य बन्ध में (सूखी या गीली) 15 सेमी परत में डालना, ढेलों को तोडना, घास–पात तथा कंकर बीनकर अलग करना तथा मिट्टी की दरेसी करना 1.5 मी0 उठाना तथा 50 मीटर दूरी के लिए। कठोर मिट्टी में मिट्टी की कुटाई मानव द्वारा या प्लेन रोलर द्वारा ।	$80x\frac{(0.60+5.85)}{2}x\ 1.50$ = 387.20घ.मी.
3	धामन/घास बीज बुवाई बनाये गये रिज पर दो लाईनों में	2 x 80 = 160 मी.
4	डिवलिंग विधि से वानिकी बीच बुवाई कार्य	$= \frac{80x100}{15}$ = 533.50 say 540
5	बीजो की मात्रा 1. घामण घास बीज	160 मीटर @ 1 किलो/100 मीटर =1.60 किलो say 2 कि.ग्रा.
6	वानिकी बीज	160 मीटर @ 1 किलो/100 मीटर =1.60 किलो say 2 कि.ग्रा.
7	15 से 30 सेमी मोटे, हथौडे से तरासे हुऐ एकल पत्थर की पिचिंग समस्त उठान के साथ, आपूर्ति सहित	80x0.23 x1.0=18.40घ.मी.

MODEL ESTIMATE

नाम जल ग्रहण क्षेत्र– जालोर **VI (I.W.M.P)** कार्य का नाम– अर्दन बण्ड अकृषि भूमि

औसत लम्बाई 80 मीटर

क्र.सं.	विवरण	मात्रा	इकाई	दर		रा ि ा	
				श्रम	कुल	श्रम	कुल
1	डाग बेलिंग 2.5 से 5 सेमी गहराई तक (जि.स्त. दर.अनु.2010पृ.सं025 क्र.सं. 182)	160.00	मीटर	0.47	0.47	75.20	75.20
2	मिट्टी का कार्य बन्ध में (सूखी या गीली) 15 सेमी परत में डालना, ढेलों को तोडना, घास–पात तथा कंकर बीनकर अलग करना तथा मिट्टी की दरेसी करना 1.5 मी0 उठाना तथा 50 मीटर दूरी के लिए। कठोर मिट्टी में मिट्टी की कुटाई मानव द्वारा या प्लेन रोलर द्वारा ।(जि.स्त.दर	387.20	घ.मी.	84.80	84.80	32834.56	32834.56
3	बीज बुवाई बनाये गये रिज पर (जि.स्त.दर.अनु.2010पृ.सं0 20 क्र.सं.129)	160.00	मीटर	0.60	0.60	96.00	96.00
4	डिवलिंग विधि से वानिकी बीच बुवाई कार्य (जि.स्त.दर.अनु.2010पृ.सं0 25क्र.सं.184)	540.00	नग/100	9.90	9.90	53.46	53.46
5	बीजो की मात्रा 1. घामण घास बीज	2.00	कि.ग्रा	-	50.00	-	100.00
6	वानिकी बीज	2.00	कि.ग्रा	-	40.00	-	80.00
7	15 से 30 सेमी मोटे, हथौडे से तरासे हुऐ एकल पत्थर की पिचिंग समस्त उठान के साथ, आपूर्ति सहित	18.40	घ.मी.	199.50	1045.00	3670.80	19228.00
	योग					**36730.02**	**52467.22**
	जोडा 3% कन्टोजेन्सी						**1574.02**
	योग						**54041.24**
	लागत श्रम भाग						**36730.02**
	लागत सामग्री भाग						**17311.22**
	कुल योग						**54041.24**
						Say	**54000.00**

50 no.@54000/No. 270000.00

MODEL ESTIMATE

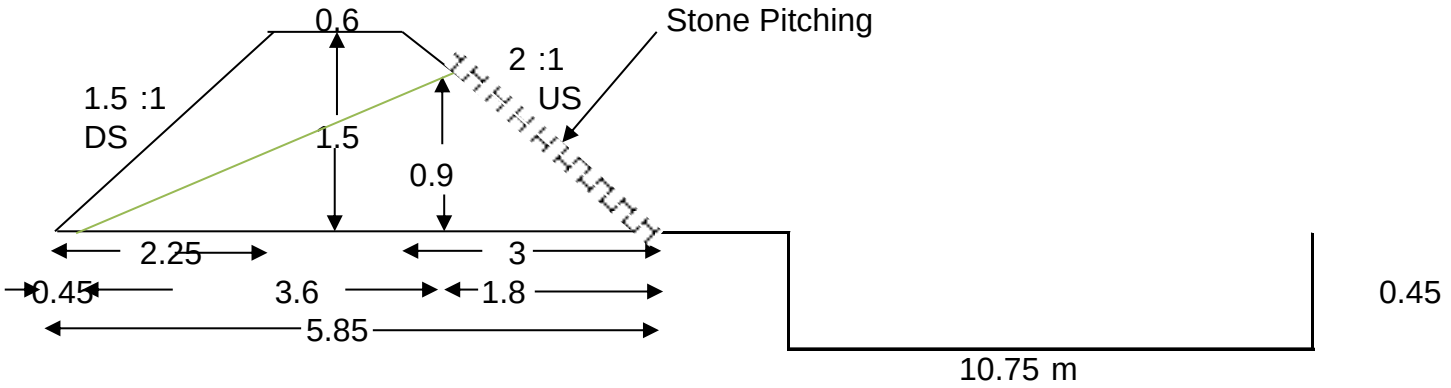
नाम जल ग्रहण क्षेत्र– जालोर VI (**I.W.M.P**) कार्य का नाम– अर्दन बण्ड

औसत लम्बाई 80 मीटर

क्र.सं.	विवरण	ल.Xचौ.Xग. = कुल मात्रा
1	डाग बेलिंग 2.5 से 5 सेमी गहराई तक	2x 80 = 160 मीटर
2	मिट्टी का कार्य बन्ध में (सूखी या गीली) 15 सेमी परत में डालना, ढेलों को तोडना, घास–पात तथा कंकर बीनकर अलग करना तथा मिट्टी की दरेसी करना 1.5 मी0 उठाना तथा 50 मीटर दूरी के लिए। कठोर मिट्टी में मिट्टी की कुटाई मानव द्वारा या प्लेन रोलर द्वारा ।	$80x\frac{(0.60+5.85)}{2}x\ 1.50$ = 387.20घ.मी.
3	धामन/घास बीज बुवाई बनाये गये रिज पर दो लाईनों में	2 x 80 = 160 मी.
4	डिवलिंग विधि से वानिकी बीच बुवाई कार्य	$= \frac{80x100}{15}$ = 533.50 say 540
5	बीजो की मात्रा 1. घामण घास बीज	160 मीटर @ 1 किलो/100 मीटर =1.60 किलो say 2 कि.ग्रा.
6	वानिकी बीज	160 मीटर @ 1 किलो/100 मीटर =1.60 किलो say 2 कि.ग्रा.
7	15 से 30 सेमी मोटे, हथौडे से तरासे हुऐ एकल पत्थर की पिचिंग समस्त उठान के साथ, आपूर्ति सहित	80x0.23 x1.0=18.40घ.मी.

CROSS-SECTION OF NALLAH BUNDING

Top width Based on seepage line check
Slope of seepage line 4:1

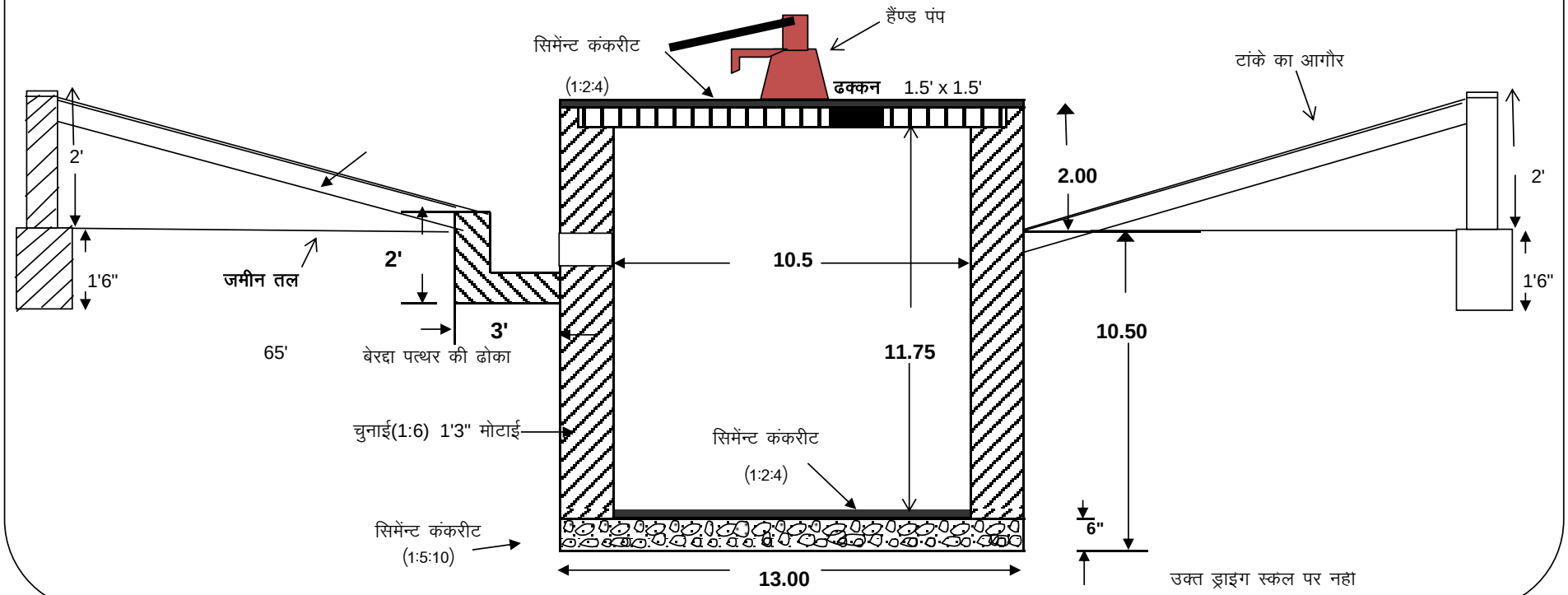


$$CS = \frac{(Tw+Bw)}{2} * Ht$$

CS = 4.8375 Sq.m.

Average Cross section 4.84 Sq.m.

टॉके की ड्राईग


हैण्ड पंप
सिमेंन्ट कंकरीट
(1:2:4)
ढक्कन 1.5' x 1.5'
टांके का आगौर
2'
2.00
2'
1'6"
जमीन तल
2'
10.5
1'6"
3'
65'
बेरद्दा पत्थर की ढोका
11.75
10.50
चुनाई(1:6) 1'3" मोटाई
सिमेंन्ट कंकरीट
(1:2:4)
सिमेंन्ट कंकरीट
(1:5:10)
6"
13.00
उक्त ड्राइग स्कल पर नहो

Model estimate Barbed wire fencing

Area 0.17 Ha

Length 164.9 mtr. Spacing 4 m
Say 165 mtr.
No of post As per length= Length/spacing 41.00
Additional post require after every 10 Posts 4
45.00

Length of Post 7.5 Feet 2.286 m
Width of post 1 Feet 0.3 m
Quantity of one post 0.686 Sq.m

S.No	Description	Item no.	No	Length of single wire	Total length	Kg/mtr	Quantity	Unit	Rate	Amount
1	Supply of barbed wire fencing 14 gauge		5	165	825	0.08	66	Kg	49.00	3234
2	Supply of Jodhpur stone slab for post		45				30.86	Sq.m	490.00	15121.89
3	Rehandling of posts to pit	LS	45				45.00	No	15.00	675.00
4	fixing of post in 45 cm. deep pit	2B	45	0.45	0.3	0.45	2.73	Cum	82.00	224.17
5	Cost of binding wire						6	Kg	60.00	360.00
6	Stretching of barbed wire and fixing it with the post with thin wire	5.5/forest					825	mtr	1.25	1031.25
7	interlacing the barbed wire with locally available bushy material at a spacing of 15 cms	5.6/forest			45		45	mtr	7.40	333
										20646.31

Add 3% contingency 619.39
21265.70
Say **21300.0**

Design of Water Harvesting Structure (tanka)

Collection of Water = Area * rainfall* 80%	Capacity as per Structural design
Catchment Area = $\pi/4 * D^2$ D= 11.70	Cum= $\pi/4 * D_t^2$ * Hight
= 107.5 Sqm	D_t= Inner diameter of tanka
Rainfall = 0.3 Mtr	D_t= 3.2 3.2004
	Hight = 3.20
Collection of water = 25.79 Cum	
	25.7261 Cum
Capacity Cum*1000	Capacity Cum*1000
= 25790	= 25726.1

Hence rainfall on catchment area can fillup the tanka by water

Production

Total capacity of tanka	25726.1 Ltr
Use of water for drinking purpose 40%	10290.4 Ltr
Available water for plantation 60%	15435.7 Ltr
One watering require	15 Ltr
No. of watering per Year	20 No
Total Ltr require per plant per year	300 Ltr

No of plant can survive = Available water for Plantation/ water require per plant per year

= 51.45

say 50 plant

Model estimate of Horticulture Plantation in Arable land

Area- **0.17** **Ha**

No. of Plants - **50**

S. No	Description	Item No.	Total		Length	Width	Height	Qty	Unit	Rate	Amount	Amount for 50 Plants
			Year	No./Year								
1	Earth work Excavation in hard soil dry or moist and disposal of excavated meterial within initial lift of 1.5 mt height and lead of 50 metre.Digging of pit	2(B)		1	0.6	0.6	0.6	0.22	cum.	82	17.71	885.60
2	Apply of manure											
	(A) Compost Khad							5.00	kg.	0.4	2.00	100.00
	(B) S.S.P. (16%)							1.00	kg.	4	4.00	200.00
	(C) Endosulphan (4%)				100 gm			0.10	kg.	30	3.00	150.00
3	Plant cost	LS		1				1.00	No	20	20.00	1000.00
4	Planting of plant	113(B)						1.00	No.	3	3.00	150.00
5	Watering of plants (15 litre)	115	3	16				48.00	No.	1.8	86.40	4320.00
6	Making of Thawla atleast 50 cm radius	117(B)	2	1				2.00	No.	1.8	3.60	180.00
7	Weeding & hoeing of plants 45 cm radius and 15 cm deep	116	3	1				3.00	No.	1.2	3.60	180.00

S. No	Description	Item No.	Total		Length	Width	Height	Qty	Unit	Rate	Amount	Amount for 50 Plants
			Year	No./Year								
8	Spray											
	(A) Endosulphan (35 ec)		3	0.01	Ltr			0.03	Ltr.	262	7.86	393.00
	(B) Sulpher		3	0.02	Kg			0.06		200	12.00	600.00
9	Transportation of Plant from Jodhpur 70 km including loading and unloading	LS						1.00	no	5	5.00	250.00
10	Protection of plants from frost / loo using grass or other locally available material by making jhonpa of 0.6 m dia. Of plant height and covering the plant.	Forest bsr	1	1				1.00	no	5	5.00	250.00
	TOTAL										**163.17**	**8658.60**
										Add 3% contingency		**259.758**
										Total		**8918.36**
											say	**8900.0**

DETAILS OF WORK AND ABSTRACT OF COST OF TANKA

क.सं.	कार्य का विवरण		सं.	विशेष विवरण			मात्रा		ईकाई	दर		राशि	
				ल.	चौ.	ऊं/ग.	फीट	कुल मी.		श्रम	कुल	श्रम	कुल
1	नींव, खाई तथा नाला आदि के लिए 1.5 मी. गहराई तक मिट्टी की खुदाई करना, तल को कुटना, पानी डालना बगल को संवारना, खुदी मिट्टी को बाहर निकालना नीवं भरने के बाद खाली स्थानों को पुनः मिट्टी से भरना तथा बची हुई मिट्टी को 50 मीटर की दूरी तक निस्तारण करना						0						
							0						
							0						
							0						
							0						
							0						
							0						
	¼v½	lk/kkj.k@eqyk;e feêh esa	1	132.707	1	3	398.122	11.27	cum.	71.00	71.00	800.17	800.17
	¼c½	l[r] fpduh] dadj feêh esa	1	132.707	1	3	398.122	11.27	cum.	82.00	82.00	924.14	924.14
	¼l½	fo?kfVr pêku	1	132.707	1	2	265.415	7.51	cum.	130.00	130.00	976.3	976.30
	¼n½	lk/kkj.k pêku	1	132.707	1	2.5	331.768	9.39	cum.	173.00	173.00	1624.47	1624.47
		lk/kkj.k@eqyk;e feêh esa	1	116.217	1.5	1.5	261.488	7.4	cum.	71.00	71.00	525.4	525.4
	1.5 मीटर अतिरिक्त उठान (Lift)												
		First lift	1	132.707	0.0929	1.5		18.4928	cum.	11.00	11.00	203.4203	203.4203
		Second lift	1	132.707	0.0929	0.2		2.4657	cum.	22.00	22.00	54.24542	54.24542
2	सीमेन्ट कांक्रीट नींव या फर्श में 40 मि. मी. नामीय माप की पत्थर गिट्टी/ईट गिट्टी, सीमेन्ट – रेत मसाला में 1 सीमेन्ट : 5 रेत : 10 गिट्टी अनुपात में मिलाकर डालना तथा कुटाई करना, तराई समेत।		1	132.707	1	0.5	66.3536						lh
							0						
							0						

						0						
						66.3536	1.87	cum.	260.00	1719.00	486.2	3214.53
3	नींव मे 40 मि.मी. नामीय माप के साथ 40 प्रतिशत गारे मिट्टी को मिलाकर डालना और कूटना।											
		1	870.57	1	0.5	435.286						
		1	116.217	1.5	0.5	87.1628						
	पत्थर की गिट्टी के साथ					522.449	14.79	?ku eh-	242.35	915.00	3584.357	13532.85
4	नींव तथा कुर्सी मे पत्थर की वे रद्धा–ढ़ोका सीमेंट–बजरी 1 : 6 मसाले मे, मय बगल की झिरी बन्द करना तथा तराई आदि।	1	36.9068	1.25	12	553.601						lh
						0						
						553.601	15.67	cum.	473.00	1790.00	7411.91	28049.30
5	नींव तथा कुर्सी में पत्थर की वे रद्धा–ढोका चिनाई, गारा मसाले में।	1	116.22	1.5	1	174.326						
		1	116.22	1.25	2	290.543						
						464.868	13.16	cum.	473.00	1315.00	6224.68	17305.40
6	पत्थर के सिरदल (लिटंल) की आपूर्ति कर, चिनाई मे उपयोग की गई मसाले मे उसे लगाना।											lh
	पाट	2	10	1	1	20						
	योग					20	1.85	sqm.	178.00	1112.00	329.3	2057.20
7	अप्रुव्ड खान की पटटी की छत छत के दोनो के तरफ सिमेण्ट 1:4 से भरना	1	132.707	1	1	132.707						lh
						0						
	कटोतियां	-1	1.5	1.5	1	-2.25						
						130.457	12.11	sqm.	181.00	975.00	2191.91	11807.25
8	सीमेण्ट कंकरीट 1:2:4 की छत का कार्य 20 मिमी गिटटी	1	132.707	1	1	132.707						lh
		-1	1.5	1.5	1	-2.25						

						130.457	12.11	sqm.	91.00	226.00	1102.01	2736.86
9	सीमेण्ट कंकरीट 1:2:4 की फर्श का कार्य 20 मिमी गिटटी	1	86.5463	1	1	86.5463						Ih
		1	116.217	1.25	1	145.271						
						231.818	21.53	sqm.	91.00	226.00	1959.23	4865.78
10	सीमेंट प्लास्टर दीवार पर 1:6 अनुपात मे सीमेंट–बजरी मिलाकर कर जोडों को कुरेदने तथा तराई सहित 25 मि.मी. में।	1	32.9805	1	11.75	387.521						Ih
						387.521	36	sqm.	77.65	138.00	2795.4	4968.00
11	पत्थर की चुनाई पर सीमेण्ट मसाला 1:3 से टीपो का कार्य	1	40.833	1	2.5	102.083						Ih
		1	120.105	1	2	240.21						
		1	112.255	1	1	112.255						
						454.548	42.22	sqm.	45.80	57.00	1933.676	2406.54
12	22 गेज की सादा एम. एस. चद्दर के 1 मी. ग 2 मी. दो पल्ले वाले दरवाजे, जिसमें लोहे की 40x40x3 मि.मी. के कोनिया लोहे की चौरवट तथा पल्लो में 25x25x3 मि.मी. के कोनिया लोहे((Angle Iron) के किनारे दिए गए नक्शे के अनुसार मय अर्गल चिटकनी तथा पकड़ पट्टियों क	1	1.5	1.5	1	2.25						
						2.25	0.2	sqm.	0.00	LS	100	600.00
13	अन्य आवश्यकता अनुसार कार्य Silt Trap, Jali, Hand Pump etc					0						
						0						
						0					200	3000
											33426.82	99651.86
												99652.00

	Quantity	Rate	Amount
Skilled labour	45.11	400	18044
Unskilled labour	107.96	135	14575
Water			808
			33427

राशि		
श्रम	A	33426.82
सामग्री	B	66225.04
कुल	C	99651.86
Add for contingency		350
कुल योग (C+D)		100001.9

100000

क्र.सं.	कुल सामग्री आवश्यकता	ईकाई	मात्रा	दर	राशि
1	रेत/बजरी	घ.मी.	9.12	400	3649.24
2	गिट्टी पत्थर की 40 मि.मी. नामीय माप की	घ.मी.	16.47	600	9883.8
3	गिट्टी पत्थर की 20 मि.मी. नामीय माप की	घ.मी.	1.57	750	1180.76
4	पत्थर	घ.मी.	31.71	700	22199.1
5	सीमेन्ट	कि.ग्रा.	2352.0	280	13171.1
6	पत्थर के सिरदल 15 से.मी. मोटाई तक	व.मी.	1.85	900	1665
7	पत्थर की पट्टियां	व.मी.	13.32	560	7459.76
8	फेक्ट्री में बने दरवाजे	व.मी.	0.200	2000.00	400
9	xkjk&feêh	घ.मी.	10.522	150.00	1578.3
					61187
	अन्य Silt Trap, Jali, Hand Pump etc				5038
			कुल योग		66225

47.04

Model estimate of Plantation Work in Pasture land

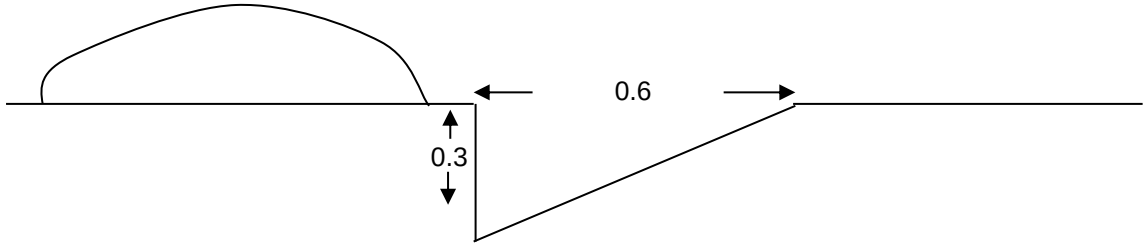
Plant to pant Spacing	4 m	**No of plant**	**4166.67**
Row to row Spacing	6 m	**Gap filling 20%**	**833.3333**
Available Area	**10** Ha	**Total no of Plants**	**5000**

S.No	Description	Item no	Total		Length	Width	Height	Qty	Unit	Rate	Amount	(Amount for 10 ha.)
			Year	No./Year								
1	Digging of pit(kankar boulder soil)	112 ('C)		1	0.45	0.45	0.45	1	No	13.4	13.40	67000
2	Cost of Plant	As per forest						1	No.	5	5.00	25000
3	Planting of plant	113(A)						1	No.	3.6	3.60	18000
4	Making thavla	117(A)	2	1				1	No.	2.4	4.80	24000
5	Weeding & Hoeing	116	3	1				3	No.	1.2	3.60	18000
6	Insecticide treatment	Market rate	3		0.03 ml			0.009	Ltr	300	2.70	13500
7	Watering of plants	115	3	5				15	no	1.8	27.00	135000
8	Transportation of water 5 Km	108	3	5				225	/1000Ltr	32.73	7.36	36821.25
9	Watch & ward	Minimum wages	3	12				34	Month	3240	22	110160
10	Transportation of plants from nursery to planting site	LS	1	1				1		1	1.00	5000
11	Pruning of plants	forest bsr	1	1				1.00	/ plants	1.2	1.20	6000
12	Protection of plants from frost / loo using grass or other locally available material by making jhonpa of 0.6 m dia. Of plant height and covering the plant.		1	1				1.00	/ plants	4.81	4.81	24050
	TOTAL											**482531**
									Contingency 3%			14476
									Grand total			**497007**
											Say	**497000.0**

Estimate of V.Ditch in Pasture Development

Area	Length	Width	Interval	No of row	Length
Ha	mtr	mtr	mtr		mtr
10	1000	100	6	167	16667

Dhaman require on V-ditch =0.002 kg/m	33	Kg
Spacing	5	mtr
Dhaman require between v-ditches =10 kg/ha	100	Kg

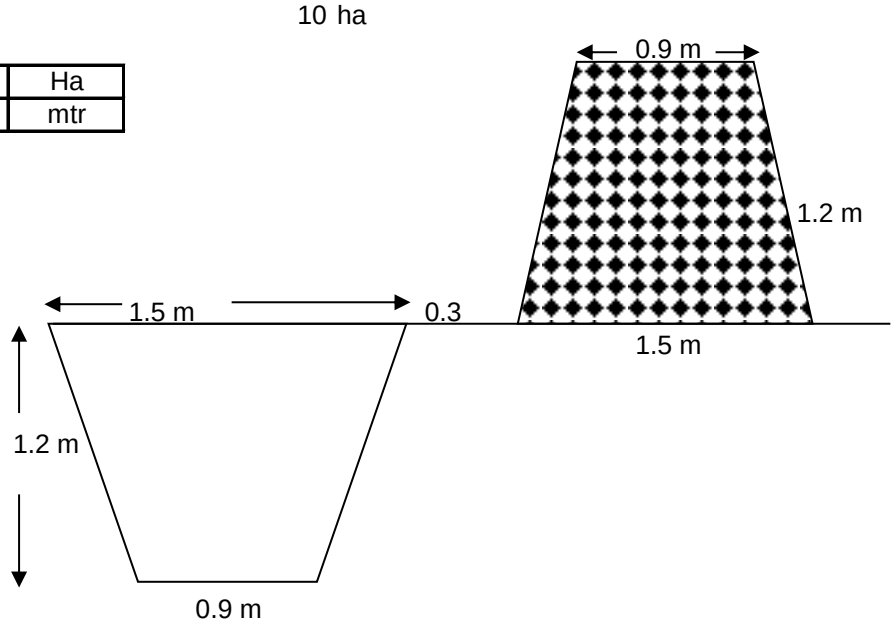


S. no.	Name of work	Item no.	No	Length	Width	Hight	Qty	Unit	Rate	Amount
1	Jungal clearance	107	1	500	50	1	25000	Sqm	1.4	35000
2	Excavation in hard soil or earth mixed with bajri and kankar or boulder dry or moist & disposal of excavated material within initial lead of 30 m and lift of 1.5 m including dressing etc. complete.	2(B)	0.5	16667	0.60	0.3	1500.00	Cum	82	123000.0
			Kg							
3	Making of balls of grass seed(1:1:2:2) 1 grass seed :1 FYM : 2 sand : 2 clay	3/1/9 forest	133				133.00	Per 6 kg material	24.04	532.9

4	Sowing of balls of grass seed by dibbling method at 30 cm spacing	3/2/9 forest	133				133	Per 6 kg material	122.79	2721.8
5	Cost of seed		CAZARI Jodhpur				133	Kg	200	26600
										187854.7
								Add 3% contingency		5635.6
								Total		193490.4
								Say		**193500.0**

Estimate of Ditch Cum Bund Fencing

Area	10	Ha
Length	1580	mtr

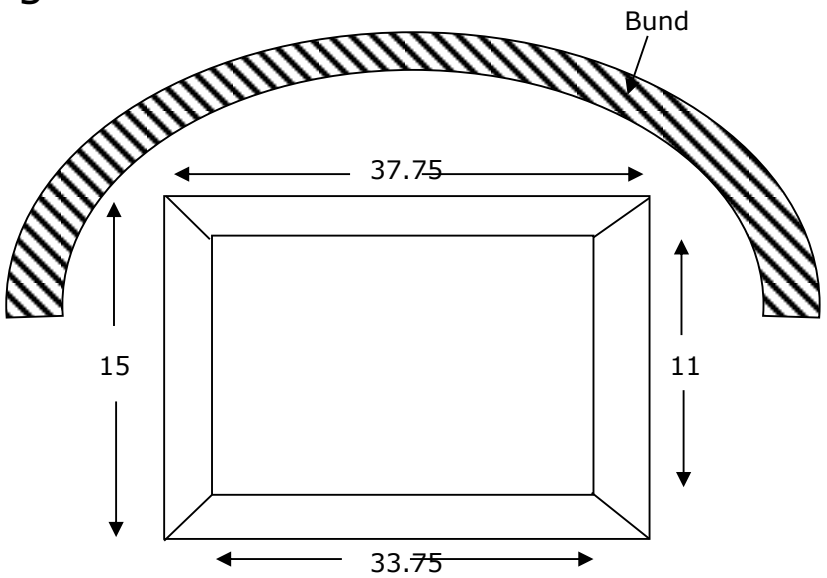


S. no.	Name of work	Item no.	No	Length	Width	Hight	Qty	Unit	Rate	Amount
1	Layout for DCB		2	1580	1	1	3160.00	Cu.m.	0.47	1485.20
2	Excavation of earth in dry or moist and disposal of excavated material within initial lead of 50 m and lift 1.5 m									
2.1	In hard soil 50%	2(2)	1	790	1.2	1.2	1137.60	Cu.m.	82.00	93283.20
2.2	In Disintegrated rock 50%	2(3)	1	790	1.2	1.2	1137.60	Cu.m.	130.00	147888.00
3	Sowing of seed on ridge	130	1	790	1	1	790.00	Rm	0.60	474.00
	Cost of seeds	LS					5.00	Kg	160.00	800.00
										243930.40
								Add 3% contingency		7317.9
								Total		252048.3
								Say		**252000.0**

Estimate of Dug out Pond

Outer Length	37.75	mtr
Inner Length	33.75	mtr
Outer Width	15	mtr
Inner Width	11	mtr
Depth	1	mtr

Upper Area	566.3
Lower Area	371.3



S. no.	Name of work	Item no.	No	Upper Area	Lower Area	Depth	Qty	Unit	Rate	Amount
1	Layout for Pond		2	97.5	1	1	195.00	Cu.m.	0.47	91.65
2	Excavation of earth in dry or moist and disposal of excavated material within initial lead of 50 m and lift 1.5 m									
2.1	In hard soil	2(c)	1	566.25	371.25	1	468.75	Cu.m.	82.00	38437.50
3	Stone Pitching 15-23 cm thick including supply of stones	140	1	52	1	0.2	10.40	Cu.m.	1045.00	10868.00
										49397.15
								Add 3% contingency		1481.9
								Total		50879.1
								Say		**50000.0**

10 No. @ 50000/No.=500000

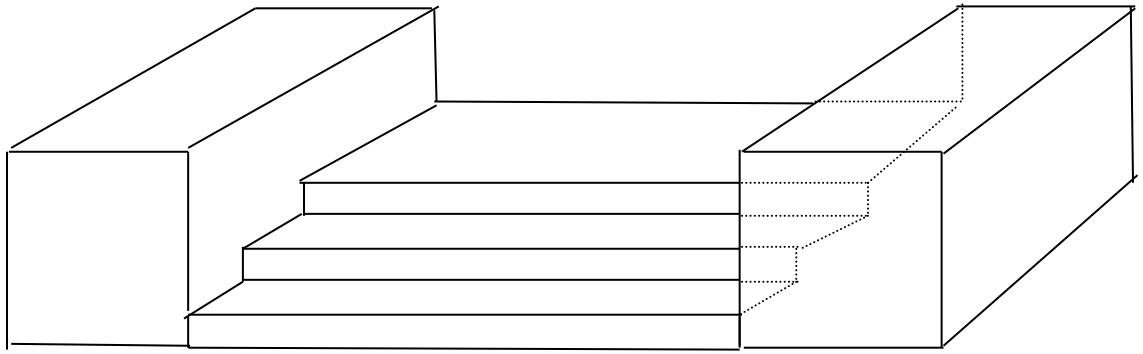
MODAL ESTIMATE

नाम जल ग्रहण क्षेत्र– जालोर **VI (I.W.M.P)** कार्य का नाम – कम्पोस्ट पिट यूनिट

क्र.सं.	विवरण	मात्रा	इकाई	दर		राि ा	
				श्रम	कुल	श्रम	कुल
1	नीव, खाई परनाला में 1.5 गहराई तक मिटट्ी का खुदाई करना, तल को कूटना, पानी डालना,बगल को संवारना,खुदी मिट्टीको बाहर निकालना, नीवं भरने के बाद खाली स्थानों को पुनः मिट्टी से भरना तथा बची हुई मिट्टी को 50 मीटर दूरी तक निस्तारण करना। सख्त,चिकनी, कंकर, मिट्टी में। (जि.स्त.दर.अनु.2010पृ.सं0 5 क.सं. 2ब) 2X3.00X2.00X0.90=10.80 घ.मी	14.40	घ.मी	82.00	82.00	1180.80	1180.80
2	सिंगल सुपर फास्फेट	150.00	कि.ग्रा.	-	3.60	-	540.00
3	यूरिया	25.00	कि.ग्रा.		5.00	-	125.00
4	कल्चर पैकिंट	3.00	संख्या	-	10.00	-	30.00
	योग					**1180.80**	**1875.80**
	जोडा 3% कन्टोजेन्सी						**56.27**
	योग						**1932.07**
	लागत श्रम भाग						**1180.80**
	लागत सामग्री भाग						**751.27**
	कुल योग						**1932.07**
						Say	**2000.00**

2000/ पिट

DESIGN OF LOOSE STONE CHECK DAM (LSCD)

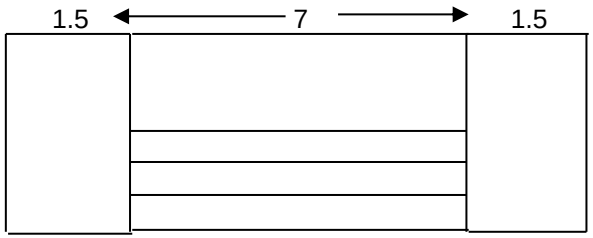


Length of Head wall	No of Lscd	Per Unit Cost	Total Cost
7	95	21100	2004500
6	140	19500	2730000
5	150	17900	2685000
4	150	16300	2445000
3	150	14700	2205000
	685		12069500

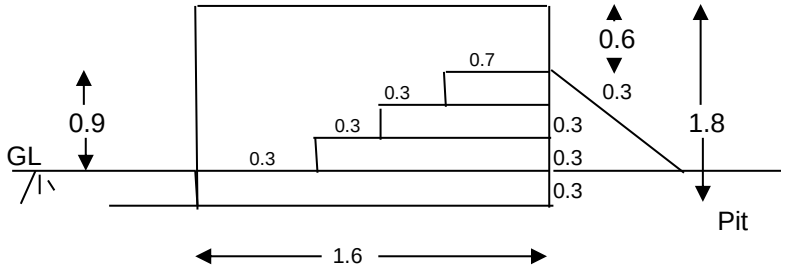
ESTIMATE OF LOOSE STONE CHECK DAM (LSCD)

Head Wall Length = 7 m

Plan



Elevation

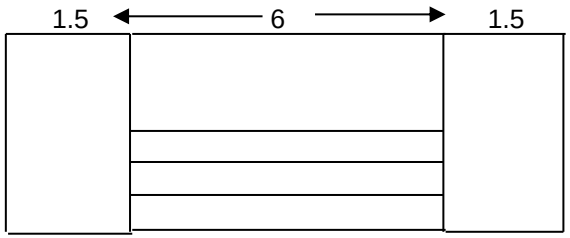


S. no.	Name of work	Item no.	No	Length	Width	Height	Qty	rate	amount
1	Earth work Excavation in hard soil up to 1.5 mt Height and deposited excavated material lead op to 150	2B	1	7.0	1.6	0.3	3.4	82.0	275.5
		2B	2	1.5	1.6	0.3	1.4	82.0	118.1
2	Dry stone masonry	21B	1	7.0	1.6	0.3	3.4		
			1	7.0	1.3	0.3	2.7		
			1	7.0	1.0	0.3	2.1		
			1	7.0	0.7	0.3	1.5		
			1	1.5	1.6	1.8	4.3		
			1	1.5	1.6	1.8	4.3		
							18.3	1096.0	20056.8
									20450.4
						Add 3% Contingency			**613.5**
						Total			**21063.9**
						Say			**21100.0**

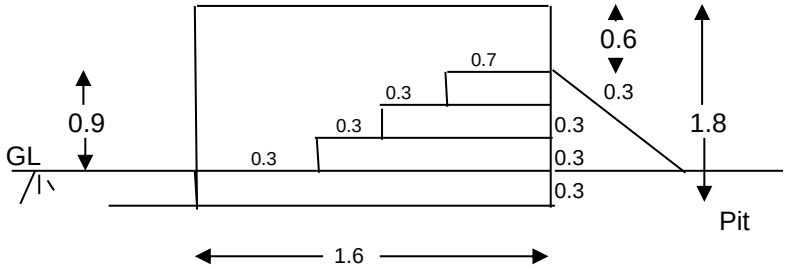
ESTIMATE OF LOOSE STONE CHECK DAM (LSCD)

Head Wall Length 6 m

Plan



Elevation

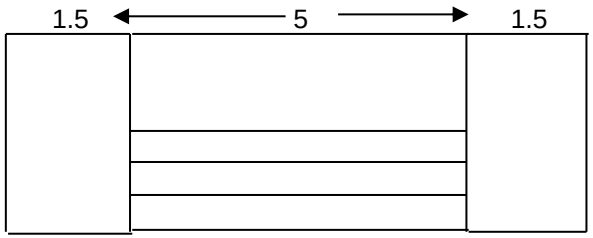


S. no.	Name of work	Item no.	No	Length	Width	Height	Qty	rate	amount
1	Earth work Excavation in hard soil up to 1.5 mt Height and deposited excavated material lead op to 150	2B	1	6.0	1.6	0.3	2.9	82.0	236.2
		2B	2	1.5	1.6	0.3	1.4	82.0	118.1
2	Dry stone masonry	21B	1	6.0	1.6	0.3	2.9		
			1	6.0	1.3	0.3	2.3		
			1	6.0	1.0	0.3	1.8		
			1	6.0	0.7	0.3	1.3		
			1	1.5	1.6	1.8	4.3		
			1	1.5	1.6	1.8	4.3		
							16.9	1096.0	18544.3
									18898.6
						Add 3% Contingency			567.0
								Total	**19465.5**
								Say	**19500.0**

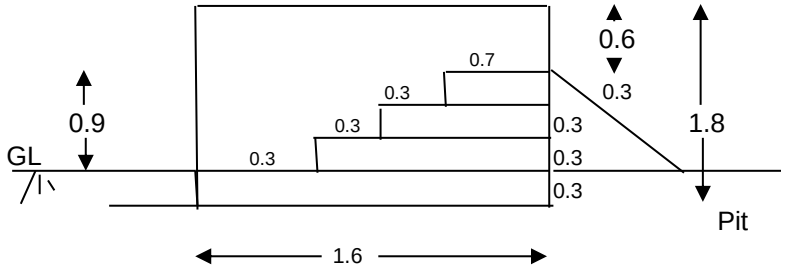
ESTIMATE OF LOOSE STONE CHECK DAM (LSCD)

Head Wall Length = 5 m

Plan



Elevation

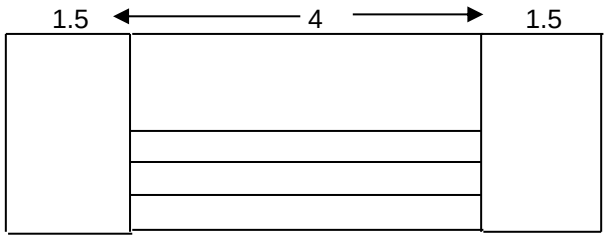


S. no.	Name of work	Item no.	No	Length	Width	Height	Qty	rate	amount
1	Earth work Excavation in hard soil up to 1.5 mt Height and deposited excavated material lead op to 150	2B	1	5.0	1.6	0.3	2.4	82.0	196.8
		2B	2	1.5	1.6	0.3	1.4	82.0	118.1
2	Dry stone masonry	21B	1	5.0	1.6	0.3	2.4		
			1	5.0	1.3	0.3	2.0		
			1	5.0	1.0	0.3	1.5		
			1	5.0	0.7	0.3	1.1		
			1	1.5	1.6	1.8	4.3		
			1	1.5	1.6	1.8	4.3		
							15.5	1096.0	17031.8
									17346.7
						Add 3% Contingency			520.4
						Total			**17867.1**
						Say			**17900.0**

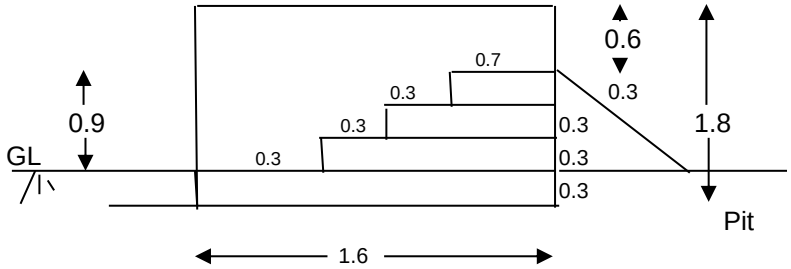
ESTIMATE OF LOOSE STONE CHECK DAM (LSCD)

Head Wall Length = 4 m

Plan



Elevation

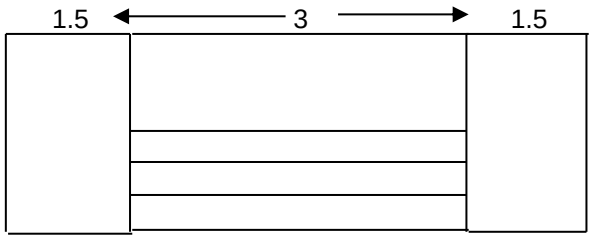


S. no.	Name of work	Item no.	No	Length	Width	Height	Qty	rate	amount
1	Earth work Excavation in hard soil up to 1.5 mt Height and deposited excavated material lead op to 150	2B	1	4.0	1.6	0.3	1.9	82.0	157.4
		2B	2	1.5	1.6	0.3	1.4	82.0	118.1
2	Dry stone masonry	21B	1	4.0	1.6	0.3	1.9		
			1	4.0	1.3	0.3	1.6		
			1	4.0	1.0	0.3	1.2		
			1	4.0	0.7	0.3	0.8		
			1	1.5	1.6	1.8	4.3		
			1	1.5	1.6	1.8	4.3		
							14.2	1096.0	15519.4
									15794.9
						Add 3% Contingency			473.8
						Total			**16268.7**
						Say			**16300.0**

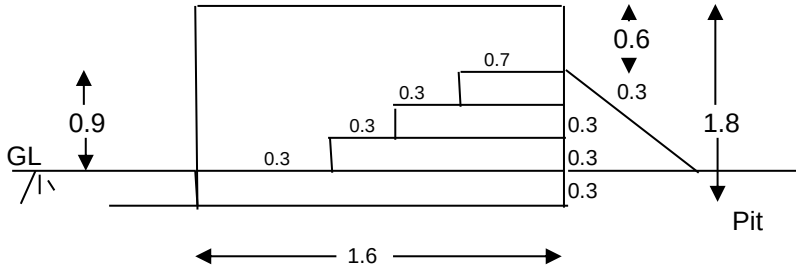
ESTIMATE OF LOOSE STONE CHECK DAM (LSCD)

Head Wall Length = 3 m

Plan



Elevation



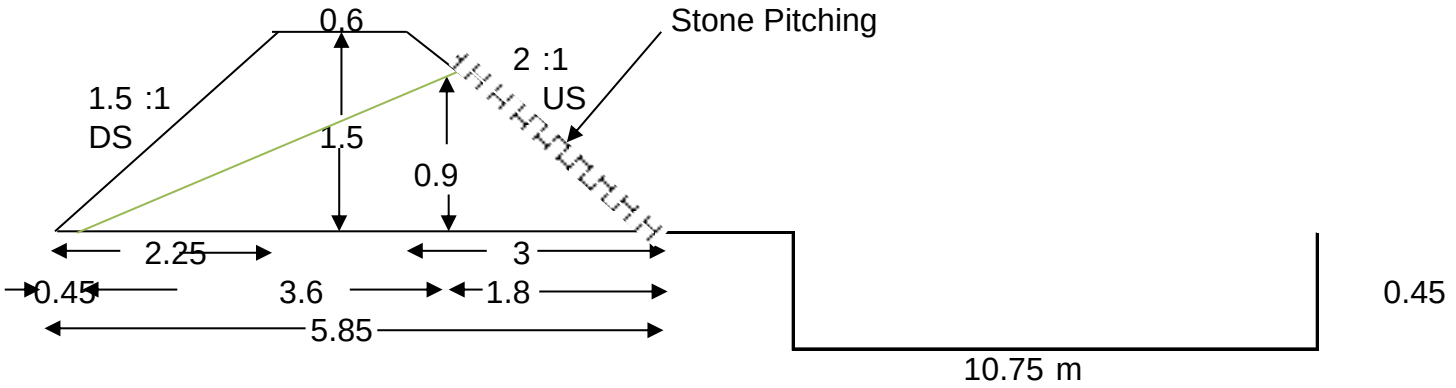
S. no.	Name of work	Item no.	No	Length	Width	Height	Qty	rate	amount
1	Earth work Excavation in hard soil up to 1.5 mt Height and deposited excavated material lead op to 150	2c	1	3.0	1.6	0.3	1.4	82.0	118.1
		2c	2	1.5	1.6	0.3	1.4	82.0	118.1
2	Dry stone masonry	21c	1	3.0	1.6	0.3	1.4		
			1	3.0	1.3	0.3	1.2		
			1	3.0	1.0	0.3	0.9		
			1	3.0	0.7	0.3	0.6		
			1	1.5	1.6	1.8	4.3		
			1	1.5	1.6	1.8	4.3		
							12.8	1096.0	14006.9
									14243.0
						Add 3% Contingency			427.3
						Total			**14670.3**
						Say			**14700.0**

MODEL ESTIMATE OF NALLAH BUNDING

S. no.	Name of work	Item no.	No	X Sec	Length	Depth	Qty	Unit	Rate	Amount
1	Excavation of earth in hard soil dry or moist and disposal of excavated material within initial lead of 50 m and lift 1.5 m, laying in layers of 15 cm dressing and compaction etc. complete									
1.1	In Hard soil	119(b)	1	4.84	18	1	87.08	Cu.m.	84.80	7383.96
2	Stone Pitching 15-23 cm thick including supply of stones	124	1	1	18	0.2	3.60	Cu.m.	1045.00	3762.00
										11145.96
							Add 3% contingency			334.4
								Total		11480.3
								Say		**11000.0**

CROSS-SECTION OF NALLAH BUNDING

Top width Based on seepage line check
Slope of seepage line 4:1



$$CS = \frac{(Tw+Bw)}{2} * Ht$$

CS = 4.8375 Sq.m.

Average Cross section 4.84 Sq.m.

MODEL ESTIMATE FOR A VERMI-COMPOST UNIT

S. No.	Particulars	Quantity	Unit	Rate (Rs)	Amount (Rs)
1	Wooden Ballies (3 m long)	20	No.	70	1400
2	Wooden Ballies (4 m long)	25	No.	80	2000
3	Shade mats for covering the roof	125	Sq. m.	40	5000
4	Binding wire for tying wooden ballies and mats	20	Kg	45	900
5	Labour charges for erection of shades	15	No.	135	2025
6	Shovels, spades, crowbars, iron baskets	LS			2000
7	Weighing scale (100 Kg capacity)	1	No.	2500	2500
8	Cow dung	10	Ton	1100	11000
9	Worms @ 3 kg per ton	30	Kg	100	3000
10	Formation of vermi-bed with agro-waste, cow-	20	bed	500	10000
11	Miscellaneous				175
	Total Cost				40000

CHAPTER – VI EXPECTED OUT COMES

1	2		3	4	5	6
S. No.	**Item**		**Unit of measurement**	**Pre-project Status**	**Expected Post-project Status**	**Remarks**
1	Status of water table (Depth to Ground water level)		Meters	110-115	108-113	
2	Ground water structures repaired/ rejuvenated		No.	-	-	
3	Quality of drinking water		Description	salty	Clean water	
4	Availability of drinking water		Description	6 month	12 month	
5	Change in irrigated Area		3 Ha	337 Ha	650 Ha	
6	Change in cropping/ land use pattern		Description	-	-	
7	Area under agricultural crop		Ha	-		
	I	Area under single crop	Ha	2870 Ha	3751 Ha	
	Ii	Area under double crop	Ha	337 Ha	650 Ha	
	Iii	Area under multiple crop	Ha	70 Ha	105 Ha	
8	Change in cultivated Area		Ha	2870 Ha	3751 Ha	
9.yield of major crops of area	Yield of Bajra		q/ha	8	12	
	Yield of Wheat		q/ha	22	26	
	Yield of Gram		q/ha	4	6	
	Yield of Mustard		q/ha	12.5	15	
10 production of major crops of area	Production of Bajra		ton	1840	2250	
	Production of Wheat		ton	110	130	
	Production of Gram		ton	2	3	
	Production of Mustard		ton	500	600	
11	Area under vegetation		Ha	3 Ha	18 Ha	
12	Area under horticulture		Ha	3 Ha	15 Ha	
13	Area under fuel		Ha	25	159	
14	Area under Fodder		Ha	51	161	
15	Fodder production		Q	372830	475000	
16	Milk production		Litres/day	1630	3000	
17	SHGs Active		No.	10	30	
18	No. of livelihoods		No.	30969	40000	
19	Income		Rs. in la	0.16	0.20	
20	Migration		No.	961	170-190	
21	SHG Federations formed		No.	-	1	

Critical Assumption

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

Means of Verification of **indicators**

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

CHAPTER - VIII Enclosures -

h. Location –District, block, village, watershed location map

i. Map of Jalore IV IWMP Project (Watershed Boundary demarcation in cadastral & Topo Sheet)

j. PRA Map (along with photos & paper drawing)

k. Treatment map (Indicate proposed works)

l. Cadastral Map on watershed boundary

m. Information on Soils, Soil fertility, Land capability, Soil chemical problems like salinity, alkalinity

n. Land Use Land Cover map

o. Information on existing water harvesting structures & well inventory along with GPS co-ordinates.

p. High resolution, latest Remote Sensing Satellite data

Documents of Agreements:

Proceedings of gram sabha for EPA approval

Proceedings of gram sabha Resolution for committee constitution

Proceedings of gram sabha for DPR approval

DPR approval by district

Watershed Committee Registration certificate

MoU – PIA – DWMA, PIA – WC(in case of NGO as PIA)