

Government of Rajasthan

Department of Watershed Development & Soil
Conservation

Watershed Cell Cum Data Centre ,
Zila Parishad, Baran

Detailed Project Report



IWMP V (2010-11) DIWALI

Block: Atru District :- Baran

Project Area :- 6485 ha.

Project Cost :- Rs. 778.20 Lacs

Yogendra Verma

Assistant Engineer

Panchayat Samiti, Baran

S. K. Verma

Executive Engineer (L.R.)

cum Project Manager,WCDC, Baran

CHAPTER - 1

IWMP-V

CHAPTER – I**INTRODUCTION****Location:**

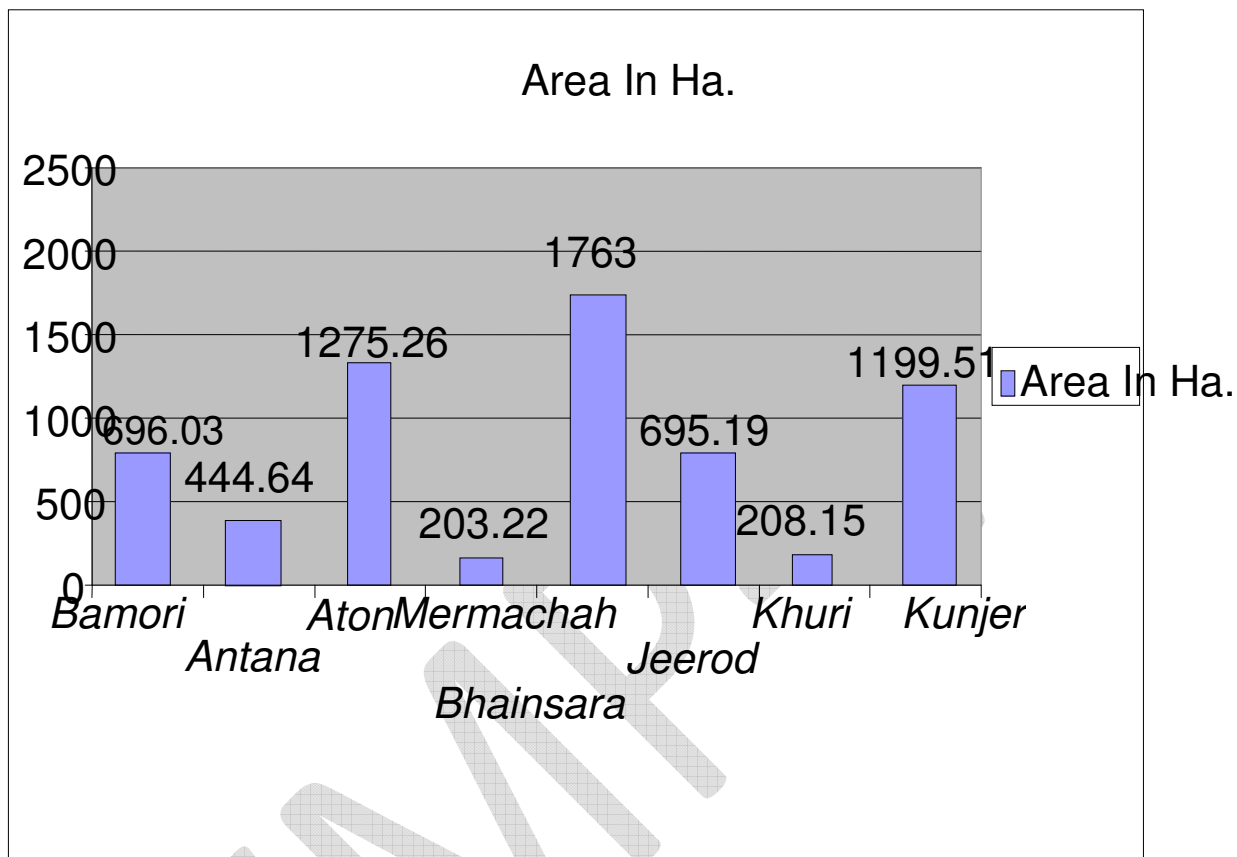
Project IWMP V (2010-11) is located in block Atru district Baran. The project area is in the North of Baran and Area 30 km. from district head quarter and 370 km. from Jaipur. Area between Latitude 24° 49' 24" 56" Longitude 76° 29'- 76° 37'E. The Area Covers 8 gram panchayat and 18 Villages (list enclosed)

There is 18 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)	Baran (IWMP) -V
(a)	Name of Catchment	Diwali
(b)	Name of watershed area(local name)	Atru -V
©	Project Area	6485 ha.
(d)	Net treatable Area	6485 ha.
e)	Cost of Project	778.20 Lacs
f)	Cost/hectare	12000/ha.
g)	Year of Sanction	20010-11
h)	Watershed Code	091807,091808,091809-7/2,8/1,2,5,7,8 & 9/1,2,3,9,10,11,12.
i)	No. of Gram Panchayat in project area	8
j)	No. of villages in project area	18
k)	Type of Project	Other
l)	Elevation (metres)	271 M
m)	Major streams	Parvan River
n)	Slope range (%)	0 to 10 %

Macro/micro	Name of Gram Panchayat	Name of Villages Covered	Census code of villages	Area (ha)	
7/2,8/1,2,5,7,8 & 9/1,2,3,9,10,11,12	Bamori	Bamori	03887200	496.55	
		Dadwara	03887300	133.31	
		Kherli Nahriya	03887400	66.17	
	Antana	Antana	03887500	444.64	
	Aton	Aton	03885300	1246.22	
		Kherli dabka	03885500	29.04	
	Merma Chah	Kachri	03885200	5.50	
		Kachara	03885100	48.31	
		Gandoliya	03885000	149.41	
	Bhainsara	Bhainsara	03885400	618.05	
		Kherli Mazer	03883600	179.53	
		Mayatha	03883500	388.09	
		Merma Talab	03883900	577.33	
	Kunjer	Kunjer	03883400	1199.51	
	khuri	Khuri	03882700	28.16	
		Diwali	03883700	179.99	
	Jeerod	Jeerod	03882900	471.12	
		Bokara	03882800	224.07	
	Total				6485 ha.



Dig:-1 Gram Panchayat Wise Area COVERED

The Geological formations in the watershed area are represented by plain slope areas soil clay loam. There are many dug wells in the watershed area which are dry & water is generally good for drinking purpose. Most of the precipitation falls in the month of July, August & September with very little in winter season. The intensity of rain fall is occasionally very high which causes erosion hazards. The watershed area is characterized as semi & arid climatic zone. The temperature rises from first week of May to first week of June while the lowest temperature reported during month of December. Average annual rainfall of area is 815.40 mm. & Maximum intensity of rainfall is 100 mm per day. The Maximum Temperature goes upto 48.00° C & minimum temperature 07.00° C.

The IWMP-V Watershed comprises a main nallah flowing with sub drains. It passes through Aton, Bamori, Bhainsara, Gram Panchayat & finally drained out into the Parwan River. The surface drainage of the area well establishes. The soil are fine textured with slow to moderately internal drainage resulting in slow infiltration heavy run off during Mansoon and consequent erosion hazard.

The watershed falls in Agro climatic Zone V. The soil texture is Clay-Loam. The average rainfall is 815.40 mm. The temperatures in the area are in the range between 48^o C during summer and 07^o C during winter. The major crops in the area are Maize, Soybean, Wheat, Mustard, Coriander; Gram 72 % land is under cultivation 7 % land fallow, 6.82 % land is wasteland. about 20% land is irrigated through Wells & Tube wells .

318 No of households are BPL (9.89 % of total households) 9222 are landless household (37.62 % of total households) and 1890 household are small and marginal farmers (58.78 % of total household) .Average land holding in the area is below 2 ha. 73% area is single cropped area and 27% is double cropped. The main source of irrigation is Wells & Tube wells. The average annual rainfall (10 years) in the area is 815.40 mm. The Major streams in the Watershed are Parwan River. The major festivals in the village are Holi, Rakha BandhanJanmastami, Dashera & Deepawali , main Religeus Fair of Folk God Bheru ji Place is Myt.ha (Bhainsara) present these all villages is having 19366 populations with Communities like SC, ST, General and these Backward Class.

Climatic and Hydrological Information:-

1	Average Annual Rainfall (mm)		815.40 mm	
	Year		Average Annual Rainfall(mm)	
1	2001-2002		288.00	
2	2002-2003		768.00	
3	2003-2004		881.00	
4	2004-2005		629.00	
5	2005-2006		749.00	
6	2006-2007		960.00	
7	2007-2008		850.00	
8	2008-2009		689.00	
9	2009-2010		712.00	
10	2010-2011		1628.00	
2	Average Monthly rainfall (last ten years)			
	Month		Rainfall(mm)	
i)	June		173.62	
ii)	July		205.34	
iii)	August		226.90	
iv)	September		105.24	
3	Maximum rainfall intensity (mm)			
	Duration		rainfall intensity(mm)	
	i) 15 minute duration		74.00	
	ii) 30 minute duration		88.00	
	iii) 60 minute duration		99.00	
4	Temperature (⁰ C)			
	Season		Max	Min
	i) Summer Season		48	31
	ii) Winter Season		31	07
	iii) Rainy Season		34	14
5	Potential Evaporation Transpiration (PET) (mm/day)			
	Season		PET	
	i) Summer		6.35	
	ii) Winter		1.24	
	iii) Rainy		5.28	
6	Runoff			
	i) Peak Rate (cum/hr)		400	
	ii) Total run off volume of rainy season (Cum.)		4484808	
	iii) Time of return of maximum flood	5 years	10 years	In-Year 2001-02 & 2006-07 (5 Years)
	iv) Periodicity of Drought in village area		10 Years	

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	Management of Village Secretariat	Gram panchayat Zilla Parishad	Sort-out the problem in our area under this scheme	More than 14 dept. & villagers	To take Benefit of all villagers under this scheme
2	Mother & Child Health Day	Health & I.C.D.S	Awareness about the vaccination time to time for good health	Girls (0 to 6 / 15 to 45 yrs.) / Pregnant Women	Vaccination every Thursday
3	Mid-day-Meal	Panchayati Raj Yojna	Awareness about the education	Children's (1 to 8) & 1402 schools	Mid-day-Meal under Provision
4	Pension Yojna	Samajik Kalyan Dept.	Old age Male & Female / Hand./ Widow / Help through Pension Yojna	Old age Male & Female / Hand./ Widow / Pensioner	Old age Fe male (upto 54 yrs)- Rs 500/- (54 to 70 yrs) Rs.1500/- Male Rs. 400/- &(54 to 75 yrs) Rs. 1500/- H.P. Rs.500/- Widow Rs.500/-
5	Pannadhya Jeevan Yojna	Panchayati Raj Yojna	Support in economic condition after death	Compensation to BPL Family	Support to dependent BPL family
6	Gopal Yojna	Animal Dept	Awareness about the animal policy	Natural/ Accidental policy	Help through the Gopal Yojna
7	Janani Suraksha Yojna	Hospital and Health Dept.	Support to pregnant lady through Janani Suraksha Yojna	Pregnancy of Rural & Urban womens	In Pregnancy - Rural – 5Kg Ghee / Rs. 1500 Urban women's 5Kg Ghee / Rs. 1400
8	MGNREGA	Central Govt.	To generate employment	100 days Employment	Provides 100 days guaranteed employee to every enrolled rural family
9	TSC	Zilla Parishad	Awareness about the health and sanitation	Toilet construction for BPL Family	Toilet construction for BPL Family
10	SGSY	Zilla Parishad	To generate employment in BPL families	Employment opportunity & Loan facility to 130 group of BPL Family	Bank Loans & Subsidies are provided to BPL selected family to improvement of resources as per their technical scheme & requirements
11	MP-MLA Vikas Yojana	State Govt. Policy	Village Development	100 Lacs. rupee for development work	Development work (costing not more than 10 lacs upto 2 crores
12	Indira Gandhi Awas Yojna	Zilla Parishad	Provide construction of house to BPL families	60% reservation in housing board for SC BPL & 40% for other BPL Family	Provide construction of house to BPL families having no Pakka house in rural areas
13	Swacha	Zilla Parishad	To provide Avas	Sahriyas	-

OTHER INFRASTRUCTURE FACILITY AVAILABLE

S. N	Parameters	Bamori	Dadawara	Kherli Naharya	Antana	Aton	Kherli Dabka	Kachri	kachra	Gandoliya	Bhainsara	Kherli Mazer
1	villages connected to the main road by an all-weather road	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
2	villages provided with electricity	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
3	households without access to drinking water	All	All	All	All	All	All	All	All	All	All	All
4.	Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	Primary Secondary	Primary,	Higher Secondary(HS)	Secondary	Higher Secondary(HS)	Primary	Primary	Middle	Primary,	Middle	Primary
5	villages with access to Primary Health centre	No	No	No	Yes	Yes	No	No	No	No	No	No
6	villages with access to Veterinary Dispensary	No	No	No	No	No	No	No	No	No	No	No
7	villages with access to Post Office	No	No	No	Yes	Yes	No	No	No	No	Yes	No
8	villages with access to Banks	No	No	No	No	No	No	No	No	No	No	No
9	villages with access to Markets / Mandi	No	No	No	No	Yes	No	No	No	No	No	No
S. N o.	Parameters	Bamori	Dadawara	Kherli Naharya	Antana	Aton	Kherli Dabka	Kachri	kachra	Gandoliya	Bhainsara	Kherli Mazer

10	villages with access to Agro-industries	No	No	Yes	No	No	No	No	No	No	No	No
11	Total quantity of surplus milk (Litter / Kg)	No	No	No	No	No	No	No	No	No	No	No
12	milk collection centres	No	No	Yes	No	No	No	No	No	No	No	No
	(e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O)	No	No	Yes	No	No	No	No	No	No	No	No
13	villages with access to Anganwadi Centre	1	1	3	2	3	1	1	2	1	1	1
14	Any other facilities with no. of villages (please specify)	-	-	-	-	Hostal	-	-	-	-	-	-
15	Nearest KVK	Anta	Anta	Anta	Anta	Anta	Anta	Anta	Anta	Anta	Anta	Anta
16	cooperative society	No	No	No	No	Yes	No	No	No	No	No	No
17	NGOs	No	No	No	No	No	No	No	No	No	No	No
18												
	(i) Bank	No	No	No	No	No	No	No	No	No	No	No
	(ii) Cooperative Society	No	No	No	No	No	No	No	No	No	No	No
19	Agro Service Centre's	No	No	No	No	No	No	No	No	No	No	No
	(ii) Cooperative Society	No	No	No	No	No	No	No	No	No	No	No
19	Agro Service Centre's	No	No	YES	No	yes	No	No	No	No	No	No

S. No.	Parameters	Mayatha	Merma Talab	Kunjer	Khuri	Diwali	Jeerod	Bokara
1	villages connected to the main road by an all-weather road	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2	villages provided with electricity	YES	YES	YES	YES	YES	YES	Yes
3	households without access to drinking water	All	All	All	All	All	All	All
4	No. of educational institutions :							
	Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	Middle	Secondary	Higher Secondary(HS)	Middle	Secondary	Primary	Primary
5	villages with access to Primary Health centre	No	No	Yes	No	No	No	No
6	villages with access to Veterinary Dispensary	No	No	Yes	No	No	No	No
7	villages with access to Post Office	No	No	Yes	No	No	No	No
8	villages with access to Banks	No	No	Yes	No	No	No	No
9	villages with access to Markets / Mandi	No	No	Yes	No	No	No	No

10	villages with access to Agro-industries	No	No	No	No	No	No	No
11	Total quantity of surplus milk (Litter / Kg)	No	No	No	No	No	No	No
12	milk collection centres	No	No	No	No	No	No	No
	(e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O)	No	No	No	No	No	No	No
13	villages with access to Anganwadi Centre	1	2	3	1	1	2	1
14	Any other facilities with no. of villages (please specify)	-	-	-	-	-	-	-
15	Nearest KVK	Anta	Anta	Anta	Anta	Anta	Anta	Anta
16	cooperative society	No	No	Yes	No	No	No	No
17	NGOs	No	No	No	No	No	No	No
18	Credit institutions							
	(i) Bank	No	No	Yes	No	No	No	No
	(ii) Cooperative Society	No	No	Yes	No	No	No	No
19	Agro Service Centre's	No	No	Yes	No	No	No	No
	(ii) Cooperative Society	No	No	Yes	No	No	No	No
19	Agro Service Centre's	No	No	Yes	No	No	No	No

IWMP-V

Institutional arrangements (SLNA, WCDC, PIA, WDT, WC, Secretary) SLNA Details:-

- Member secretary Post :- CEO
- Designation & Address :- Director of watershed development & Soil Conservation
- Telephone No. :- 0141 - 2227189
- Fax No. :- 0141 - 2227858
- E - Mail :- dir_wdsc @ dataone.in.
- **PIA Particulars**

S. No	Particulars	Details of PIA
1.	Name of PIA	Sh.V.K.Bhatia
2.	Designation	AEn watershed development & soil conservation Atru (Baran).
3.	Address with contact no., website	9460033825
4.	Telephone	07451-240223
5.	Fax	
6.	E-mail	

WCDC Details:-

S. No	Particulars	Details of WCDC
1.	PM ,WCDC	Shri S.K . Varma
2.	Address with contact no., website	9414185832
3.	Telephone	07453 - 2300057
4.	Fax	07453- 230100
5.	E-mail	Dwdu.baran@gmail.com.

WDT Particulars:-

S.No	Name of WDT member	M/F	Age	Qualification	Experience in watershed(Yrs)	Description of professional training	Role/ Function
1	Mr. Purushottam gochar	M	24	B.E. Electronics	-	Various Departmental and Watershed Training (1 Nos.)	Engineering activity
2	Mr.Prithviraj Suman	M	34	B.sc.(Agri.)	4	Various Departmental & Watershed Training (8 Nos.)	Agricultural base activity
3	Mrs. Anjum jahan	F	45	B.A (Sociology)	4	Watershed Training (5 Nos.)	Social Work in Watershed
4	Mr. Shyam sunder Suman	M	36	L.S.A. (2-year/Diploma)	4	Watershed Training (8 Nos.)	Live stock Activity

Details of Watershed Committees (WC):-**1.8.5.1 Watershed Committees (WS) Bhainsara Gram Panchayat: – Bhainsara**

Name of the District	Name of projects	Name of WCs	Date of Registration as a Society (dd/mm/yy)	Designation	Name	M/F	Category	E. Qualification
Baran	IWMP Atru V	Bhainsara	07/04/2011	Sarpanch	Sh Om prakash	M	ST	12 th
				Presidant	Sh. Om prakash	M	ST	12 th
				Secratary	Sh. Hemraj	M	OBC	12 th
				Member	Smt. Chandrakalan Bai	F	ST	Literate
				Member	Smt.Savtri Bai	F	OBC	-
				Member	Sh.Nand lal	M	ST	Literate
				Member	Sh.Gyan Chand	M	OBC	Primary
				Member	Sh.Kamlesh	M	SC	Middle
				Member	Smt.Dwarka Bai	F	SC	Literate
				Member	Sh.Babu lal	M	OBC	Primary
				Member	Sh.Raghunath	M	OBC	Primary
				Member	Sh.Roopchand	M	OBC	Primary
				Member	Sh.Devi Shanker	M	OBC	Middle
Member	Mr.V.k.Bhatia	M	Departmental	AEN				

1.8.5.2 Details of Watershed Committees (WS) jeerod : Gram Panchayat: – jeerod

Name of the Districts	Name of projects	Name of WCs	Date of Registration as a Society (dd/mm/yyyy)	Designation	Name	M/F	Category	E. Qualification
Baran	IWMP Atru V	jeerod	31/03/2011	Sarpanch	Sh . Banshi lal Nagar	M	OBC	12 th
				Presidant	Sh . Banshi lal Nagar	M	OBC	12 th
				Secratary	Sh.Chander Bhan	M	ST	B.A
				Member	Smt. Manju Bai	F	SC	Literate
				Member	Sh.Nabi Mohmad	M	OBC	Primary
				Member	Smt.Surja Bai	F	SC	Primary
				Member	Sh.Narndra	M	OBC	Primary
				Member	Sh.Balkishan	M	SC	Secondary
				Member	Sh. Roopchand	M	OBC	Secondary
				Member	Sh.Bhgawan lal	M	OBC	Secondary
				Member	Sh.Dhanpal	M	SC	Secondary
				Member	Sh. Om prakash	M	ST	B.A.
				Member	Smt. Lila Bai	F	OBC	Literate
Member	Mr.V.k.Bhatia	M	Departmental	AEN				

1.8.5.3 Details of Watershed Committees (WS) Kunjer :- GramPanchayat : Kunjer

Name of the District	Name of projects	Name of WCs	Date of Registration as a Society (dd/mm/yy)	Designation	Name	M/F	Category	E. Qualification
Baran	IWMP Atru V	Kunjer	02/04/2011	Sarpanch	Sh. Rajendra Kumar Yadev	M	OBC	Secondary
				President	Sh. Rajendra Kumar Yadev	M	OBC	Secondary
				Secretary	Sh. Naval Kumar	M	OBC	M.A.
				Member	Sh.Om Prakash	M	OBC	Primary
				Member	Sh.Radhe sayam	M	ST	Middle
				Member	Smt Minakshi	F	Gen	Secondary
				Member	Smt Santosh bai	F	SC	Litrate
				Member	Smt Niramala	F	Gen	Secondary
				Member	Sh. Rajendra	M	GEN	H. Secondary
				Member	Sh Yogaraj	M	OBC	H. Secondary
				Member	Sh Vikaram Singh	M	GEN	H. Secondary
				Member	Sh Hari bhallab	M	OBC	H. Secondary
				Member	Sh Harinarayan	M	OBC	Middle
				Member	Mr.V.k.Bhatia	M	Departmental	AEN

1.8.5.4 Details of Watershed Committees (WS) ATON :-**Gram****Gram Panchayat: -ATON**

Name of the Districts	Name of projects	Name of WCs	Date of Registration as a Society (dd/mm/yyyy)	Designation	Name	M/F	Category	E. Qualification
Baran	IWMP ATRU V	ATON	05/04/2011	Sarpanch	Sh Rajaram	M	ST	H.Secondary
				Presidant	Sh Rajaram	M	ST	H.Secondary
				Secratary	Sh Kahaiya Lal	M	SC	B.A.
				Member	Sh Ramraj	M	ST	Middle
				Member	Sh Mohan Chandra	M	OBC	B.A.
				Member	Sh Madan Lal	M	SC	M.A.
				Member	Sh Gori Shankar	M	OBC	B.A.
				Member	Sh Rajendra	M	OBC	Secondary
				Member	Sh Narendra	M	OBC	Middle
				Member	Sh Mahendra	M	OBC	Secondary
				Member	Smt Kanti Bai	F	GEN	Middle
				Member	Kamlesh	F	ST	Primary
				Member	Smt Indra Bai	F	ST	Litrate
Member	Mr.V.k.Bhatia	M	Departmental	AEN				

1.8.5.5 Details of Watershed Committees (WS) KHURI: - Gram Panchayat: -KHURI

Name of the Districts	Name of projects	Name of WCs	Date of Registration as a Society (dd/mm/yyyy)	Designation	Name	M/F	Category	E. Qualification
Baran	IWMP ATRU V	KHURI	01/04/2011	Sarpanch	Smt. Sangeeta Yaduvanshi	F	OBC	Secondary
				Presidant	Smt. Sangeeta Yaduvanshi	F	OBC	Secondary
				Secretary	Sh Jitendra	M	OBC	B.A.
				Member	Kumari Rajesh	F	SC	Middle
				Member	Smt Kelash Bai	F	SC	Litrate
				Member	Smt Seela Bai	F	OBC	Litrate
				Member	Smt Gobari Bai	F	Sc	Litrate
				Member	Smt Chana Bai	F	Sc	IL Litrate
				Member	Sh Vinod	M	OBC	Litrate
				Member	Sh Mhesh	M	Gen	B.A.
				Member	Sh Ghanshyam	M	ST	Primary
				Member	ShLekhraj	M	SC	Secondary
				Member	Sh Ram Lal	M	GEN	Middle
				Member	Mr.V.k.Bhatia	M	Departmental	AEN

1.8.5.6 Details of Watershed Committees (WS)BAMORI: - Gram Panchayat: -BAMORI

Name of the Districts	Name of projects	Name of WCs	Date of Registration as a Society (dd/mm/yyyy)	Designation	Name	M/F	Category	E. Qualification
Baran	IWMP ATRU V	BAMORI	06/04/2011	Sarpanch	Sh Durga Shanker	M	Sc	Middle
				Presidant	Sh Durga Shanker	M	Sc	Middle
				Secretary	Sh Daya Krishna	M	GEN	B.A.
				Member	Sh Jodhraj	M	ST	Litrate.
				Member	Sh Dwarki Lal	M	ST	Middle
				Member	Sh Tolaram	M	ST	Middle
				Member	Sh jamna Lal	M	OBC	Primary
				Member	Sh Kishan Chand	M	ST	Middle
				Member	Smt Ram kanvari Bai	F	SC	Litrate.
				Member	Smt Giraj Bai	F	SC	Litrate.
				Member	Smt Mahatab Bai	F	OBC	Litrate.
				Member	Smt Bhuri Bai	F	ST	Litrate.
				Member	Sh Panchu Lal	M	SC	IL Litrate.
				Member	Smt Mohini Bai	F	ST	Litrate.
Member	Mr.V.k.Bhatia	M	Departmental	AEN				

1.8.5.7 Details of Watershed Committees (WS) MERMA CHAH: - Gram Panchayat: MERMA CHAH

Name of the Districts	Name of projects	Name of WCs	Date of Registration as a Society (dd/mm/yyyy)	Designation	Name	M/F	Category	E. Qualification
Baran	IWMP ATRU V	MERMA CHAH	29/03/2011	Sarpanch	Smt Kanti Bai	F	OBC	Literate
				President	Smt Kanti Bai	F	OBC	Literate
				Secretary	Sh Jitendra	M	OBC	B.A.
				Member	Sh Tola Ram	M	SC	Literate
				Member	Smt Lad Bai	F	SC	Literate
				Member	Smt Lalita	F	OBC	Literate
				Member	Sh Chatra Bhujh	M	SC	Literate
				Member	Sh Ram Chandara	M	SC	B.Ed
				Member	Sh Purshotum	M	OBC	Literate
				Member	Sh Babu Lal	M	SC	Literate
				Member	Sh Ram Kishan	M	SC	Literate
				Member	Sh Heera Lal	M	SC	Literate
				Member	Mr.V.k.Bhatia	M	Departmental	AEN

1.8.5.8 Details of Watershed Committees (WS)ANTANA :- Gram Panchayat: ANTANA

Name of the Districts	Name of projects	Name of WCs	Date of Registration as a Society (dd/mm/yyyy)	Designation	Name	M/F	Category	E. Qualification
Baran	IWMP ATRU V	ANTANA	30/03/2011	Sarpanch	Smt Kali Bai	F	ST	Primary
				Presidant	Smt Kali Bai	F	ST	Primary
				Secratary	Sh Jagdish	M	ST	B.A.
				Member	Sh Chanda Lal	M	OBC	Secondary
				Member	Sh Satya Prakash	M	ST	Middle
				Member	Sh Narendra	M	ST	Middle
				Member	Sh Om Parkash	M	OBC	Secondary
				Member	Sh Badari Lal	M	OBC	Secondary
				Member	Sh Chhiter Lal	M	OBC	Secondary
				Member	Sh Himmat Singh	M	GEN	Middle
				Member	Smt Geeta Bai	F	SC	Literate
				Member	Smt Prem Bai	F	GEN	Literate
				Member	Sh Ram Kishan	M	OBC	Primary
Member	Mr.V.k.Bhatia	M	Departmental	AEN				

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. **1031 ha** land is arable wasteland and **471 ha** is fallow can be brought under cultivation. **1205 ha** are only irrigated and with efforts this can be increased to **2500 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) 12507.11 **MT** fodder scarcity can be met out through Pasture development .Improved animal Husbandry practices can increase the productivity of livestock. **233** 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

Basic Data, Analysis and Scope

CHAPTER – II Basic data, analysis & scope**Demography Details of Total Watershed Area****Table 2.1 Population & Household Details:-**

Total Population				
Male	Female	Total	SC	ST
10147	9222	19366	4960	3758

Household Details						
BPL household	L. Less	Small Farmer	M. Farmer	Total household	SC household	ST household
318	203	602	1288	3215	818	621

WDT DISCUSSING PROBLEMS OF VILLAGERS DURING NIGHT CHOPAL

Table 2.2 Development Indicators:-

S. No.	Development Indicators	State	Project Area
1	Per capita income (Rs.)	16260	14272
2	Poverty ratio	0.22	0.18
3	Literacy (%)	0.604	0.52
4	Sex Ratio	921	917
5	infant mortality rate	-	0.4
6	maternal mortality ratio	-	0.4

*The table indicates poor socio economic conditions.

Table 2.3 Land Use & Land Classification:-

Land Use	Total area in Ha				
	Private	Panchayat	Government	Community	Total
Agriculture Land					
Cultivated Rain fed	4119	-	-	-	4119
Cultivated irrigated	1297	-	-	-	1297
Total Land	5416	-	-	-	5416
Temporary fallow	944	-	-	-	944
Permanent Fallow	-	-	-	219	219
Forest Land	-	-	-	-	-
Waste Land	-	-	-	471	471
Pastures	-	125	-	-	125

*The area of forest, undertaken by the surrounding area of the watershed area

The project area has 5416 ha of cultivable Land wasteland is 490 ha. fallow land 579 ha (total 1069 ha) can be brought under cultivation if some irrigation source can be provided through Construction of WHS like Dugout pond, Anicut & Farm ponds etc. and also through demonstration of rain fed varieties of crops. Construction of WHS can also increase in area under irrigation which is only 20 %. 454 ha. (7 % of the project area) is under wastelands and can be brought under vegetative cover, with reasonable effort. Activities like Loose Stone check dams, Dugout pond, V-ditches, staggered trenches, WHS (Johad) Afforestation of wastelands and Pasture development will be taken up on these lands Pasture development the land use table shows that there 490 hectare pasture land (8.%) This emphasizes the need for taking up pastureland development works through sowing of promising species of grasses and plantation

Table 2.4 .a Agriculture, Horticulture status and fuel availability:-

Crop Shown	Rain fed				Irrigated				Total	
	Varieties	Area (ha)	Production (Ton)	Productivity (Kg/ha)	Varieties	Area (ha)	Production (Ton)	Productivity (Kg/ha)	Area (ha)	Production (Ton)
Wheat	Lok 1, WH147	50	106	2125	Lok 1, WH147, Raj 3077, Raj 3765, RAJ 1555	1054	3267.40	3100	1104	3373.40
Mustard	T 59, Pusabold, RH-30, Vasundhara	1490	2011.50	1350	T 59, Pusa bold, RH-30, Bio 902	-	-	-	1490	2011.50
Coriander	RCR 41, UD 20, CS 06 Local	1619	777.12	480	RCR 41, UD 20, CS 06 Local	-	-	-	1619	777.12
Gram	C235, Dohad Yellow,	26	14.30	550	C235, Dohad Yellow, H 208	-	-	-	26	14.30

Garlic	-	-	-	-	Yamuna Safeda,G-1	151	649.30	4300	151	649.30
Soyabean	JS 335, GS 93-05	3317	3068.22	925	-	-	-	-	3317	3068.22
Maize	Ganga 2,5, Navjoyti, Sathi Local	109	146.60	1345	-	-	-	-	109	146.60
Ground Nut	Chandra& Local variety	5.00	5.47	1095	-	-	-	-	5.00	5.47
Til	Local variety	159	71.55	450	-	-	-	-	159	71.55
Green Gram/Black Gram	Local variety & Pusa Veisakhi,Pant Mung-1	84	60.90	725	-	-	-	-	84	60.90

Area under Single crop	3185
Area under Double crop	1205
Area under Multiple crop	-

****Brief Description of Crops:-**

- **Maize -** The farmers are using Sathi varieties of Maize, whereas varieties like Ganga – 2, Ganga- 5, Ageti – 76 can increase the **production**.
- **Soyabean -** The farmers are using mostly JS 335 varieties of Soybean, whereas varieties like JS 93-05, JS 95-60, Soya 1 can increase the production.
- **Wheat -** The farmers are using mostly Lok-1, Local, varieties of Wheat, whereas varieties like Raj 4037,3765, Raj 3077 can increase the **production**.
- **Coriander -** The farmers are using mostly Local varieties of Coriander, whereas varieties like RCR 41, UD 20, RC 6 can increase the production.
- **Mustard -** The farmers are using mostly Varuna (T-59) varieties of Mustard, whereas varieties like Pusa Bold, kala sona, Vasundhara, RH- 30 & Bio 902 can increase the production.
- **Gram -** The farmers are using mostly Local varieties of Gram, whereas varieties like Dohad Yellow C 235, Phule GI - 1 can increase the production.

Crop Rotation:-

Maize	-	Fellow
Fellow	-	Mustered
Maize	-	Coriander
Maize	-	Gram
Soybean	-	Wheat

Soybean	-	Gram
Soybean	-	Coriander
Soybean	-	Fellow
Till	-	Fellow

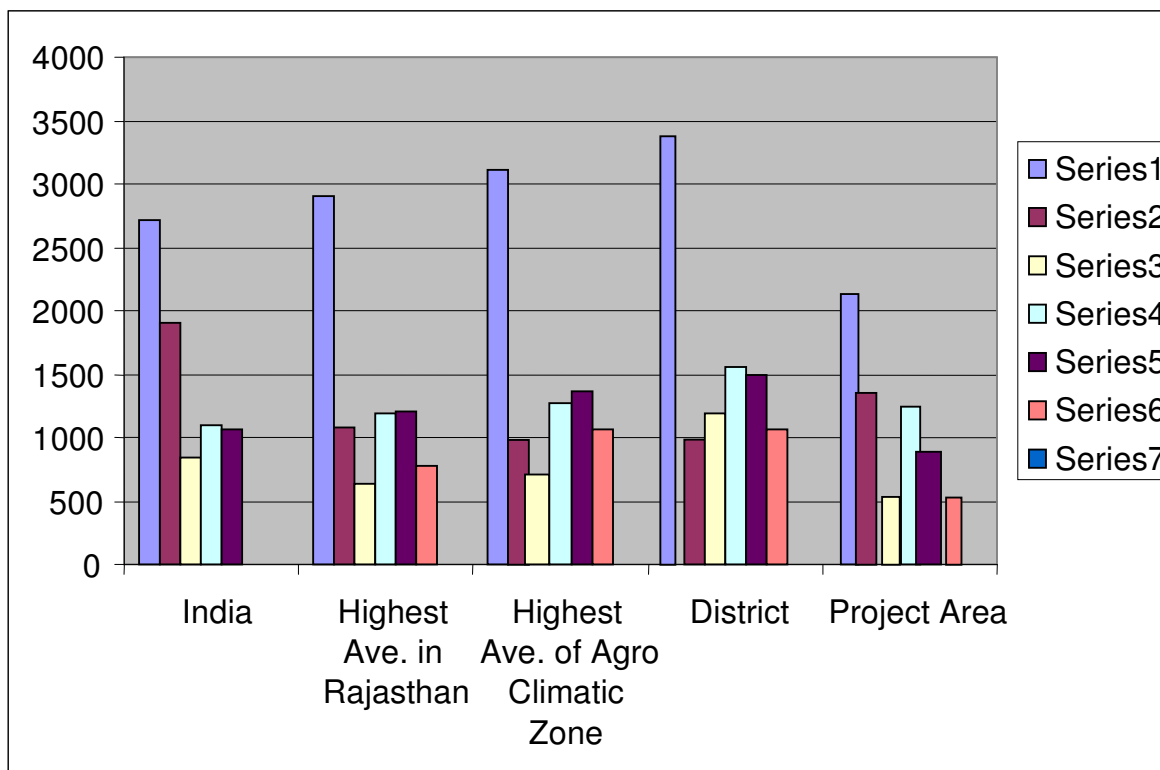
The table 2.4 (b) shows that only 1205 ha is (27.28%) is double cropped area. Also the crop rotation shows that fallow lands are there. This indicates that there is scope for change in crop rotation in fields where there are fallow lands through Soil and Water conservation measures, crop demonstration 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 (Yield) Gap Analysis:-

Name of the crop	Productivity kg/ha				
	India	Highest Average in Rajasthan	Highest Average of Agro climatic zone	District	Project Area
Wheat	2708	2912	3113	3392	2125
Maize	1912	1086	986	986	1345
Gram	845	636	842	1190	550
Mustard	1095	1194	1273	1551	1350
Soybean	1063	1208	1373	1493	925
Coriander	0	780	1063	1067	480

- References of the sources data collect through the revenue department



Analysis of the table indicate above that is higher than the productivity of state & agro climate zone but these is huge gap between Productivity of district & project area.

The reasons for this variation are:-

- The farmers are using Sathi varieties of Maize, whereas varieties like Ganga – 2, Ganga- 5, Ageti – 76 can increase the production.
- The farmers are using mostly JS 335 varieties of Soybean, whereas varieties like JS 93-05, JS 95-60, Soya 1 can increase the production.
- The farmers are using mostly Lok-1 varieties of Wheat, whereas varieties like Raj 3765, Raj 3077 can increase the production.
- The farmers are using mostly Local varieties of Coriander, whereas varieties like RCR 41, UD 20, RC 6 can increase the production.
- The farmers are using mostly Varuna (T-59) varieties of Mustered, whereas varieties like Pusa Bold, Vasundhara, RH - 30 & Bio 902 can increase the production.
- The farmers are using mostly Local varieties of Gram, whereas varieties like Dohad Yellow C 235, Phule GI - 1 can increase the production.

- Lack of availability of good quality seeds of desired crop & Variety in adequate quantities & time to the farmers.
- Availability of water for cultivation (15.33 % is irrigated table 2.14)

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.

Activity	Area	Species	Varieties	Recommended varieties	Production
Horticulture					
Guava	1.05	-	Allahabadi	L 49, L Safeda, Pusa Bedana	1650 Qts
Lemon	1.00	-	Kagji	Pant Lemon, Barah masi	145 Qts
Mango	1.00	-	Local Variety	Amrapali , Mallika	680 Qts
Vegetables					
Onion	2	0	Pusa Red,	Nasik Red L 53, Agri Camfaund	800 Qts
Bhindi (Lady Finger)	1	0	Pusa Sawni	Pusa Sawni, Arka Basant, Arka Anamika	400Qts.
Brinjal	1	0	Pant Rituraj	Pusa Ankur, Hisar Samal	250Qts
Tomato	0.5	0	Pusa 1, 2	Naveen , Himshikhar	75 Qts
Coriander				RCR 41, UD 20, CS 6, Pant Haritma, Sadhna	
Medicinal Plants	-	-	-	Alovera, Ashawgandha Tulsi Kalmegh & White Musli	-

Note: Orchard is holding 0.8 ha. & scattered plantation of Citrus, Papaya is found in the field. Floriculture is not in practice & Medicinal plants are not grown in Watershed Area.

Table 2.6 Land holding Pattern in project area:-

Sr. No.	Type of Farmer	Total House holds	Land holding (ha.) irrigation source wise			Land holding (ha.) Social group wise			
			Irrigated (source)	Rain fed	Total	General/obc	SC	ST	BPL
1	Large Farmer	948	788.54	3151.44	3939.98	2581.76	337.93	1020.29	0
2	Small Farmer	602	202.17	813.62	1015.79	623.17	243.69	148.96	0
3	Marginal Farmer	1144	92.23	368	460.23	249.63	137.18	73.39	125
4	Landless person	203	0	0	0	0	0	0	0
5	No. of BPL Household	318	0	0	0	0	0	0	0
Total		3215	1082.94	4333.06	5416.00	3454.56	718.80	1242.64	125

54.30 % land holdings belong to small and marginal farmers who own 27.25 % 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 and Medicinal -: 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 & Alovera etc.

Agro forestry plantation - To increase the income of farmer's cultivators will be promoted to adopt the plantation.

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 & also preservations of seed for next season seed bin will distributed amongst farmer for project funds.

Sprinklers and Pipe Lines - For efficient water management practices, emphasis on demonstration of sprinklers with adequate financial support and convergence with agricultural department as per norms.

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. Our proposed as a composite Nursery will be established from pasture development budget.

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/mutt on/Wool) LT/Tons	Equ. cow units	Dry matter requirement per year (7Kg per animal.) MT	Total requirement in M.T.
1	Cows	2923	450.40	2923	7468.26	7468.26
	Indigenous	2885	260.40	2885	7371.17	7371.17
	Hybrid	38	190.00	38	97.09	97.09
2	Buffaloes	6030	2526.40	6030	15406.65	15406.65
	Murah	17	40	17	43.43	43.43
3	Goat	5321	705.50	5321	1862.35	1862.35
4	Sheep	830	4.00	830	290.50	290.50
5	Others	505	--	-	-	-
	Total	15626	3726.30	15121	25071.19	25071.19

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 cross-breed 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	4640
2	Production of Green fodder	Tonns/year	206.71
3	Production of Dry fodder	Tonns/ Year	12300.40
4	Area under Pastures	Ha	125
5	Production of fodder	Tonns/year	12507.11
6	Existing area under Fuel wood	Ha	117
7	Supplementary feed	Kg/ day	208
8	Silage Pits	No	0
9	Availability of fodder	MT	12507.11

10	Deficiency of fodder	MT	12564.08
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The table above shows there is fodder deficiency (Requirement is 25071.19 MT and availability 12507.11MT)

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

S. No	Implements	Nos.
1	Tractor	182
2	Sprayers-manual/ power	305
3	Cultivators/Harrows	204
4	Seed drill	176
5	Any Other Thresher & Bund Farmer	151

Table 2.9 Agriculture implements

Farm mechanization and seed banks: As discussed earlier 23 % land holdings belong to small and marginal farmers who own only 25 % of total cultivated area sowing of big farm implements by individual farmers is not economical so SHG would be promoted to buy farm implements and rent to farmer

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	Bamori	264	180	Deepening of Pond
2	Dadwara	125	75	Deepening of Pond
3	Kherli Nahriya	104	-	--
4	Antana	316	30	Gravel Road, Deepening of Pond
5	Aton	508	30	Gravel Road
6	Kherlidabka	57	-	-
7	Kachri	143	45	Gravel Road

8	Kachara	191	-	-
9	Gandoliya	229	30	Gravel Road
10	Bhainsara	210	30	Gravel Road
11	Kherli Mazer	76	-	-
12	Mayatha	178	45	Deepening of Pond
13	Merma talab	212	45	Dugout Pond
14	Kunjer	372	60	Gravel Road
15	Khuri	280	15	Construction of Kharanja, Dugout Pond
16	Diwali	230	15	Gravel Road
17	Jeerod	473	-	-
18	Bokara	70	-	-

Table 2.11 Migration Details:-

Name of village	No. of persons migrating	No. of days per year of migration	Major reason (s) for	Distance of destination of migration from the village (km)	Occupation during migration	Income from such occupation (Rs. In lacs) Per Person / year (Lakhs)
Bamori	21	45	For Professional Works	74	Agri Labour	0.16
Dadwara	4	19	For Professional Works	55	Labour	0.15
Kherli Nahriya	5	27	For Professional Works	65	Labour	0.14
Antana	12	32	For Professional Works	40	Agri Labour	0.33
Aton	27	125	For Professional Works	50	Labour	0.22
Kherlidabka	3	21	For Professional Works	33	Agri Labour	0.35
Kachri	7	50	For Professional Works	61	Labour	0.18
Kachara	9	50	For Professional Works	62	Labour	0.28

Gandoliya	11	54	For Professional Works	46	Labour	0.24
Bhainsara	18	108	For Professional Works	23	Agri Labour	0.27
Kherli Mazer	5	87	For Professional Works	25	Labour	0.28
Mayatha	14	63	For Professional Works	56	Labour	0.33
Merma talab	18	58	For Professional Works	33	Agri Labour	0.30
Kunjer	34	106	For Professional Works	35	Agri Labour	0.21
Khuri	15	45	For Professional Works	75	Agri Labour	0.30
Diwali	9	54	For Professional Works	43	Agri Labour	0.21
Jeerod	16	65	For Professional Works	55	Agri Labour	0.17
Bokara	5	42	For Professional Works	45	Labour	0.26

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 (in lacs)
Cultivators	2433	853.88
Dairying	4	0.90
Poultry	12	1.15
Piggery	5	0.96
Landless Agri. Labourers	452	72.52
Table 2.12(b) Major activities (Off Farm)		
Name of activity	Households/individuals	Average annual income from the (in lacs)
Artisans	3	1.50
Carpenter	22	7.70
Blacksmith	9	2.25
Leather Craft	18	5.04
Porter	55	16.50
Mason	125	42.50
Others specify (Cycle Repair ,STD,Craft etc)	95	30.40

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

Sr.No.	Name of SHG	Members	Activity involved	Monthly Saving	Fund available	Connectivity Bank	Source of assistance	Training received
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Table 2.13(a) Status of Existing SHG:-

1.	Vishnu –Shakh	10	Small Saving	500	10036	SBI Atru	IWMP Atru –V	Yes
2.	Maa Sharda	15	Small Saving	500	9000	HKGB kunjed	IWMP Atru –V	Yes
3.	Maa Durga-II	18	Small Saving	1000	12000	HKGB kunjed	IWMP Atru –V	Yes
4.	Archana	10	Small Saving	1000	15000	HKGB kunjed	IWMP Atru –V	Nil
5.	Jyoti	10	Small Saving	500	8000	HKGB kunjed	IWMP Atru –V	Yes
6.	Shanti	10	Small Saving	500	11000	HKGB kunjed	IWMP Atru –V	Yes
7.	Anita	10	Small Saving	1000	15000	SBI Atru	IWMP Atru –V	Nil
8.	Rukmani	10	Small Saving	1000	15500	SBI Atru	IWMP Atru –V	Yes
9.	Laxmi Sakha	10	Small Saving	500	5075	SBI Atru	IWMP Atru –V	Yes

10.	Sartia Sakha	10	Small Saving	500	5500	CBI Atru	IWMP Atru –V	Yes
11.	Laxmi	11	Small Saving	1000	11000	SBI Atru	IWMP Atru –V	Nil
12.	Sunita	10	Small Saving	500	5000	SBI Atru	IWMP Atru –V	Yes
13.	Kavita	10	Small Saving	500	5553	SBBJ Atru	IWMP Atru –V	Yes
14.	Babli	10	Small Saving	500	4000	SBBJ Atru	IWMP Atru –V	Nil
15.	Radhika	10	Small Saving	500	5000	HKGB Atru	IWMP Atru –V	Yes
	Rohini	10	Small Saving	1000	15000	SBI Atru		
16.	Saraswati-II	10	Small Saving	500	5036	CCB Atru	IWMP Atru –V	Yes
17.	Ashu	10	Small Saving	500	2500	CCB Atru	IWMP Atru –V	Yes
18.	Tinaa	10	Small Saving	500	8500	CCB Atru	IWMP Atru –V	Yes
19.	Niyati	10	Small Saving	500	5500	SBBJ Atru	IWMP Atru –V	Nil
20.	Radha	10	Small Saving	500	11000	CCB Atru	IWMP Atru –V	Yes
21.	Mahima	10	Small Saving	500	15000	SBI Atru	IWMP Atru –V	Yes

22.	Milan	10	Small Saving	500	5000	HKGB Kujed	IWMP Atru -V	Yes
23.	Manisha	10	Small Saving	500	5000	CCB Atru	IWMP Atru -V	Yes
24.	Shri Ganesh	10	Small Saving	500	5000	CCB Atru	IWMP Atru -V	Yes
25.	Satguru	11	Small Saving	500	9900	SBI Atru	IWMP Atru -V	Yes
26.	Saraswati	10	Small Saving	500	10000	SBI Atru	IWMP Atru -V	Nil
27.	Vishnu	15	Small Saving	1000	9000	SBI Atru	IWMP Atru -V	Yes
28.	Vansika	12	Small Saving	1000	12000	SBI Atru	IWMP Atru -V	Yes
29.	Sangita	10	Small Saving	500	5575	HKGB Kunjed	IWMP Atru -V	Nil
30.	Priya	10	Small Saving	500	6500	HKGB Kunjed	IWMP Atru -V	Yes
31.	Diksha	10	Small Saving	500	5500	HKGB Kunjed	IWMP Atru -V	Yes
32.	Usha	10	Small Saving	500	1500		IWMP Atru -V	Nil
34.	Radha-II	10	Small Saving	500	3644	SBI Atru	IWMP Atru -V	Yes

Sr.No.	Name of SHG	Members	Activity involved	Monthly Saving	Fund available	Connectivity Bank	Source of assistance	Training received
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New SHG Group: b.

1.	Pooja	12	Small Saving	600	24000	SBI	IWMP Atru -V	Nil
2.	Payal	10	Small Saving	500	5000	CCB Atru	IWMP Atru -V	Nil
3.	Shri Krishna	10	Small Saving	500	5375	SBI	IWMP Atru -V	Yes
4.	Rathi	10	Small Saving	500	5036	CCB, Atru	IWMP Atru -V	Yes
5.	Gayatri	10	Small Saving	500	10000	SBBJ,Atru	IWMP Atru -V	Nil
6.	Madhu	11	Small Saving	500	15000	SBI Atru	IWMP Atru -V	Yes
7.	Maa Durga	10	Small Saving	500	9038	CCB Atru	IWMP Atru -V	Yes
8.	Nirdhan	10	Small Saving	1000	15000	SBI	IWMP Atru -V	Yes
9.	Bhagat Sigh	10	Small Saving	500	11000	SBI	IWMP Atru -V	Nil

10.	Adarsh	10	Small Saving	500	5000	CCB	IWMP Atru –V	Yes
11.	Priyanka	10	Small Saving	500	5000	SBBJ	IWMP Atru –V	Nil
12.	Kriti	10	Small Saving	500	5000	CCB Atru	IWMP Atru –V	Yes
13.	Saraswati	10	Small Saving	500	5000	CCB Atru	IWMP Atru –V	Yes
14.	Shila	12	Small Saving	500	7200	CCB Atru	IWMP Atru –V	Yes
15.	Radha-III	10	Small Saving	500	5500	CCB Atru	IWMP Atru –V	Nil
16.	Maha laxmi	12	Small Saving	500	6000	CCB Atru	IWMP Atru –V	Yes
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 (FT)	Dry	Area irrigated (ha)	Water availability(days)
i)	Dug wells	405	50-60	405	0.00	35
ii)	Shallow tube wells	345	300-350	95	173	120
iii)	Pumping sets	170	-	-	-	-
iv)	Deep Tube Wells	515	350-550	195	1032	265days
	Total	1435	-	695	1205	-

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. defunct
1	Bamori	51120	46008	9	2	7	7
2	Dadwara	18600	16800	4	1	0	0
3	Kherli Nahriya	19840	17745	7	2	1	1
4	Antana	67280	64280	15	3	10	10
5	Aton	87720	82655	19	3	8	8
6	Kherlidabka	9160	8136	3	4	3	3
7	Kachri	25670	23475	9	2	1	1
8	Kachara	40080	32140	14	2	0	0
9	Gandoliya	41600	39525	11	4	1	1
10	Bhainsara	43400	42500	18	3	3	2
11	Kherli Mazer	12760	11704	6	3	0	0

12	Mayatha	37800	35209	9	4	4	2
13	Merma talab	69680	67415	21	1	2	1
14	Kunjer	99520	97405	24	20	0	0
15	Khuri	51040	49052	17	10	0	0
16	Diwali	39320	37125	14	3	3	2
17	Jeerod	40880	38795	16	0	0	0
18	Bokara	19160	17175	10	12	4	2

Table 2.16 Water Use efficiency :-

Name of major crop	Area (Hectare)			Total
	through water saving devices(Drip / Sprinklers)	through water conserving agronomic practices [#]	Any other (pl. specify)	
Wheat	6 ha	152 ha	Nil	163 ha
Mustard	Nil	26 ha	Nil	26 ha
Coriander	Nil	52 ha	Nil	52 ha
Total	6Ha	230 Ha	-	241 Ha

- 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%	6422.07
2	3 to 5%	53.17
3	5 to 10%	7.79
4	> 10%	1.79

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

Water Budgeting:-**Table 2.18 (a) Total available runoff (cum) use Strangers table**

Area, ha	Type of Catchments	Yield of runoff from catchments per ha.(cum.) use Strangers table	Total Runoff, Cum
1745	Good	1050	1832250
2140	Average	790	1690600
2600	Bad	470	1222000
6485	Total		4744850

Table 2.18 (b) Details of already stored runoff (Surface Water structures)

S.No.	Name	No.	Storage Capacity (cum)	Area irrigated (ha)
i)	Major Irrigation Project	-	-	-
ii)	Medium Irrigation Project	-	-	-
iii)	Form Ponds/Tanks	-	-	-
iv)	Anicuts	1	8100	-
	Total	1	8100	-

Table 2.18 (c) Balance available runoff (cum)

Total run off (a)	Net tapped Runoff (b)	Balance Run off(a-b)	Available for Harvesting (0.75*)
4744850	8100	4736750	3552562

The water budgeting indicates potential for water harvesting in the area

Table 2.18 (d) Proposed New Structures:-

S.No.	Proposed New Structures	No. of Structures	Storage Capacity (cum)
1	Farm Ponds	16	10768
2	Ground water recharge Structure	234	14040
3	Medium Masonery structure	57	85500
	Total	307	110308

Table 2.19 (a.)Soil details:-

Soil Profile		
S.No.	Major Soil Classes	Area in hectares
1	Clay Soil	-
2	Black Soil	6485
B.	Soil Depth :	
	Depth (Cms.) 5-60 cms	Area in hectares
1	0.00 to 7.50	352
2	7.50 to 45.00	5678
3	> 45.00	455

C	Soil fertility Status	Kg/ha	Recommended
	N	10.00 (Low)	55
	P	28.00(Medium)	45
	K	298 (High)	-
	Micronutrients	PPM	PPM
	Zn	0.60	9.40
	Fe	4.50	5.50
	Cu	0.20	9.80
	Mn	2.30	7.70

Table 2.19 (b.)Soil details:-

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

IWMP-V

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	3500	535.5	39
b	Rill	1525		
c	Gully	1460		
Sub-Total		6485		
Wind erosion		NA		
Total for project				

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 like gully plugs, Bank Stabilisation, Loose stone check Dams, Gabions, Earthen embankment (Nadi) and Anicuts would be taken up.

Chapter - III

IWMP-V

PROPOSED DEVELOPMENT PLAN

IWMP-V

Proposed Development Plan: -

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 all village of 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	Bamori	06.04.2011
2	Antana	30.03.2011
3	Aton	05.04.2011
4	Merma Chah	29.03.2011
5	Bhainsara	07.04.2011
6	Kunjer	02.04.2011
7	khuri	01.04.2011
8	Jeerod	31.03.2011

IWMP-V

S. No.	Name of the Gram Panchayat	Amount earmarked for EPA (4%)	Entry Point Activities planned	Estimated cost	Expenditure incurred	Balance	Expected outcome	Actual outcome
1	Bamori	334080	Samshan ghat(3)	120000	100000	0	Shourt out the Water, Social, Light Problem	Successfully Sought out the Social ,Light Problem
			Solar Lights, (2)	22004	44008	0		
			Water Tank (1)	50000	-	0		
2	Antana	213600	Samshan ghat (2)	120000	100000	0		
			Solar Lights, (2)	22004	44008	0		
			Water Tank(1)	50000	-	0		
3	Aton	612480	Solar Lights, (5)	22004	110020	0		
			Samshan ghat (2)	120000	100000	0		

			Water Tank and Animal khel(3)	85000	-	0		
4	Merma Chah	97440	Samshan ghat (1)	120000	97000	0		
5	Bhainsara	846240	Solar Lights, (12)	22004	264048	0		
			Samshan ghat (2)	120000	200000	0		
			Water Tank and Animal khel (4)	85000	-	0		
6	Jeerod	333600	Solar Lights, (6)	22004	132024	0		
			Samshan ghat (1)	120000	-	0		
			Water Tank(2)	40000	-	0		
7	khuri	99840	Samshan ghat (1)	120000	99000	0		

8	Kunjer	575520	Solar Lights(5)	22004	110020	0		
			Samshan ghat(2)	120000	100000	0		
			Water Tank and Animal khel (3)	75000	-	0		
Total								

S.No	Name of the village/Habitation	Date on which PRA conducted
1	Bamori	09.11.2011
2	Dadwara	11.11.2011
3	Kherli Nahriya	10.11.2011
4	Antana	05.11.2011
5	Aton	07.11.2011
6	Kherlidabka	08.11.2011
7	Kachri	15.11.2011
8	Kachara	14.11.2011
9	Gandoliya	12.11.2011
10	Bhainsara	24.10.2011
11	Kherli Mazer	29.10.2011
12	Mayatha	25.10.2011

13	Merma talab	31.10.2011
14	Kunjer	22.10.2011
15	Khuri	02.11.2011
16	Diwali	01.11.2011
17	Jeerod	03.11.2011
18	Bokara	04.11.2011

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

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 March, 2011 to Dec. 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.**

Chapter III Proposed Development Plan Gram panchyat Kunjad

1199 12000 143.88

Activity	(A) Preparatory Phase Activities Capacity Bulging training & EPA						
	Unit	Qty	Unit Cost in Rs	Total Cost Lacs	Cost From Project Fund Lac	Convergnce Fund Lacs	Beneficiary Contribution Lacs
Administration 10%				14.39	14.39		
Monitoring 1%				1.44	1.44		
Evaluation 1%				1.44	1.44		
EPA 4%				5.76	5.76		
I & CB 5%				7.19	7.19		
DPR 1%				1.44	1.44		
Total				31.66	31.66		
B					0.00		
Conservation Measures for arable land (56%)					0.00		
Vegetative contour Bund	M	14926	113	16.87	16.87		1.69
Waste weir		4	75900	3.04	3.04		0.30
Vegetative contour Bund with waste weir on SC/ST/BPL Farmer land through MGNREGA		98	35000	34.30	0.00	34.30	0.00
LCD	Nos.	20	12050	2.41	2.41		0.24
Bank Stabilization or Peripheral Bund	M	5000	154.00	7.70	7.70		0.77
Farm Pond	Nos.	3	50000.00	1.50	0.00	1.50	3.00
Total				65.81	30.01		
Conservation Measures for Non arable land					0.00		
Pasture Development					0.00		
DCB	M		100	0.00	0.00		0.00

CVH	Nos.		5100	0.00	0.00		0.00
Loose Stone Check Dam	Nos.			0.00	0.00		0.00
Planation	Nos.		95	0.00	0.00		0.00
Talai	Nos.	1	344000	3.44	3.44		0.17
Total				3.44	3.44		0.17
Drainage Line treatment							0.00
Run off Management Structure 40m	Nos.	0	1385000	0.00	0.00		0.00
Run off Management Structure 30 m	Nos.	0	1156000	0.00	0.00		0.00
Run off Management Structure 20 m	Nos.	1	945000	9.45	9.45		0.47
Run off Management Structure 15m	Nos.	1	840000	8.40	8.40		0.42
Run off Management Structure 10 m	Nos.	2	730000	14.60	14.60		0.73
Run off Management Structure 8 m	Nos.	2	636000	12.72	12.72		0.64
Loose Stone Check Dam	Nos.	10	12050	1.21	1.21		0.06
Gabion Structure	Nos.	3	24600	0.74	0.74		0.04
Total				47.11	47.11	0.00	2.36
Grand Total				116.37	80.57	0.00	2.53
1. Production measure for Arable land							
Horticultural Plantation	Nos.	3775	131	4.95	4.95		0.99
Agroforestry	Nos.	1700	25	0.43	0.43		0.09
Vegetables	Nos.	230	1000	2.30	2.30		0.46
Crop Demonstration	Nos.	150	2000	3.00	3.00		0.60
Total				10.67	10.67		2.14
2. Live stock Development							
Breed Improvement	Nos.	2	35000	0.70	0.70		
Distribution of Chaff cutter	Nos.	5	6000	0.30	0.30		0.06
Distribution of Mangers	Nos.	120	500	0.60	0.60		0.12
Animal health kit to Cattle Rearer	Nos.	124	300	0.37	0.37		0.07
Fooder Demonstration	Nos.	150	1000	1.50	1.50		0.30
Animal health camps	Nos.	1	24000	0.24	0.24		
Total				3.71	3.71		0.55
				14.38	14.38		
3. Micro Enterprise (Livelihood) (9%)							

Financial assistance to SHG,Individual,Federations				12.96	12.96		0
Grand Total				59.00	59.00		2.69
D.Consolidation Phase (3 %)				4.32	4.32		0.00
Grand Total				179.68	143.88		5.22
Say							

Chapter III Proposed Development Plan Gram panchyat Aton

1276 12000 153.12

Activity	(A) Preparatory Phase Activities Capacity Building training & EPA						
	Unit	Qty	Unit Cost in Rs	Total Cost Lacs	Cost From Project Fund Lac	Convergnce Fund Lacs	Beneficiary Contribution Lacs
Administration 10%				15.31	15.31		
Monitoring 1%				1.53	1.53		
Evaluation 1%				1.53	1.53		
EPA 4%				6.12	6.12		
I & CB 5%				7.66	7.66		
DPR 1%				1.53	1.53		
Total				33.68	33.68		
B					0.00		
Conservation Measures for arable land (56%)					0.00		
Vegetative contour Bund	M	14955	113	16.90	16.90		1.69
Waste weir		5	75900	3.80	3.80		0.38
Vegetative contour Bund with waste weir on SC/ST/BPL Farmer land through MGNREGA		105	35000	36.75	0.00	36.75	0.00
LCD	Nos.	15	12050	1.81	1.81		0.18
Bank Stabilization or Peripheral Bund	M	3000	154.00	4.62	4.62		0.46
Farm Pond	Nos.	2	50000.00	1.00	0.00	1.00	2.71
Total				64.87	27.12		
Conservation Measures for Non arable land					0.00		
Pasture Development					0.00		
DCB	M		100	0.00	0.00		0.00
CVH	Nos.		5100	0.00	0.00		0.00
Loose Stone Check Dam	Nos.			0.00	0.00		0.00
Planation	Nos.		95	0.00	0.00		0.00
Talai	Nos.	0	344000	0.00	0.00		0.00
Total				0.00	0.00		0.00

Drainage Line treatment					0.00	
Run off Management Structure 40m	Nos.	1	1385000	13.85	13.85	0.69
Run off Management Structure 30 m	Nos.	1	1156000	11.56	11.56	0.58
Run off Management Structure 20 m	Nos.	1	945000	9.45	9.45	0.47
Run off Management Structure 15m	Nos.	1	840000	8.40	8.40	0.42
Run off Management Structure 10 m	Nos.	1	730000	7.30	7.30	0.37
Run off Management Structure 8 m	Nos.	1	636000	6.36	6.36	0.32
Loose Stone Check Dam	Nos.	10	12050	1.21	1.21	0.06
Gabion Structure	Nos.	2	24600	0.49	0.49	0.02
Total				58.62	58.62	2.93
Grand Total				123.49	85.74	2.93
1. Production measure for Arable land						
Horticultural Plantation	Nos.	4620	131	6.05	6.05	1.21
Agroforestry	Nos.	2000	25	0.50	0.50	0.10
Vegetables	Nos.	150	1000	1.50	1.50	0.30
Crop Demonstration	Nos.	150	2000	3.00	3.00	0.60
Total				11.05	11.05	2.21
2. Live stock Development						
Breed Improvement	Nos.	2	35000	0.70	0.70	
Distribution of Chaff cutter	Nos.	15	6000	0.90	0.90	0.18
Distribution of Mangers	Nos.	100	500	0.50	0.50	0.10
Animal health kit to Cattle Rearer	Nos.	140	300	0.42	0.42	0.08
Fooder Demonstration	Nos.	150	1000	1.50	1.50	0.30
Animal health camps	Nos.	1	24000	0.24	0.24	
Total				4.26	4.26	0.66
				15.31	15.31	
3. Micro Enterprise (Livelihood) (9%)						
Financial assistance to SHG, Individual, Federations				13.80	13.80	0
Grand Total				62.79	62.79	2.87
D. Consolidation Phase (3 %)				4.59	4.59	0.00
Grand Total				190.87	153.12	5.80

Chapter III Proposed Development Plan Gram panchyat zirod

695 12000 83.4

Activity	(A) Preparatory Phase Activities Capacity Bulging training & EPA						
	Unit	Qty	Unit Cost in Rs	Total Cost Lacs	Cost From Project Fund Lac	Convergence Fund Lacs	Beneficiary Contribution Lacs
Administration 10%				8.34	8.34		
Monitoring 1%				0.83	0.83		
Evaluation 1%				0.83	0.83		
EPA 4%				3.34	3.34		
I & CB 5%				4.17	4.17		
DPR 1%				0.83	0.83		
Total				18.34	18.34		
B					0.00		
Conservation Measures for arable land (56%)					0.00		
Vegetative contour Bund	M	9860	113	11.14	11.14		1.11
Waste weir		2	75900	1.52	1.52		0.15
Vegetative contour Bund with waste weir on SC/ST/BPL Farmer land through MGNREGA		66	35000	23.10	0.00	23.10	0.00
LCD	Nos.	5	12050	0.60	0.60		0.06
Bank Stabilization or Peripheral Bund	M	2000	154.00	3.08	3.08		0.31
Farm Pond	Nos.	1	50000.00	0.50	0.00	0.50	1.63
Total				39.94	16.34		
Conservation Measures for Non arable land					0.00		
Pasture Development					0.00		
DCB	M		100	0.00	0.00		0.00
CVH	Nos.		5100	0.00	0.00		0.00
Loose Stone Check Dam	Nos.			0.00	0.00		0.00
Planation	Nos.		95	0.00	0.00		0.00
Talai	Nos.		344000	0.00	0.00		0.00

Total				0.00	0.00	0.00
Drainage Line treatment					0.00	
Run off Management Structure 40m	Nos.	0	1385000	0.00	0.00	0.00
Run off Management Structure 30 m	Nos.	0	1156000	0.00	0.00	0.00
Run off Management Structure 20 m	Nos.	0	945000	0.00	0.00	0.00
Run off Management Structure 15m	Nos.	1	840000	8.40	8.40	0.42
Run off Management Structure 10 m	Nos.	1	730000	7.30	7.30	0.37
Run off Management Structure 8 m	Nos.	2	636000	12.72	12.72	0.64
Loose Stone Check Dam	Nos.	10	12050	1.21	1.21	0.06
Gabion Structure	Nos.	3	24600	0.74	0.74	0.04
Total				30.36	30.36	1.53
Grand Total				70.31	46.71	1.53
1. Production measure for Arable land						
Horticultural Plantation	Nos.	2810	131	3.68	3.68	0.74
Agroforestry	Nos.	1000	25	0.25	0.25	0.05
Vegetables	Nos.	100	1000	1.00	1.00	0.20
Crop Demonstration	Nos.	100	2000	2.00	2.00	0.40
Total				6.93	6.93	1.39
2. Live stock Development						
Breed Improvement	Nos.	1	35000	0.35	0.35	
Distribution of Chaff cutter	Nos.	10	6000	0.60	0.60	0.12
Distribution of Mangers	Nos.	20	500	0.10	0.10	0.02
Animal health kit to Cattle Rearer	Nos.	20	300	0.06	0.06	0.01
Fooder Demonstration	Nos.	6	1000	0.06	0.06	0.01
Animal health camps	Nos.	1	24000	0.24	0.24	
Total				1.41	1.41	0.16
				8.34	8.34	
3. Micro Enterprise (Livelihood) (9%)						
Financial assistance to SHG, Individual, Federations				7.51	7.51	0
Grand Total				34.19	34.19	1.55
D. Consolidation Phase (3 %)						
Grand Total				107.00	83.40	3.08

Chapter III Proposed Development Plan
Gram panchyat Khuri

208 12000 24.96

Activity	(A) Preparatory Phase Activities Capacity Bulging training & EPA						
	Unit	Qty	Unit Cost in Rs	Total Cost Lacs	Cost From Project Fund Lac	Convergence Fund Lacs	Beneficiary Contribution Lacs
Administration 10%				2.50	2.50		
Monitoring 1%				0.25	0.25		
Evaluation 1%				0.25	0.25		
EPA 4%				1.00	1.00		
I & CB 5%				1.25	1.25		
DPR 1%				0.25	0.25		
Total				5.50	5.50		
B					0.00		
Conservation Measures for arable land (56%)					0.00		
Vegetative contour Bund	M	3654	113	4.13	4.13		0.41
Waste weir		2	75900	1.52	1.52		0.15
Vegetative contour Bund with waste weir on SC/ST/BPL Farmer land through MGNREGA		24	35000	8.40	0.00	8.40	0.00
LCD	Nos.	1	12050	0.12	0.12		0.01
Bank Stabilization or Peripheral Bund	M	200	154.00	0.31	0.31		0.03
Farm Pond	Nos.	1	50000.00	0.50	0.00	0.50	0.60
Total				14.98	6.08		
Conservation Measures for Non arable land					0.00		

Pasture Development					0.00		
DCB	M		100	0.00	0.00		0.00
CVH	Nos.		5100	0.00	0.00		0.00
Loose Stone Check Dam	Nos.			0.00	0.00		0.00
Planation	Nos.		95	0.00	0.00		0.00
Talai	Nos.		344000	0.00	0.00		0.00
Total				0.00	0.00		0.00
Drainage Line treatment					0.00		
Run off Management Structure 40m	Nos.		1385000	0.00	0.00		0.00
Run off Management Structure 30 m	Nos.		1156000	0.00	0.00		0.00
Run off Management Structure 20 m	Nos.		945000	0.00	0.00		0.00
Run off Management Structure 15m	Nos.	0	840000	0.00	0.00		0.00
Run off Management Structure 10 m	Nos.	1	730000	7.30	7.30		0.37
Run off Management Structure 8 m	Nos.		636000	0.00	0.00		0.00
Loose Stone Check Dam	Nos.	5	12050	0.60	0.60		0.03
Gabion Structure	Nos.		24600	0.00	0.00		0.00
Total				7.90	7.90		0.40
Grand Total				22.88	13.98		0.40
1. Production measure for Arable land							
Horticultural Plantation	Nos.	250	131	0.33	0.33		0.07
Agroforestry	Nos.	650	25	0.16	0.16		0.03
Vegetables	Nos.	25	1000	0.25	0.25		0.05
Crop Demonstration	Nos.	25	2000	0.50	0.50		0.10
Total				1.24	1.24		0.25
2. Live stock Development							

Breed Improvement	Nos.	1	35000	0.35	0.35		
Distribution of Chaff cutter	Nos.	5	6000	0.30	0.30		0.06
Distribution of Mangers	Nos.	25	500	0.13	0.13		0.03
Animal health kit to Cattle Rearer	Nos.	50	300	0.15	0.15		0.03
Fooder Demonstration	Nos.	10	1000	0.10	0.10		0.02
Animal health camps	Nos.	1	24000	0.24	0.24		
Total				1.27	1.27		0.14
				2.51	2.51		
3.Micro Enterprise (Livelihood) (9%)							
Financial assistance to SHG,Individual,Federations				2.23	2.23		0
Grand Total				10.24	10.24		0.39
D.Consolidation Phase (3 %)							
				0.75	0.75		0.00
Grand Total				33.86	24.96		0.79

Chapter III Proposed Development Plan Gram panchyat Mermachah

203 12000 24.36

Activity	(A) Preparatory Phase Activities Capacity Bulging training & EPA						
	Unit	Qty	Unit Cost in Rs	Total Cost Lacs	Cost From Project Fund Lac	Convergence Fund Lacs	Beneficiary Contribution Lacs
Administration 10%				2.44	2.44		
Monitoring 1%				0.24	0.24		
Evaluation 1%				0.24	0.24		
EPA 4%				0.97	0.97		
I & CB 5%				1.22	1.22		
DPR 1%				0.24	0.24		
Total				5.35	5.35		
B					0.00		
Conservation Measures for arable land (56%)					0.00		
Vegetative contour Bund	M	3998	113	4.52	4.52		0.45
Waste weir		1	75900	0.76	0.76		0.08
Vegetative contour Bund with waste weir on SC/ST/BPL Farmer land through MGNREGA		19	35000	6.65	0.00	6.65	0.00
LCD	Nos.	5	12050	0.60	0.60		0.06
Bank Stabilization or Peripheral Bund	M	300	154.00	0.46	0.46		0.05
Farm Pond	Nos.	1	50000.00	0.50	0.00	0.50	0.64
Total				13.49	6.34		
Conservation Measures for Non arable land					0.00		

Pasture Development					0.00		
DCB	M		100	0.00	0.00		0.00
CVH	Nos.		5100	0.00	0.00		0.00
Loose Stone Check Dam	Nos.			0.00	0.00		0.00
Planation	Nos.		95	0.00	0.00		0.00
Talai	Nos.		344000	0.00	0.00		0.00
Total				0.00	0.00		0.00
Drainage Line treatment					0.00		
Run off Management Structure 40m	Nos.		1385000	0.00	0.00		0.00
Run off Management Structure 30 m	Nos.		1156000	0.00	0.00		0.00
Run off Management Structure 20 m	Nos.		945000	0.00	0.00		0.00
Run off Management Structure 15m	Nos.		840000	0.00	0.00		0.00
Run off Management Structure 10 m	Nos.	1	730000	7.30	7.30		0.37
Run off Management Structure 8 m	Nos.		636000	0.00	0.00		0.00
Loose Stone Check Dam	Nos.		12050	0.00	0.00		0.00
Gabion Structure	Nos.		24600	0.00	0.00		0.00
Total				7.30	7.30		0.37
Grand Total				20.79	13.64		0.37
1. Production measure for Arable land							
Horticultural Plantation	Nos.	150	131	0.20	0.20		0.04
Agroforestry	Nos.	260	25	0.07	0.07		0.01
Vegetables	Nos.	25	1000	0.25	0.25		0.05
Crop Demonstration	Nos.	25	2000	0.50	0.50		0.10
Total				1.01	1.01		0.20

2. Live stock Development						
Breed Improvement	Nos.	1	35000	0.35	0.35	
Distribution of Chaff cutter	Nos.	5	6000	0.30	0.30	0.06
Distribution of Mangers	Nos.	50	500	0.25	0.25	0.05
Animal health kit to Cattle Rearer	Nos.	150	300	0.45	0.45	0.09
Fooder Demonstration	Nos.	7	1000	0.07	0.07	0.01
Animal health camps	Nos.	0	24000	0.00	0.00	
Total				1.42	1.42	0.21
				2.43	2.43	
3. Micro Enterprise (Livelihood) (9%)						
Financial assistance to SHG,Individual,Federations				2.21	2.21	0
Grand Total				9.99	9.99	0.41
D.Consolidation Phase (3 %)						
				0.73	0.73	0.00
Grand Total				31.51	24.36	0.78

Chapter III Proposed Development Plan Gram panchyat Antana

445 12000 53.4

Activity	(A) Preparatory Phase Activities Capacity Bulging training & EPA						
	Uinit	Qty	Uinit Cost in Rs	Total Cost Lacs	Cost From Project Fund Lac	Convergnce Fund Lacs	Beneficiary Contribution Lacs
Administration 10%				5.34	5.34		
Monitoring 1%				0.53	0.53		
Evaluation 1%				0.53	0.53		
EPA 4%				2.14	2.14		
I & CB 5%				2.67	2.67		
DPR 1%				0.53	0.53		
Total				11.74	11.74		
B					0.00		
Conservation Measures for arable land (56%)					0.00		
Vegetative contour Bund	M	6404	113	7.24	7.24		0.72
Waste weir		3	75900	2.28	2.28		0.23
Vegetative contour Bund with waste weir on SC/ST/BPL Farmer land through MGNREGA		67	35000	23.45	0.00	23.45	0.00
LCD	Nos.	3	12050	0.36	0.36		0.04
Bank Stabilization or Peripheral Bund	M	2000	154.00	3.08	3.08		0.31
Farm Pond	Nos.	2	50000.00	1.00	0.00	1.00	1.30
Total				37.41	12.96		
Conservation Measures for Non arable land					0.00		

Pasture Development					0.00		
DCB	M		100	0.00	0.00		0.00
CVH	Nos.		5100	0.00	0.00		0.00
Loose Stone Check Dam	Nos.			0.00	0.00		0.00
Planation	Nos.		95	0.00	0.00		0.00
Talai	Nos.		344000	0.00	0.00		0.00
Total				0.00	0.00		0.00
Drainage Line treatment					0.00		
Run off Management Structure 40m	Nos.		1385000	0.00	0.00		0.00
Run off Management Structure 30 m	Nos.		1156000	0.00	0.00		0.00
Run off Management Structure 20 m	Nos.		945000	0.00	0.00		0.00
Run off Management Structure 15m	Nos.	1	840000	8.40	8.40		0.42
Run off Management Structure 10 m	Nos.		730000	0.00	0.00		0.00
Run off Management Structure 8 m	Nos.	1	636000	6.36	6.36		0.32
Loose Stone Check Dam	Nos.	10	12050	1.21	1.21		0.06
Gabion Structure	Nos.	4	24600	0.98	0.98		0.05
Total				16.95	16.95		0.85
Grand Total				54.35	29.90		0.85
1. Production measure for Arable land							
Horticultural Plantation	Nos.	250	131	0.33	0.33		0.07
Agroforestry	Nos.	500	25	0.13	0.13		0.03
Vegetables	Nos.	60	1000	0.60	0.60		0.12
Crop Demonstration	Nos.	50	2000	1.00	1.00		0.20
Total				2.05	2.05		0.42
2. Live stock Development							
Breed Improvement	Nos.	1	35000	0.35	0.35		
Distribution of Chaff cutter	Nos.	20	6000	1.20	1.20		0.24
Distribution of Mangers	Nos.	162	500	0.81	0.81		0.16

Animal health kit to Cattle Rearer	Nos.	160	300	0.48	0.48	0.10
Fooder Demonstration	Nos.	20	1000	0.20	0.20	0.04
Animal health camps	Nos.	1	24000	0.24	0.24	
Total				3.28	3.28	0.54
				5.33	5.33	
3. Micro Enterprise (Livelihood) (9%)						
Financial assistance to SHG,Individual,Federations				4.82	4.82	0
Grand Total				21.89	21.89	0.96
D.Consolidation Phase (3 %)				1.60	1.60	0.00
Grand Total				77.85	53.40	1.81

Chapter III Proposed Development Plan Gram panchyat Bamori

696 12000 83.52

Activity	(A) Preparatory Phase Activities Capacity Building training & EPA						
	Unit	Qty	Unit Cost in Rs	Total Cost Lacs	Cost From Project Fund Lac	Convergnce Fund Lacs	Beneficiary Contribution Lacs
Administration 10%				8.35	8.35		
Monitoring 1%				0.84	0.84		
Evaluation 1%				0.84	0.84		
EPA 4%				3.34	3.34		
I &CB 5%				4.18	4.18		
DPR 1%				0.84	0.84		
Total				18.39	18.39		
B					0.00		
Conservation Measures for arable land (56%)					0.00		
Vegetative contour Bund	M	6016	113	6.80	6.80		0.68
Waste weir		3	75900	2.28	2.28		0.23
Vegetative contour Bund with waste weir on SC/ST/BPL Farmer land through MGNREGA		102	35000	35.70	0.00	35.70	0.00
LCD	Nos.	4	12050	0.48	0.48		0.05
Bank Stabilization or Peripheral Bund	M	1500	154.00	2.31	2.31		0.23
Farm Pond	Nos.	2	50000.00	1.00	0.00	1.00	1.19
Total				48.57	11.87		
Conservation Measures for Non arable land					0.00		
Pasture Development					0.00		
DCB	M		100	0.00	0.00		0.00
CVH	Nos.		5100	0.00	0.00		0.00
Loose Stone Check Dam	Nos.			0.00	0.00		0.00
Planation	Nos.		95	0.00	0.00		0.00
Talai	Nos.		344000	0.00	0.00		0.00

Total				0.00	0.00		0.00
Drainage Line treatment					0.00		
Run off Management Structure 40m	Nos.		1385000	0.00	0.00		0.00
Run off Management Structure 30 m	Nos.		1156000	0.00	0.00		0.00
Run off Management Structure 20 m	Nos.	1	945000	9.45	9.45		0.47
Run off Management Structure 15m	Nos.	1	840000	8.40	8.40		0.42
Run off Management Structure 10 m	Nos.	1	730000	7.30	7.30		0.37
Run off Management Structure 8 m	Nos.	1	636000	6.36	6.36		0.32
Loose Stone Check Dam	Nos.	20	12050	2.41	2.41		0.12
Gabion Structure	Nos.	4	24600	0.98	0.98		0.05
Total				34.90	34.90		1.75
Grand Total				83.47	46.77		1.75
1. Production measure for Arable land							
Horticultural Plantation	Nos.	1720	131	2.25	2.25		0.45
Agroforestry	Nos.	1500	25	0.38	0.38		0.08
Vegetables	Nos.	129	1000	1.29	1.29		0.26
Crop Demonstration	Nos.	100	2000	2.00	2.00		0.40
Total				5.92	5.92		1.19
2. Live stock Development							
Breed Improvement	Nos.	2	35000	0.70	0.70		
Distribution of Chaff cutter	Nos.	10	6000	0.60	0.60		0.12
Distribution of Mangers	Nos.	50	500	0.25	0.25		0.05
Animal health kit to Cattle Rearer	Nos.	50	300	0.15	0.15		0.03
Fooder Demonstration	Nos.	50	1000	0.50	0.50		0.10
Animal health camps	Nos.	1	24000	0.24	0.24		
Total				2.44	2.44		0.30
				8.36	8.36		
3. Micro Enterprise (Livelihood) (9%)							
Financial assistance to SHG, Individual, Federations				7.50	7.50		0
Grand Total				34.25	34.25		1.49
D. Consolidation Phase (3 %)				2.51	2.51		0.00
Grand Total				120.22	83.52		3.24

Chapter III Proposed Development Plan Gram panchyat Bhesda

1763 12000 211.56

Activity	(A) Preparatory Phase Activities Capacity Building training & EPA						
	Unit	Qty	Unit Cost in Rs	Total Cost Lacs	Cost From Project Fund Lac	Convergence Fund Lacs	Beneficiary Contribution Lacs
Administration 10%				21.16	21.16		
Monitoring 1%				2.12	2.12		
Evaluation 1%				2.12	2.12		
EPA 4%				8.46	8.46		
I & CB 5%				10.58	10.58		
DPR 1%				2.12	2.12		
Total				46.56	46.56		
B					0.00		
Conservation Measures for arable land (56%)					0.00		
Vegetative contour Bund	M	28268.7	113	31.94	31.94		3.19
Waste weir		10	75900	7.59	7.59		0.76
Vegetative contour Bund with waste weir on SC/ST/BPL Farmer land through MGNREGA		144	35000	50.40	0.00	50.40	0.00
LCD	Nos.	10	12050	1.21	1.21		0.12
Bank Stabilization or Peripheral Bund	M	3000	154.00	4.62	4.62		0.46
Farm Pond	Nos.	4	50000.00	2.00	0.00	2.00	4.53
Total				97.76	45.36		
Conservation Measures for Non arable land					0.00		
Pasture Development					0.00		
DCB	M	1200	100	1.20	1.20		0.06

CVH	Nos.	10	5100	0.51	0.51	0.03
Loose Stone Check Dam	Nos.			0.00	0.00	0.00
Planation	Nos.	4000	95	3.80	3.80	0.19
Talai	Nos.	1	344000	3.44	3.44	0.17
Total				8.95	8.95	0.45
Drainage Line treatment					0.00	
Run off Management Structure 40m	Nos.		1385000	0.00	0.00	0.00
Run off Management Structure 30 m	Nos.	1	1156000	11.56	11.56	0.58
Run off Management Structure 20 m	Nos.	0	945000	0.00	0.00	0.00
Run off Management Structure 15m	Nos.	2	840000	16.80	16.80	0.84
Run off Management Structure 10 m	Nos.	2	730000	14.60	14.60	0.73
Run off Management Structure 8 m	Nos.	2	636000	12.72	12.72	0.64
Loose Stone Check Dam	Nos.	50	12050	6.03	6.03	0.30
Gabion Structure	Nos.	10	24600	2.46	2.46	0.12
Total				64.17	64.17	3.21
Grand Total				170.87	118.47	3.66
1. Production measure for Arable land						
Horticultural Plantation	Nos.	4619	131	6.05	6.05	1.21
Agroforestry	Nos.	2000	25	0.50	0.50	0.10
Vegetables	Nos.	200	1000	2.00	2.00	0.40
Crop Demonstration	Nos.	200	2000	4.00	4.00	0.80
Total				12.55	12.55	2.51
2. Live stock Development						
Breed Improvement	Nos.	2	35000	0.70	0.70	
Distribution of Chaff cutter	Nos.	50	6000	3.00	3.00	0.60
Distribution of Mangers	Nos.	185	500	0.93	0.93	0.19

Animal health kit to Cattle Rearer	Nos.	500	300	1.50	1.50	0.30
Fooder Demonstration	Nos.	200	1000	2.00	2.00	0.40
Animal health camps	Nos.	2	24000	0.48	0.48	
Total				8.61	8.61	1.49
				21.16	21.16	
3.Micro Enterprise (Livelihood) (9%)						
Financial assistance to SHG,Individual,Federations				19.02	19.02	0
Grand Total				86.74	86.74	4.00
D.Consolidation Phase (3 %)				6.35	6.35	0.00
Grand Total				263.96	211.56	7.66

Chapter IV

Activitywise Total Project Cost

Chapter IV Proposed Development Plan PROJECT TOTAL

Activity	(A) Preparatory Phase Activities Capacity Building training & EPA						
	Unit	Qty	Unit Cost in Rs	Total Cost Lacs	Cost From Project Fund Lac	Convergence Fund Lacs	Beneficiary Contribution Lacs
Administration 10%	0	0		77.83	77.83	0.00	0.00
Monitoring 1%	0	0		7.78	7.78	0.00	0.00
Evaluation 1%	0	0		7.78	7.78	0.00	0.00
EPA 4%	0	0		31.13	31.13	0.00	0.00
I & CB 5%	0	0		38.90	38.90	0.00	0.00
DPR 1%	0	0		7.78	7.78	0.00	0.00
Total	0	0		171.20	171.20	0.00	0.00
B		0		0.00	0.00	0.00	0.00
Conservation Measures for arable land (56%)		0		0.00	0.00	0.00	0.00
Vegetative contour Bund	M	88081.7	113	99.53	99.53	0.00	9.94
Waste weir		30	75900	22.77	22.77	0.00	2.28
Vegetative contour Bund with waste weir on SC/ST/BPL Farmer land through MGNREGA		625	35000	218.75	0.00	218.75	0.00
A. masonry Structure AND LSCD	Nos.	63	12050	7.59	7.59	0.00	0.76
Bank Stabilization on Peripheral Bund	KM	17000	154.00	26.18	26.18	0.00	2.62
Farm Pond	Nos.	16	50000.00	8.00	0.00	8.00	15.60
Total		0		382.82	156.07	0.00	0.00
Conservation Measures for Non arable land		0		0.00	0.00	0.00	0.00

Pasture Development		0		0.00	0.00	0.00	0.00
DCB	Ha.	1200	100	1.20	1.20	0.00	0.06
CVH	Nos.	10	5100	0.51	0.51	0.00	0.03
Loose Stone Check Dam	Nos.	0		0.00	0.00	0.00	0.00
Planation	KM	4000	95	3.80	3.80	0.00	0.19
		2	344000	6.88	6.88	0.00	0.34
Total		0		12.39	12.39	0.00	0.62
Drainage Line treatment		0		0.00	0.00	0.00	0.00
Run off Management Structure 40m	Nos.	1	1385000	13.85	13.85	0.00	0.69
Run off Management Structure 30 m	Nos.	2	1156000	23.12	23.12	0.00	1.16
Run off Management Structure 20 m	Nos.	3	945000	28.35	28.35	0.00	1.41
Run off Management Structure 15m	Nos.	7	840000	58.80	58.80	0.00	2.94
Run off Management Structure 10 m	Nos.	9	730000	65.70	65.70	0.00	3.31
Run off Management Structure 8 m	Nos.	9	636000	57.24	57.24	0.00	2.88
Loose Stone Check Dam	Nos.	115	12050	13.86	13.87	0.00	0.69
Gabion Structure	Nos.	26	24600	6.40	6.40	0.00	0.32
Total		0		267.31	267.31	0.00	13.40
Grand Total		0		662.53	435.79	0.00	14.02
1. Production measure for Arable land							
Horticultural Plantation	Nos.	18194	131	23.83	23.83	0.00	4.78
Agroforestry	Nos.	9610	25	2.40	2.40	0.00	0.49
Vegetables	Nos.	919	1000	9.19	9.19	0.00	1.84
Crop Demonstration	Nos.	800	2000	16.00	16.00	0.00	3.20
Total		0		51.43	51.43	0.00	10.31
2. Live stock Development							
Breed Improvement	Nos.	12	35000	4.20	4.20	0.00	0.00
Distribution of Chaff cutter	Nos.	120	6000	7.20	7.20	0.00	1.44

Distribution of Mangers	Nos.	712	500	3.56	3.56	0.00	0.72
Animal health kit to Cattle Rearer	Nos.	1194	300	3.58	3.58	0.00	0.71
Fooder Demonstration	Nos.	593	1000	5.93	5.93	0.00	1.18
Animal health camps	Nos.	8	24000	1.92	1.92	0.00	0.00
Total		0		26.39	26.39	0.00	4.05
		0		77.82	77.82	0.00	0.00
3. Micro Enterprise (Livelihood) (9%)							
Financial assistance to SHG, Individual, Federations			0	70.04	70.04	0.00	0.00
D. Consolidation Phase (3 %)							
	0	0	0	23.34	23.34	0.00	0.00
	0	0	0	1004.93	778.20	0.00	28.38

Chapter V

Activitywise Total Project Cost

ANNUAL ACTION PLAN PHYSICAL & FINANCIAL OF IWMP - V (ATRU), PANCHAYAT SAMITI, ATRU
Chapter - V ANNUAL ACTION PLAN (THROUGH PROJECT FUND)

778.20

Activity	Unit	Qty	Unit Cost in Rs	Total Cost Lacs	1st Year		2nd Year		3rd Year		4th Year		5th Year		6th Year		7th Year		Total Cost From Project Fund (Lacs)	
					Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
Administration 10%	0	0	0	77.83	0	7.78	0	7.78	--	14.01	--	14.01	--	14.01	--	14.01	--	6.24	--	77.83
Monitoring 1%	0	0	0	7.78	0	0.78	0	0.78	--	0.78	--	1.17	--	1.17	--	1.56	--	1.56	--	7.78
Evaluation 1%	0	0	0	7.78	0	0.78	0	0.78	--	0.78	--	1.17	--	1.17	--	1.56	--	1.56	--	7.78
EPA 4%	0	0	0	31.13	0	15.56	0	15.56	--	0.00	--	0.00	--	0.00	--	0.00	--	0.00	--	31.13
I &CB 5%	0	0	0	38.90	0	11.67	0	11.67	--	3.89	--	3.89	--	3.89	--	3.90	--	0.00	--	38.92
DPR 1%	0	0	0	7.78	0	1.95	0	5.84	--	0.00	--	0.00	--	0.00	--	0.00	--	0.00	--	7.78
Total	0	0	0	171.20		38.52		42.41		19.46		20.23		20.23		21.02	0.00	9.35		171.22
B					0		0													
Conservation Measures for arable land (56%)					0		0													
Vegetative contour Bund	M	88081.7	113	99.53	0	0.00	0	0.00	20000	22.60	20000	22.60000	20000	22.60	28082	31.73	0	0.00	88082	99.53
Waste weir	0	30	75900	22.77	0	0.00	0	0.00	5	3.80	5	3.79500	10	7.59	10	7.59	0	0.00	30	22.77
A. masonry Structure AND LSCD	Nos.	63	12050	7.59	0	0.00	0	0.00	5	0.60	15	1.80750	20	2.41	23	2.77	0	0.00	63	7.59
Bank Stabilization on Peripheral Bund	KM	17000	154	26.18	0	0.00	0	0.00	2000	3.08	5000	7.70000	8000	12.32	2000	3.08	0	0.00	17000	26.18
Total	0	0	0	156.07		0		0		30.08		35.90		44.92		45.17		0		156.07
Conservation Measures for Non arable land	0	0	0	0.00	0	0.00	0	0.00		0.00		0.00		0.00	0	0.00	0	0.00		0.00
Pasture Development	0	0	0	0.00	0	0.00	0	0.00		0.00		0.00		0.00	0	0.00	0	0.00		0.00
DCB	Ha.	1200	100	1.20	0	0.00	0	0.00	1200	1.20		0.00		0.00	0	0.00	0	0.00	1200	1.20
CVH	Nos.	10	5100	0.51	0	0.00	0	0.00	10	0.51		0.00		0.00	0	0.00	0	0.00	10	0.51
Loose Stone Check Dam	Nos.	0	0	0.00	0	0.00	0	0.00		0.00		0.00		0.00	0	0.00	0	0.00	0	0.00
Planation	KM	4000	95	3.80					4000	3.80		0.00		0.00	0	0.00				3.80

talai	0	2	344000	6.88	0	0.00	0	0.00	0	0.00	0	0.00	1	3.44	1	3.44	0	0.00	1210	6.88
Total	0	0	0	12.39		0		0		5.51		0.00		3.44		3.44		0		12.39
Drainage Line treatment																				
Run off Management Structure 40m	Nos.	1	1385000	13.85	0	0.00	0	0.00	0	0.00	1	13.85		0.00	0	0.00	0	0.00	1	13.85
Run off Management Structure 30 m	Nos.	2	1156000	23.12	0	0.00	0	0.00	0	0.00	1	11.56	1	11.56	0	0.00	0	0.00	2	23.12
Run off Management Structure 20 m	Nos.	3	945000	28.35	0	0.00	0	0.00	0	0.00	2	18.90		0.00	1	9.45	0	0.00	3	28.35
Run off Management Structure 15m	Nos.	7	840000	58.80	0	0.00	0	0.00		0.00		0.00		0.00	7	58.80	0	0.00	7	58.80
Run off Management Structure 10 m	Nos.	9	730000	65.70	0	0.00	0	0.00	4	29.20	3	21.90		0.00	2	14.60	0	0.00	9	65.70
Run off Management Structure 8 m	Nos.	9	636000	57.24	0	0.00	0	0.00	2	12.72	2	12.72	2	12.72	3	19.08	0	0.00	9	57.24
Loose Stone Check Dam	Nos.	115	12050	13.86	0	0.00	0	0.00	20	2.41	40	4.82	40	4.82	15	1.81	0	0.00	31	13.86
Gabion Structure	Nos.	26	24600	6.40	0	0.00	0	0.00	0	0.00	15	3.69	10	2.46	1	0.25	0	0.00	49	6.40
Total	0	0	0	267.31		0		0		44.33		87.44		31.56		103.98		0		267.31
Grand Total	0	0	0	435.79	0	0	0	0		79.92	0		0	79.92	0	152.60	0	0	0	435.78
1. Production measure for Arable land																				
Horticultural Plantation	Nos.	18194	131	23.83	0	0.00	0	0.00	4000	5.24		0.00	10000	13.10	4194	5.49	0	0.00	18194	23.83
Agroforestry	Nos.	9610	25	2.40	0	0.00	0	0.00	4000	1.00	3000	0.75	2610	0.65	0	0.00	0	0.00	9610	2.40
Vegetables	Nos.	919	1000	9.19	0	0.00	0	0.00	200	2.00	200	2.00	400	4.00	119	1.19	0	0.00	919	9.19
Crop Demonstration	Nos.	800	2000.00	16.00	0.00	0.00	0.00	0.00	200	4.00	200	4.00	200	4.00	200	4.00	0	0.00	28723	16.00
Total	0	0	0.00	51.43		0.00		0.00		12.24		6.75		21.75		10.68		0.00		51.43
2. Live stock Development																				
Breed Improvement	Nos.	12	35000	4.20	0	0.00	0	0.00	4	1.40	4	1.40	4	1.40	0	0.00	0	0.00	12	4.20
Distribution of Chaff cutter	Nos.	120	6000	7.20	0	0.00	0	0.00	20	1.20	40	2.40	40	2.40	20	1.20	0	0.00	12	7.20
Distribution of Mangers	Nos.	712	500	3.56	0	0.00	0	0.00		0.00	400	2.00	312	1.56	0	0.00	0	0.00	712	3.56
Animal health kit to Cattle Rearer	Nos.	1194	300	3.58	0	0.00	0	0.00		0.00	500	1.50	694	2.08	0	0.00	0	0.00	1194	3.58
Fooder Demonstration	Nos.	593	1000	5.93	0	0.00	0	0.00	100	1.00	100	1.00	100	1.00	293	2.93	0	0.00	593	5.93

Animal health camps	Nos.	8	24000	1.92	0	0.00	0	0.00	2	0.48	2	0.48	2	0.48	2	0.48	0	0.00	2523	1.92
Total	0	0	0	26.39		0.00		0.00		4.08		8.78		8.92		4.61		0.00		26.39
	0			77.82	0.00	0.00	0.00	0.00	0	16.32	0	15.53	0	30.67	0	15.29	0	0.00	0	77.82
3. Micro Enterprise (Livelihood) (9%)																				
Financial assistance to SHG, Individual, Federations	0	0	0	70.04		0		0		0.00		14.50		37		18.54		0		70.04
	0	0	0	754.85	0.00	38.52	0.00	42.41	0	115.69	0	50.26	0	167.83	0	207.45	0	9.35	0	631.52
D. Consolidation Phase (3 %)	0	0	0	23.34								0.00		0.00	0	0.00		23.346		23.35
	0	0	0	778.20								-		0.00	0	0.00				778.20

Chapter - VI

EXPECTED OUT COMES

EXPECTED OUT COMES

S. No.	Item	Unit of measurement	Pre-project Status	Expected Post-project Status	Remarks
1	Status of water table (Depth to Ground water level)	Meters	60-100	50-85	
2	Ground water structures repaired/ rejuvenated	No.	10	45	
3	Quality of drinking water	Description	Good	Good	
4	Availability of drinking water	Description	8 Months	12 Months	Availability only for 240 days & try to meet out the demand
5	Change in irrigated Area	Ha	1205	1622	
6	Change in cropping/ land use pattern	Description	Single Crop will be double crop & also try to make under multiple cropping		
7	Area under agricultural crop	Ha	4390.00	4510	
	I Area under single crop	Ha	3185	2703	
	li Area under double crop	Ha	1205	1807	
	lii Area under multiple crop	Ha	-	-	
8	Change in cultivated Area	Ha	-	500	
9 yield of major crops	Yield of Soyabean	q/ha	9.25	12.50	
	Yield of Wheat	q/ha	31.00	42.00	

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of area	Yield of Gram	q/ha	5.50	7.50	
	Yield of Mustard	q/ha	13.50	15.00	
10 production of major crops of area	Production of Maize	ton	146.60	170.00	
	Production of Wheat	ton	3373.40	3700.00	
	Production of Gram	ton	14.30	18.00	
	Production of Mustard	ton	2011.80	1750.00	
11	Area under vegetation	Ha		62.00	
12	Area under horticulture	Ha	3.05	78.00	
13	Area under fuel	Ha	117.00	135.00	
14	Area under Fodder	Ha	45.00	90.00	
15	Fodder production	Q	900.00	2150.00	
16	Milk production	Litres/day	3698.30.00	4550.00	
17	SHGs Active	No.	50.00	60.00	
18	No. of livelihoods	No.	327.00	450.00	
19	Income	Rs. In Lac	105.89	120.00	
20	Migration	No.	233	150.00	
21	SHG Federations formed	No.	0.00	10.00	

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 VII

Designs and Estimates

Abstract of Cost and Detailed Estimate (Model)

Name of work : Construction of Bunding on Arable Land

Estimated Length 100.00 metre / ha

X- section 1.28 sqm

S.No.	Item	Measurement				Qty	Unit	Rate	Amount
		No	L	B	H				
1	Dagbelling 5 cm to 7.5 cm								
	2	100			200.00		1.25	250.00	
2	Eathwork bund in hard Soil including compaction in 15 Cm layers etc. lift up to 1.5 m and lead 50 m.								
	1	100.00	4.27	0.30	128.10	cum	85.00	10888.50	

3	Cost of Stylo Hameta Seed (0.2 Kg /100 m)							
	3	100.00	0.20		0.60	rm	30.00	18.00
4	Sowing of Grass stylo Hameta							
	3	100.00			300.00	rm	0.44	132.00

11288.50

say 113/-
per m

Abstract of Cost and Detailed Estimate (Model)

Name of work :

Construction of Bunding on Arable Land

Design of Vegetative Bund

Average Slope of Land %

% S = 2

Soil Type

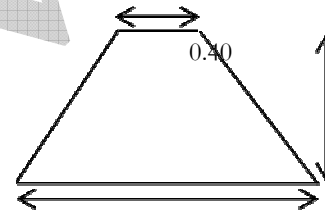
Loamy Sand/Clay/black Cotton Soil

Side Slope of Bund

1.5 : 1

Slope of Seepage Line

5 : 1



0.80

Maximum 24 Hrs rainfall for 10 year of recurrence interval

20 cm

Infiltration Capacity

40%

2.80

Spacing of Contour vegetative bunds

Vertical Interval V.I.

1. C.E. Ramsar 's Formula

$$= 0.305(S X+Y)$$

X = Rainfall Factor for Scanty rainfall region = 0.80

V.I.

$$= 0.305(S \times 0.8+1)$$

Y = Soil infiltration & Vegetative cover factor = 1.0
(for Below average, Low coverage area)

$$= 0.79$$

So V.I. considered

$$= 0.80$$

m

Horizontal Interval H.I.

$$\begin{aligned} \text{H.I.} &= \text{V.I./S} \times 100 \\ &= 0.8 \times 100 / 2 \\ &= 40.00 \end{aligned}$$

Say = 40.00 m

Note

1. 20 % deviation in V.I. To accommodate field boundaries
2. 25 % extra spacing for soil having high infiltration and permeability
3. 15 % less spacing for soils having low infiltration and unfavourable crops

Depth of impounding

$$h = (\text{Re} \times \text{V.I.} / 50)^{1/2}$$

$$\text{Or } h = (12 \times 0.80 / 50)^{1/2}$$

$$= 0.44$$

Say **0.50 m**

$$\text{Re} = 24 \text{ Hrs rainfall excess in cm for 10 yrs recurrence interval}$$

$$= \text{rainfall} - \text{infiltration interception}$$

$$= 20 - 8 \text{ (40 \% of 20 cm)}$$

$$= 12 \text{ cm}$$

Height of bunds

Height of impounding + depth of flow over wastewear + free board

$$(0.5+0.15+0.15) = 0.80 \text{ m}$$

Cross Section of bund

Top width = Ht of bund / 2

$$= (0.8)/2$$

$$0.400 \text{ m}$$

Say **0.40** m

$$\text{Bottom width} = 0.4+2(1.5 \times 0.8)$$

$$= 2.80 \text{ m}$$

$$\text{Cross section} = (0.4+2.8)/2 \times 0.8$$

$$= 1.28 \text{ m}^2$$

Note :

Lateral Bunds at interval of around 100 m

Side Bunds / hooks at both the ends

Stone Pitching at the end be provided for safe disposal of excess water

Abstract of Cost and Detailed Estimate (Model)

Name of work :

Construction of farm pond

Assumption

Top 15.00 15.00 m
 Bottom 9.00 x 4.50 m

Depth 3.00 m

1 Average catchment 2.0 ha

2 Avg. rainfall 375 mm

3 Average Rainfall 15 "

4 Exp. yield of runoff 'Q' from the catchment area from

15" for average catchment is = 2.457 mcf / Sqmile

i.e. $Q = \frac{2.457 \times 10000 \times 0.0283}{2}$

Yield = 537 Cum

i.e. 5.37 Lac litre

S.No.	Item				Qty	Unit	Rate	Amount
	NO.	L	B	H				
1	Cutting of top soil upto 15 cm depth and disposal of sil upto lead 50m and lift 1.5m							
	1	15.00	15		225.00			

					225.00	sqm	5.20	1170.00
2	Dag beiling 2-5 cm deep							
		4	15.00		60.00			
		2	9.00		18.00			
		2	4.50		9.00			
					87.00	M	0.25	21.75
3	Earth work for bund in hard soil including 50m lead and 1.5m lift							
	Pond	$\frac{1}{6} \times (15 \times 15 + 4(12 \times 9.75) + 9 \times 4.5) \times 3$			366.75			
	Steps	(3/0.3)	$\times 1.5 \times 0.3 \times 0.3/2$		0.68			
					367.43			
a	Hard soil		50%		183.71	M ³	85.00	15615.56
b	Disintregated rock		40%		146.97	M ³	134.00	19693.98
c	Ordinary rock		10%		36.74	M ³	178.00	6540.17
4	Add extra lift 1.5 m							
		$\frac{1}{6} \times (12 \times 9.75 + 4(10.5 \times 7.125) + 9 \times 4.5) \times 3$			228.38	M ³	11.00	2512.13
5	Excavation of earth in foundation							

	At side of Bund for safe Disposal of Exess Water	2	4.00	0.45	0.45	1.62	m ³		
	At slooes in pond	2	9.00	0.45	0.45	3.65	m ³		
	-- " " --	2	4.50	0.45	0.45	1.82	m ³		
						7.09	m ³		
a	hard soil					1.62	m ³	92.00	149.04
b	Disintegrated rock					5.47	m ³	134.00	732.65
6	Random rubble masonry in foundation in cement sand mortar 1:6 including curing etc								
	(Qty. as per item no. 5)					7.09	M ³	1611.00	11417.96
7	23 cm thick dry stone pitching								
	Over side of Bund for safe Disposal of Exess Water	2	4.00	3.00		24.00	M ²		
	Over side slopes in pond	1	12.00	3		36.00	M ²		
	-- " " --	1	12.00	8.08		96.96	M ²		

-- " " --	2	9.75	3		58.50	M ²			
Ded. For steps	-1	1.50	3		-4.50	M ²			
Treads	10	1.50	0.30		4.50	M ²			
Risers	10	1.50	0.30		4.50	M ³			
					219.96	M ²	235.00	51690.60	
								109543.83	
Total								109543.83	
								Say	110000.00

Farm pond	367.00	m ³
Bund	121.00	m ³
Total	488.00	m³

Abstract of Cost and Detailed Estimate (Model)

Name of work **Construction of LSCD ON Arable Land** (8x 0.6)

Assumptions : 1. Width of Nalla : 8.00 (May vary as per site condition)

2. Depth of Nallah : 1.05

3. Flow over crest + free board : 0.45

4. Wier section may vary as per Catchment area and specific site conditions.

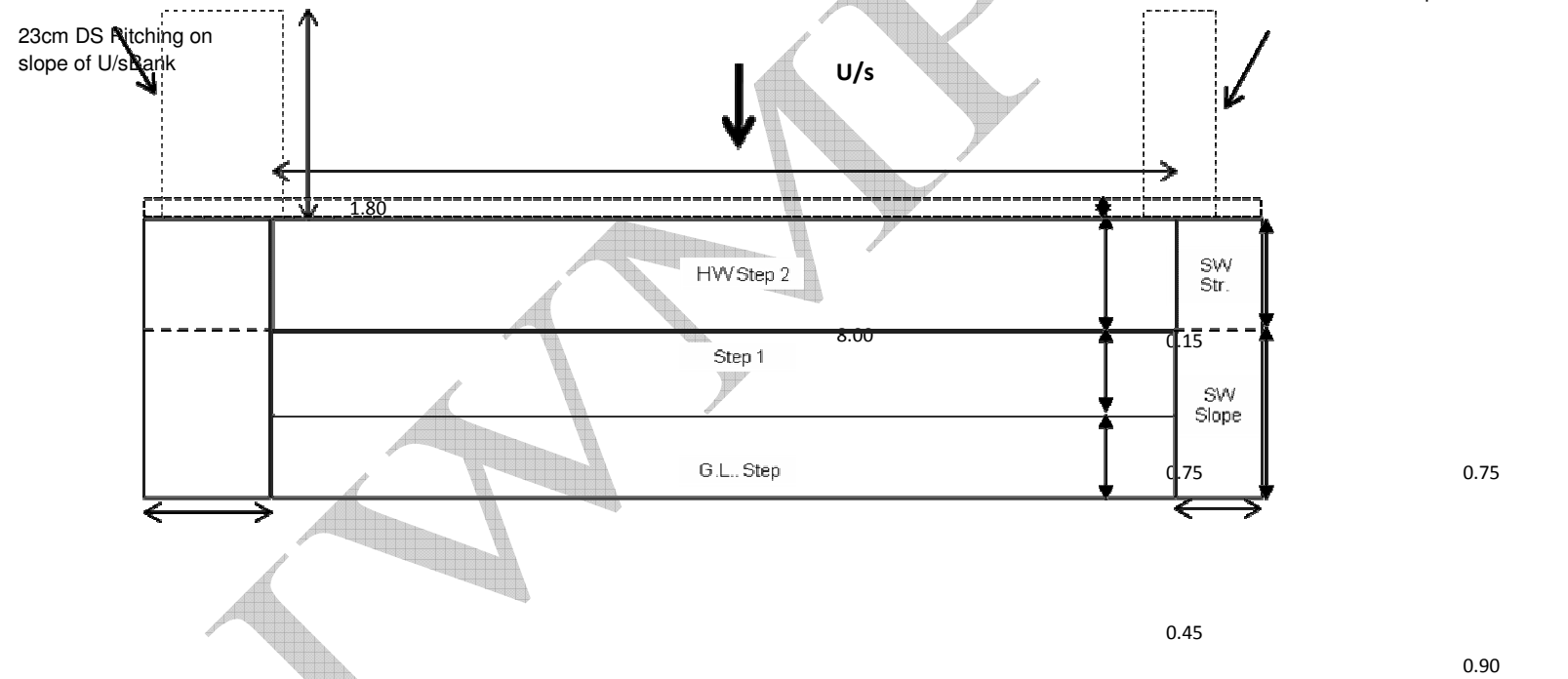
S.No.	Item	Measurement				Qty	Unit	Rate	Amount
		No	L	B	H				
1	earthwork in excavation in Hard soil in foundation including disposal of earth upto 50m & lift 1.5 m								
	HW	1	8.00	1.80	0.30	4.32			
	HW (Berm)	0.33	8.00	1.80	0.60	2.88			
	SW	2	1.80	0.60	0.30	0.65			
	SW (Berm)	2	1.80	0.60	1.05	2.27			

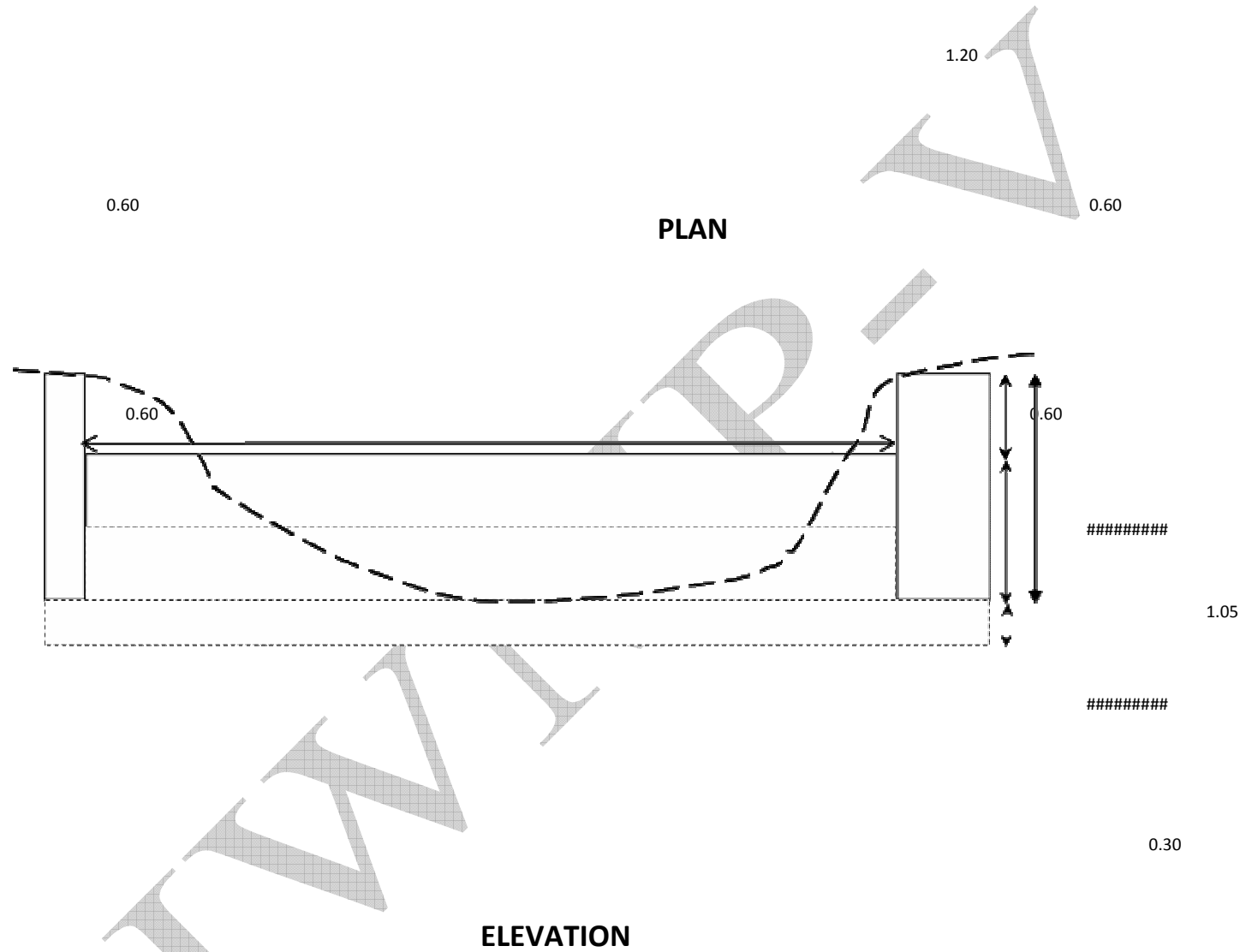
	Pitching TW	2	1.80	0.30	0.30	0.32			
						10.44	m3	92.00	960.48
2	Dry stone masonry in foundation and plinth								
	Foundation	1	8.00	1.80	0.30	4.32			
		2	1.80	0.60	0.30	0.65			
	HW Step 1	1	8.00	1.20	0.30	2.88			
	HW Step 2	1	8.00	0.75	0.30	1.80			
	SW strgt.	2	0.75	0.60	1.05	0.95			
	SW slope	2	0.90	0.60	0.75	0.81			
						11.41	m3	883.00	10075.03
3	Dry stone pitching for Apron								
	Pitching	2	1.80		1.20	4.32			
						4.32	m2	235.00	1015.20
Total									12050.71
Say									12050.00

U/s offset 0.15m

1.80

A Typical Cross-Section of LSCD





Abstract of cost and detailed Estimate (Model)

Name of Work - Construction of Waste Weir at Agriculture Land/Non arable land/DLT

Length of headwall **4 mtr**

S.No	Particulars	No	L	B	H	Quantity	Unit	Rate	Amount Rs
1	E/W in excavation for foundation in hard soil								
	HW	1	4.00	1.20	1.20	5.76			
	HW Ex	2	3.00	0.90	0.90	4.86			
	SW	2	3.00	0.90	0.90	4.86			
	Apron	1	4.00	3.00	0.60	7.20			
	TW	1	4.00	0.60	0.90	2.16			
						24.84	cum	92.00	2285.28
2	P/L C.C (1:4:8) with 40 MM. grit including curing etc								
	HW	1	4.00	1.20	0.30	1.44			
	HW Ex	2	3.00	0.90	0.30	1.62			
	SW	2	3.00	0.90	0.30	1.62			

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	Apron	1	4.00	3.00	0.20	2.40		
	TW	1	4.00	0.60	0.15	0.36		
						7.44	cum	2008.00
4	RR stone masonry in CM 1:6 for foundation & plinth							
	HW	1	4.00	1.20	0.90	4.32		
	HW Ex	2	3.00	0.90	0.60	3.24		
	SW	2	3.00	0.90	0.60	3.24		
	Apron	1	4.00	0.60	0.60	1.44		
	TW	1	4.00	0.45	0.30	0.54		
						12.78	cum	1611.00
5	RR stone masonry in superstructure CM (1:6)							
	HW	1	4.00	$(1.20+0.60)/2$	0.90	3.24		
	HW Ex	2	3.00	$(0.90+0.45)/2$	1.20	4.86		
	SW	2	3.00	$(1.20+0.60)/2$	0.90	4.86		

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						12.96	cum	1611.00	20878.56
6	RR Stone Kharanja with C M(1:6)								
	Apron	1	4.00	3.00		12.00	sqm	267.00	3204.00
7	50 MM thick Cement Concret 1:2:4 mixed with 12 MM aggregate size in coping								
	HW	1	4.00	0.60		2.40			
	HW Ex	2	3.00	0.45		2.70			
	SW	2	3.00	0.45		2.70			
	TW	1	4.00	0.32		1.28			
						9.08	sqm	297.00	2696.76
8	20 MM thick Cement plaster in CM (1:4)								
	HW	2	4.00		0.90	7.20			
	HW Ex	4	3.00		1.20	14.40			
	SW	4	3.00		0.90	10.80			
	TW	2	4.00		0.30	2.40			
						34.80	sqm	104.00	3619.20

										Total	68211.90
										Say	75900.00

Abstract of Cost and Detailed Estimate (Model)

Name of Work - Construction of Bund for Nala Bank Stabilization

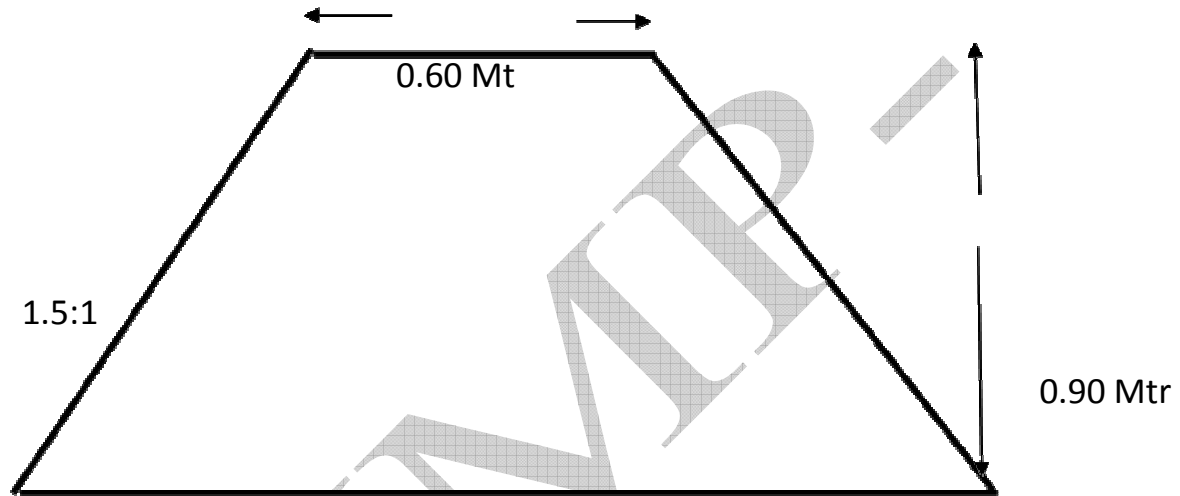
S.No	Particulars	No	Length	Width, m	Height, m	Quantity	Unit	Rate *	Amount Rs
1	Dag Belling 5 Cm to 7.5 Cm	2	100.00			200.00	Prm.	0.25	50.00
2	Earthwork excavation in hard Soil with compacion in 15 Cm layers etc.	1	100.00	1.97	0.90	177.30	Pcum.	85.00	15070.50
3	Seed sowing of Ratanjot seed on bund	3	100.00	0.00	0.00	300.00	Prm.	0.44	132.00
4	Sowing of seeds like Stylohameta & Ratanjot etc.in three row.	3	100.00	0.00	0.00	300.00	Prm.	0.44	132.00
5	Cost of Ratan Jot Seed (0.2 Kg/100 Mtr.)	0	0.00	0.00	0.00	0.60	PKg.	26.00	15.60

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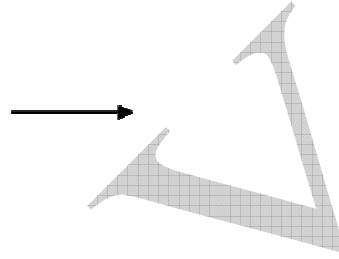
6	Cost of Stylo Hameta Seed	0	0.00	0.00	0.00	0.60	Pkg.	30.00	18.00
						Sub Total			15418.10
						Say			154/- RM

IWMP-

Name of Work - Construction of Bank Stabilization of Existing Nala



3.30 Mtr



IWMP-V

Abstract of Cost and Detailed Estimate (Model)

Name of Work - Construction of (CVH)

S.No	Particulars	No	Length	Width, m	Height, m	Quantity	Unit	Rate *	Amount Rs
1	Eathwork excavetion in hard Soil with compation in 15 Cm layera etc.	1	800.00	0.30	0.20	48.00	cum.	92.00	4416.00
2	Overseding of Grass stylo Hameta	2	800.00	0.00	0.00	1600.00	rm.	0.44	704.00
3	Cost of Stylo Hameta Seed	0	0.00	0.00	0.00	2.00	Kg.	30.00	60.00
						Sub Total			5180.00
						Say			5100.00

Abstract of Cost and Detailed Estimate (Model)

4.4 Name of work :Construction of new talai with wasteweir

A Earthwork in excavation in hard soil for bund

Length 100 TW 2

S. No.	ITEM	Detail	Length	Top Width	Bottom width	Ht/Depth	Qty	Unit	RATE	Amount
1	Excavation of earth for bund	100	2.00	11.00	3.00	1950.00	cum	85.00	165750.00	
2	Extra lift 1.5m (50%)	=	1950.00	x	0.50	975.00	cum	11.00	10725.00	
3	Extra lead 50m (25%)	=	1950.00	x	0.25	487.50	cum	34.00	16575.00	
	Total								193050.00	
	Total A								193050.00	

B Construction of waste weir

S. No.	ITEM	Detail					Qty.	Unit	RATE	Amount
		No.	L	B	Ht/Depth					
1	Excavation of earth for foundation in	Head wall	1	10.00	0.90	2.00	18.00			

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	hard soil	Sidewall	2	4.50	0.60	2.00	10.80			
		Wingwall	4	3.00	0.60	1.20	8.64			
		Toewall	1	10.00	0.60	0.90	5.40			
		Apron	1	10.00	3.00	0.75	22.50			
							65.34	cum	92.00	6011.28
2	Cement concrete in 1:3:6 in foundation including curing etc.	Headwall	1	10.00	0.90	0.15	1.35			
		Sidewall	2	4.50	0.60	0.15	0.81			
		Wingwall	4	3.00	0.60	0.15	1.08			
		Toewall	1	10.00	0.60	0.15	0.90			
		Apron	1	10.00	3.00	0.15	4.50			
							8.64	cum	2339.00	20208.96
3	RR masonry in foundation cement sand mortar 1:6	Headwall	1	10.00	0.90	1.85	16.65			
		Sidewall	2	4.50	0.60	1.85	9.99			
		Wingwall	4	3.00	0.60	1.05	7.56			
		Toewall	1	10.00	0.60	0.60	3.60			
		Toewall	1	10.00	0.45	0.45	2.03			
							39.83	cum	1611.00	64158.08
68										
4	RR masonry in superstructure	Headwall	1	20.00	$(0.9+.60)/2$	0.60	9.00			

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	cement sand mortar 1:6	Sidewall	2	4.50	$(0.60+0.45)/2$	1.80	8.51			
		Wingwall	4	3.00	$(0.60+0.45)/2$	1.80	11.34			
							28.845	cum	1611.00	46469.30
5	Stone khuranja 23 cm thick		1	10.00	3.00		30.00	Sqm	235.00	7050.00
6	Coping 50mm thick in 1:2:4				$1*8*0.60+1*8*0.45+2*4.5*0.45+2*2*3*0.45$		17.85	Sqm	206.00	3677.10
7	Pointing in 1:3 cm				$1*8*0.60+2*4.5*1.80+2*2*3*1.80$		42.60	Sqm	49.00	2087.40
8	Cement plaster in CM 1:4 25mm thick				$1*8*0.6+1*8*0.30$		7.20	Sqm	149.00	1072.80
	Total									150734.91
	TOTAL A+B									343784.91
	Grand Total									343784.91
								Say		344000

Abstract of Cost and Detailed Estimate (Model)

Name of Work – Pasture Development work

Area 1 ha

S.NO	Name of work		Cost per Ha	Area (Ha)	Total for 10ha
1	Construction of Stone wall fencing	1 ha	16000	10	160000
2	Construction of Vegetative Contour Hedge	1 ha	5100	10	51000
3	Sowing of grass seeds like stylo Hameta by tractor	1 ha.	289	10	2890
4	Cost of Stylo Hameta grass 8 Kg.	1 ha.	240	10	2400
5	Plantation of Forest plant	1 ha	38000.00	4	152000
6	Chokidar for Security (3 Years * 12*1*3000)	1 ha.	10800	1	10800
	Total				379090
	Say (Lacs)				379000

PANCHAYAT SAMITI ANTA

Name of Work

Construction of Anicut

BASIC DATA

1	Available Crest Length	L	30	Meter	
2	Total Catchment Area	A	1000	Hect.	
3	Coefficient of Rational Formula	C	0.30		
4	Coefficient of Discharge for broad crested weir	c	1.71		
5	Unit weight of masonry	s	2.3	Tonnes \ cum	
6	Maximum allowable compressive stress in masonry		10	Kg \ sq.cm	
7	Maximum allowable tensile stress in masonry		1	Kg \ sq.cm	
8	N S L		100	M	
9	Height of the Head Wall		1.4	M	
10	Depth of Foundation		1.0	M	
11	Length of Head Wall Extension Left		3.5	M	
12	Length of Head wall extension Right		3.5	M	

(A) Hydrologic Design

Peak rate of runoff (discharge)

The Maximum probable Discharge (Q) has been calculated using Dicken formula as under:--

$$Q = CA^{3/4}$$

C	11.4	Coefficient
A	10	Sq. Km
Q =		64.107 Cumecs

(B) Hydraulic Design

(i) Head over the crest

$$Q = c \times L \times h^{3/2}$$

$$h^{3/2} = Q / (c \times L)$$

So h =	1.25	meter
Say h =	1.16	meter
	1.20	meter

(ii) Free board

$$F = 1.5 h_w ,$$

Where h_w is the height of wave

$$h_w = 0.014 (D_f)^{1/2}$$

Putting $D_f = 700.00$ meter

$$h_w = 0.37$$

so F= 0.56 meter

Or 0.60 meter

(c) Structural Design

N S L (Bed Level)	=	100.00	meter
Ht of structure above N S L (h) =	=	1.35	meter
Depth of foundation	=	1.00	meter
Width of foundation bed	=	2.60	meter
Depth of Concrete in foundation	=	0.30	meter
Height of Head wall (h)	=	1.35	meter
FTL	=	101.35	meter
MWL	=	102.55	meter
TBL	=	102.55	meter
Total height =T.B.L. - N.S.L. =	=	2.55	meter
Length of Bund	=	48	meter
Height of Bund	=	1.2	meter
Top Width of Bund	$(h/3)+1.5$	=	1.9 meter
Bottom Width of Bund	$(5 \times h)+$ Tw	=	7.9 meter

(i) Top width of head wall

$$Tw = h / (s - c)^{1/2}$$

putting h = 1.20 meter

Specific gravity of the material s = 2.3 for stone masonry in cement mortar

(for partly pervious & permeable foundation bed)

c = 1.00

we get, Tw = 1.05 meter

Or Tw = 1.10 meter

d = h + Fb	1.80	
------------	------	--

(ii) Bottom width of head wall $Bw = Tw + (H \times 0.8)$

$$(H+h) / (s-c)^{1/2}$$

Bw = 2.24 Mtr.

Width of Concrete bed (= Bw + 0.30) 2.54 Mtr.

Or 2.60 Mtr.

(iii) Length of head wall extension =

$$H + d + 1$$

= 4.15 Mtr.

(iv) Height of head wall extention =

$$H + d$$

= 3.15 Mtr.

(v) Bottom width of head wall extension 0.5(H+h)

$$= 1.28 \text{ Mtr.}$$

$$1.30$$

1. HEAD WALL EXTENSION

(a) Length (as per site condition)

Right side 3.50 meter

Left side 3.50 meter

(b) Height above crest level =H+fb

Right side 1.80 meter

Left side 1.80 meter

(c) Top width

0.60 meter

(d) Bottom width

1.86 meter

or 1.90 meter

2. SIDE WALL

(a) Length = (Bw of Hw + Apron width + 0.45) - 2.1

3.00 meter

or 3.00 meter

(b) Top width (minimum)

0.60 meter

(c) Bottom width

= 1.86 meter

= 1.32 meter

(at H. W. E. junction) = $0.60 + ((H+d) \times 0.40) =$

(at wing wall junction) = $0.60 + (0.40 \times 1.5 H) =$

(d) Height of side wall			
(at H. W. E. junction) = H + d	=	3.15	meter
(at wing wall junction) = 1.5 x h	=	2.70	meter
3. <u>WING WALL</u>			
(a) Length = 2.25 x h	=	4.05	meter
(b) Top width (minimum)	=	0.60	meter
(c) Bottom width = 0.60 + (0.4 x (1.5 x h))	=	1.68	meter
(d) Height of wing wall = 1.5 h	=	2.70	meter
4. <u>APRON</u>			
Length = crest length	=	30.00	meter
Width = H + d	=	3.15	meter
Thickness of Apron =	=	0.60	meter
(0.30 m c.c.(1:4:8))			

+0.23 m RR stone khuranja in CM 1:6

5. TOE WALL

Length = crest length

Width

Height (above top of Apron)

6. Depth of foundation = $1.50 \cdot 0.473(Q/f)^{.33}$

Q = Discharge Cum / Sec

f = silt factor constant

But as per site condition taken as

		=	30.00	meter
		=	0.45	meter
		=	0.30	meter
		OR		
		Say	=	0
			=	0.00
	0			
	1.2			
	1.00	Mtr.		

**CHECKS FOR AGAINST OVER TURNING , RUPTURE FROM TENSION ,
SLIDING & CRUSHING**

$$H = 1.35 \text{ meter}$$

$$h = 1.20 \text{ meter}$$

$$Tw = 1.10 \text{ meter}$$

$$Bw = 2.24 \text{ \cum}$$

Specific weight of masonry $s = 2300.00 \text{ Kg \cum}$

Specific weight of water $w = 1000.00 \text{ Kg \cum}$

Coefficient of uplift $c = 0.50$

Coefficient of friction $f = 0.75$

Weight of structure $W = W_1 + W_2$

$$W_1 = s \times Tw \times H = 3415.50 \text{ Kg}$$

$$W_2 = s \times H (Bw - Tw) / 2 = 1764.41 \text{ Kg}$$

$$W = W_1 + W_2 = 5179.91 \text{ Kg}$$

Water pressure at depth $H = P_1$

$$P_1 = w \times h = 1200.00 \text{ Kg \sqm}$$

Water pressure at depth $(H+h)=P_2$

$$P_2 = w \times (H + h) =$$

$$2550.00 \text{ Kg \ / \ sqm}$$

Net Horizontal water force =

$$(P_1 + P_2) / 2 \times H =$$

$$2531.25 \text{ Kg \ / \ sqm}$$

Force due to water at the crest

$$F_3 = w \times h \times T_w =$$

$$1320.00 \text{ Kg/m}$$

Up lift pressure $U_1 = c \times w \times (h+H) =$

$$1275.00 \text{ Kg/sqm}$$

Up lift Force $=U = U_1 \times B_w / 2 =$

$$1425.77 \text{ Kg/m}$$

1. Safty against Over turning

Taking moment of all the forces about the toe of the Structure

Restoring Moment, $RM = W_1 \times (B_w - T_w/2) + W_2 \times (B_w - T_w) \times 2 / 3 + F_3 \times (B_w - T_w/2)$

$$RM = 9323$$

Over turning Moment, $OM = F_a \times H/2 + F_b \times H/3 + U \times 2 B_w/3$

Where $F_a = P_1 \times H =$

$$1620$$

$$F_b = (P_2 - P_1) / 2 \times H =$$

$$911.25$$

$$RM / OM =$$

$$OM = 3629$$

$$2.57$$

It is more than 1.30, so the structure is safe against overturning.

2. Safety against tension at the base

The excess moment, $E_m = (RM - OM)$

$$5694$$

Total Vertical Force, $V = W + F_3 - U =$

$$5074.15$$

X represents the position of the resultant force from top of the structure.

$X = \text{Excess moment} / \text{Total vertical force}$

$$X =$$

$$1.12$$

Which is more than $Bw / 3 = 0.75$ of the structure ,

& less than $2Bw/3 = 1.49$

i.e. Resultant is passing through the middle 1 / 3 of the base so there is no chance of developing any tension in masonry. Hence the structure is safe against Rupture from Tension.

3. Safety against Compression (Crushing)

$$\text{Eccentricity } e = Bw / 2 - X$$

where $x = (RM - OM) / V$

1.12

so $e =$

0.00

$$F_{\max} = V(1 + 6e/Bw)/A = 2245.15$$

In order to avoid crushing of the masonry at the base F_{\max} is maximum compressive stress acting normal to the base of the structure. It is less than the Max. allowable compressive stress for the masonry 20000 Kg / sqm. Hence Safe against Crushing.

4. Safety against sliding

Total Vertical Force, $V = W + F_3 - U =$

5074.15

Resisting forces, $P = fV + C_r A =$

3806.50

Sliding forces $= F_a + F_b =$

2531.25

Factor of safety for sliding

$= \text{Restoring force} / \text{Sliding force } P/V =$

1.50

It is more than 1.3, so the structure is safe against Sliding.

PANCHAYAT SAMITI ANTA

Name of Work

Construction of Anicut

DETAILED ESTIMATE

S.	Particular	No.	Length	Width	H / D	Qty.	unit
1	Excavation for foundation						
	Head wall (over flow sec.)	1	30.00	2.60	1.50	117.00	cu.m
	<u>Head wall Ext</u>						
	(a) Right side from U \ S	1	3.50	1.90	3.60	23.94	
	(b) Left side from U \ S	1	3.50	1.90	3.60	23.94	
	<u>Side wall</u>	2	6.50	1.80	3.60	84.24	,,
	Wing wall	2	3.00	1.80	3.60	38.88	,,
	Toe wall	1	30.00	0.90	0.60	16.20	,,
	Apron	1	30.00	3.15	0.60	56.70	,,
					Total		
					Qty.	360.90	cu.m

	Hard soil	38.34	%			138.37	cu.m
	Disintegrated Rock	0	%			0.00	cu.m
	Ordinary Rock	61.66	%			222.53	cu.m
2	C.C. (1 : 3 : 6) with 20 mm stone crusher broken aggregate in foundation						
	Head wall (over flow sec.)	1	30.00	2.60	0.30	23.40	cu.m
	<u>Head wall Exe.Foundation</u>						
	(a) Right side from U \ S	1	3.50	1.90	0.30	2.00	
	(b) Left side from U \ S	1	3.50	1.90	0.30	2.00	
	<u>Side wall</u>	2	6.50	1.80	0.30	7.02	,,
	Wing wall	2	3.00	1.80	0.30	3.24	,,
	Toe wall	1	30.00	0.90	0.30	8.10	,,
	Apron	1	30.00	3.15	0.30	28.35	
						Total Qty. Item - 2 =	74.10 cu.m
3 A	R.R.Stone Masonry in cement sand mortar (1:6) in foundation for W.H.S						
	Head wall (over flow sec.)	1	30.00	2.60	1.20	93.60	cu.m
	<u>Head wall Exe.</u>						
	(a) Right side from U \ S	1	3.50	1.90	1.20	7.98	

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	(b) Left side from U \ S	1	3.50	1.90	1.20	7.98	
	<u>Side wall</u>	2	6.50	1.80	1.20	28.08	„
	Wing wall	2	3.00	1.80	1.20	12.96	„
	Toe wall	1	30.00	0.90	0.30	8.10	„
				Total Item-- 3 A =		158.70	cu.m
3	R.R.S.M. (1:6) for super structure above NSL						
B	Head wall (over flow sec.)	1	30.00	5.00	1.35	202.50	cu.m
	Head wall Exe.						
	(a) Right side from U \ S	1	3.50	1.95	3.00	20.48	„
	(b) Left side from U \ S	1	3.50	1.95	3.00	20.48	
	<u>Side wall</u>	2	10.20	1.80	2.63	96.39	„
	Wing wall	2	3.00	1.80	2.03	21.87	„
	Toe wall	1	30.00	0.45	0.30	4.05	„
				Total Item - 3 B =		365.76	cu.m
				Total Item - 3 A + 3 B =		524.46	cu.m
4	RR stone khuranja in CM 1:6 of 23cm	1	30.00	3.15		94.50	Sqm
5	C . C . Coping in C.M. 1 : 2 : 4						

	Headwall Crest						
	<u>Head wall (Nonover flow sec.) U \ S</u>	1	30.00	1.10		33.00	cu.m
	(a) Right side from U \ S	1	3.50	0.6		2.10	,,
	(b) Left side from U \ S	1	3.50	0.6		2.10	,,
	Side wall	2	10.20	0.6		12.24	,,
	Wing wall	2	3.00	0.6		3.60	,,
	Toe wall	1	30.00	0.45		13.50	,,
				<u>Total Item :- 5 =</u>		66.54	cu.m
6	25 Cement Plaster in C.M. (1:4)						
	Head wall (over flow sec.) U \ S	1	30.00		1.35	40.5	sq.m
	Toe wall ((2 x height) + Top)	1	30.00		0.30	9.00	,,
				<u>Total Item:-- 6 =</u>		49.50	sq.m
7	Flush or ruled poinding in CM 1:3						
	Head wall (over flow sec.) U \ S	1	30.00	1.76		52.94	sq.m
	Side wall	2	10.20	2.63		53.55	,,
	Wing wall	2	3.00	2.03		12.15	,,
				<u>Total Item:-- 7 =</u>		118.64	sq.m

8	Earth work for bunds including laying in 15 cm layers broken of loads etc complete						
	a) In Hard Soil	0	40	3.5	1	0	
	b) In Ordinary Soil	0	0	0	0	0	
				Total Item :- 8 =		0.00	cu.m
9	15-30 cm thick single stone pitching hammer dressed including all leads etc complete	0	12	1.2	0.23	0	
				Total Item :- 9 =		0	
10	Drilling of holes 35 mm dia for anchor rods up to 1.5 m depth	0	1.50			0.00	m
				Total Item :-10 =		0.00	
11	Fixing of anchor bars in near cement grout including cost of cement and curing complete	0	1.50			0.00	m
				Total Item :- 11 =		0.00	

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Name of Work

Construction of Anicut

Abstract of Cost

S.No.	Particular	Qty	Unit	Complete Item		Labour Charges(Unskilled)		Labour Charges(skilled)		Material Charges
				Rate	Amount	Rate	Amount	Rate	Amount	
1	Excavation for foundation & trench for irrigation works									
	Hard soil	138.37	Cum	92.00	12729.95	92.00	12729.95	0.00	0.00	0.00
	Disintegrated Rock	0.00	Cum	134.00	0.00	134.00	0.00	0.00	0.00	0.00
	Ordinary Rock	222.53	Cum	178.00	39610.51	178.00	39610.51	0.00	0.00	0.00
2	Cement Concrete (1 : 3 : 6) with 20 mm size stone broken gritt for W.H.S	74.10	Cum	2339.00	173319.90	287.50	21303.75	30.00	2223.00	149793.15
3	R.R.Stone Masonary in cement sand mortar (1:6) for W.H.S	524.46	Cum	1611.00	844905.06	162.00	84962.52	180.00	94402.80	665539.74
4	RR stone khuranja in CM 1:6 of 23cm	94.50	Sqm	267.00	25231.50	43.20	4082.40	60.00	5670.00	15479.10
5	50 mm thick Cement Concreet Copping in 1 : 2 : 4 with stone crusher broken gritt 12 mm size including curring etc complete	66.54	Sqm	204.00	13574.16	31.00	2062.74	45.00	2994.30	8517.12
6	25 MM thick Cement sand Plaster in C.M. (1:4) including curing etc complete	49.50	Sqm	149.00	7375.50	25.65	1269.68	39.00	1930.50	4175.33

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7	Flush or ruled poinding in CM 1:3	118.64	Sqm	49.00	5813.39	13.80	1637.24	24.00	2847.38	1328.78
8	Earth work for bunds including laying in 15 cm layers breaking of clods etc complete								0.00	0.00
	a) In Hard Soil	0.00	Cum	85.00	0.00	85.00	0.00	0.00	0.00	0.00
	b) In Ordinary Soil			77.00		77.00	0.00	0.00	0.00	0.00
9	15-30 cm thick single stone pitching hammer dressed including all leads etc complete	0.00	Cum	0.00	0.00	50.00	0.00	66.00	0.00	0.00
10	Drilling of holes 35 mm dia for anchor rods up to 1.5 m depth	0.00	m	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Fixing of anchor bars in near cement grout including cost of cement and curing complete	0.00	m	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Supply of TOR steel anchor bars of required diameter length and shape at site of work complete	0.00	Kg	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total				1122559.97		167658.79		110067.98	844833.21
	Add 3% charges for contingencies				33676.80					33676.80
	Grand Total				1156236.77		0.00		0.00	33676.80

say Rs. **11.56 Lacs**

Requirement of Material

S.No.	Particular	Qty	Unit	Cement in Bags		Sand in Cum		Stone Cum		Aggregate 20 mm		Aggregate 12 mm	
				Per Unit	Qty.	Per Unit	Qty.	Per Unit	Qty.	Per Unit	Qty.	Per Unit	Qty.
1	Cement Concrete (1 : 3 : 6) with 20 mm size stone gritt for W.H.S	74.10	cum	4.05	300.11	0.43	31.86	0.00	0.00	0.86	63.73	0.00	0.00
2	R.R.Stone Masonary in cement sand mortar (1:6) for W.H.S	524.46	cum	1.40	731.62	0.30	157.34	1.10	576.91	0.00	0.00	0.00	0.00
3	25 MM thick Cement sand Plaster in C.M. (1:4) including curing etc complete	49.50	sqm	0.22	11.09	0.03	1.58	0.00	0.00	0.00	0.00	0.00	0.00
4	RR stone khuranja in CM 1:6 of 23cm	94.50	sqm	0.21	19.85	0.05	4.25	0.25	23.91	0.00	0.00	0.00	0.00
5	Cement Concreat Coping in C.C. 1 : 2 : 4 with stone crusher broken gritt 12 mm size including curring etc complete	66.54	cum	0.31	20.76	0.02	1.46	0.00	0.00	0.00	0.00	0.05	2.99
6	Flush or ruled poinding in CM 1:3	118.64	sqm	0.03	3.32	0.003	0.36	0.00	0.00	0.00	0.00	0.00	0.00

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7	15-30 cm thick single stone pitching hammer dressed including all leads etc complete	0.00	cum	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00
8	Fixing of anchor bars in near cement grout including cost of cement and curing complete											
9	Supply of TOR steel anchor bars of required diameter length and shape at site of work complete											
Total				1086.74	196.86		600.81		63.73		2.99	

Cement (Becs)	Sand (cum)	Stone (cum)	Agg. 20 mm (cum)	Agg. 12 mm (cum)	TOR Bars Kgs
1087	196.86	600.81	63.73	2.99	0

Abstract of Cost and Detailed Estimate (Model)

Name of Work - Construction of Gabion Check dam

S.No	Particulars	No	Length	Width, m	Height\depth m	Quantity	Unit	Rate	Amount Rs
1	Dag Belling 5 Cm to 7.5 Cm	2	8.00			16.00	rm	0.25	4.00
2	Earthwork excavetion in hard Soil	1	8.00	1.80	0.90	12.96	cum	92.00	1192.32
3	Dry Stone masonry in foundation cement sand mortar 1:6 & upto plinth	1	8.00	1.80	0.90	12.96			
		1	8.00	1.20	0.30	2.88			
		1	8.00	0.90	0.30	2.16			
						18.00	cum	883.00	14886.00
4	Providing & binding 4 MM thick Gabion GI Wire Mesh(15 * 15 CM) as per IS Code	1	8.00	5.40		43.20			
		1	8.00	3.00		24.00			
		1	8.00	2.40		19.20			
						86.40	sqm	69.70	6022.08
5	50 MM thick Cement Concret 1:2:4 mixed	1	8.00	0.30		2.40			

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with 12 MM aggregate size	1	8.00	0.30		2.40			
	1	8.00	0.90		7.20			
					12.00	sqm	206.00	2472.00
				Sub Total				24576.40
					Say			24600.00

IWMP-V

Panchayat Samiti Anta Distt . Baran

Watershed IWMP -IV

Farm Production Plan

S. No.	Activity	Unit cost as per estimate	Cultivator Contribution	Amount by project	WDF to be deposit in Account	Unit cost (5+6)
1		3	4	5	6	7
	Crop Demonstration					
1	Kharif					
a	Soyabean- Maize	4490	1500	2990	898	3888
b	Green Manure	2080	900	1180	416	1596
c	Mini kit	1909	750	1159	382	1541
d	Fodder Demonstration (Jwar Chari)	580	200	380	116	496
2	Rabi				0	0

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a	Mustard	3265	1800	1465	653	2118
b	Wheat	4905	2300	2605	981	3586
c	Kusum	3935	2800	1035	787	1822
d	Fodder Demonstration (Barseem)	1630	1200	430	326	756
e	Mini kit	1780	750	1030	356	1386
3	Horticulture Plants	174	92	82	35	117
4	Agro Forestry	59	46	13	12	25
5	Vermi Compost	3725	725	3000	745	3745
6	Nepsek sprayer				0	0
	ST/SC	1200	120	960	120	1080
	Others	1200	240	720	240	960
7	Rotary Duster (Manually operated)		0		0	0
	ST/SC	1000	100	800	100	900
	Others	1000	200	600	200	800
8	MB Plow Tractor Operated		0		0	0

	ST/SC	12500	1250	10000	1250	11250
	Others	12500	2500	7500	2500	10000
9	Bund Former Tractor Operated		0		0	0
	ST/SC	3500	350	2800	350	3150
	Others	3500	700	2100	700	2800
10	Chaff Cutter (manually operated)		0		0	0
	ST/SC	3500	350	2800	350	3150
	Others	3500	700	2100	700	2800
11	HDPE Pipelines		0		0	0
	ST/SC	24120	2412	21708	2412	24120
	Others	24120	4824	19296	4824	24120
12	Sprinkler system		0		0	0
	ST/SC	15000	1500	12000	1500	13500
	Others	15000	3000	9000	3000	12000

DRY LAND HORTICULTURE

S.no	Item	No	Unit	Rate	Total Amount.
1	Excavation of Pits (0.9*0.9*0.9 mt) 277 plant	201.93	Cum	92.00	18577.56
2	Loading unloading plants	277.00	No	0.34	94.18
3	Cost of Plants (as per market)	277.00	No	30.00	8310
4	Re handling of Plant at site by labour upto 200 mt.	277.00	No	0.50	138.5
5	Plantation of Plant	277.00	No	3.00	831
6	Watering of water	6648.00	No	1.80	11966.4
7	Construction of Thawla	1385.00	No	2.40	3324
8	Nirai Gudai of Plant (12 times)	3324.00	No	1.20	3988.8
9	Cost of vermi compost	55.40	Kg	3.10	171.74
10	Transportation of Plant	277.00	No	2.70	747.9
			Total		48150.08

12038

18800/- p ha

173.83

174/-per plant

Agroforestry plantation

S.No.	Item	Unit	Qty.	Rate	Amount
1	Cost of Plant	No.	100	3	300
2	Vermi compost 5kg /plant	kg.	500	5	2500
3	Excavation of pit .45x.45x.45	No.	100	6.8	680
4	Plantation	No.	100	3	300

5	Thawla making	No.	100	1.8	180
6	Watering to plant	No.	600	1.8	1080
7	Hoeing and weeding	No.	600	1.2	720
8	Transportation	No.	100	121	121
					5881

58.81

SAY 59

Vegetable
minikit

Kharif Crop
Hybrid

Vegetable Name	Area (ha)	Variety	Quantity	Cost	Irrigation cost	Nursury Raising/Seedling Preparation	Total
Tamoto	0-10	Sonili/ karnataka Hybrid	10gm	1159	500-00	250-00	1909-00
Lady finger		Kumudini/Arka Anamika	50 gm				
Bottle gourd		Kareena	20gm				
Cluster bean		Neelima	60gm				
Chilli		Kranti	10gm				

Rabi Crop Hybrid

Vegetable Name	Area (ha)	Variety	Quantity	Cost	Irrigation cost	Nursury Raising/Seedling Preparation	Total
Coriander Cilantro	0.10	Wonder	50g	1030.00	500.00	250.00	1780.00

Chilli	Jajri ujala/Pant c-1	10g			
Peas	Hra moti	50g			
Brinjal	Shamal	20g			
Carrot	Redrose long	20g			

Agriculture equipment

S.no.	Equipment Name	Cost (Rs.)	WDF For SC/ST/BPL Farmer	WDF general
1	Nepsek Sprayer Plastic Tank 15 lit	1200	240	480
2	Hand operated Rotary Duster Dolly Mounted	1000	200	400
3	Tractor Operated Sprayer	20000	4000	8000
4	MB plough	12500	2500	5000
5	Bund Former Tractor operated	3500	700	1400
6	Chaff cutter Manual operated	3500	700	1400
7	Weeder Hand operated (wheel hoe)	1000	200	400

Irrigation Facility

S.no.	Irrigation Facility	QTY/Area	Cost	WDF	
				SC/ST/BPL	General
1	HDPE Pipe line 75 mm	400m	24120	2412	4824
2	Sprinkler Irrigation	1 ha.	15000	1500	3000

Vermi Compost

	Unit	Qty.		Rate	Amount
Size	Bed	3(10'x10')			
Brick Kharanja					1000
Temp Shed					400
Worm Cost	Kilogram	5Kg		250	1250
Implement					350
Labour chargees for filling cow dung etc					725
total					3725

Livestock Management

Medical Kit Per Animal

S. No.	Name of Medicine	Quantity	Rate	Amount
1	Mineral mixture	1.5 Kg	150	225
2	Stomatic Powder	500 gms	70	35
3	Deworming (Albendazol)	2 Tablets (3 gms each)	50	100
4	Skin Ointment for wound treatment	10 gms	45	45
5	Bandage	1 No	20	20
6	Foresape	1 No	20	20
			Total	445

Agriculture Crop Demonstration

Name of Crop	Variety	Quantity of seed (Kg)	Cost (Rs)	Ploughing 3@Rs 200	Bacteria Fertilizer		Chemical Fertilizer				INM				IPM				Harvesting	Grand Total
					Riahzobium	PSB	D.A.P.		Urea		High Power		Zinc Sulphate		Feroman Trope		NPV			
							Qty (Kg)	Amt	Qty (Kg)	Amt	Qty (Ltr)	Amt	Qty	Amt	Qty	Amt	Qty	Amt		
Soyabean	JS-9560	30	1140	600	20	30	35	700	0	0	0.5	200	0	0	3	150	0.5	150	1500	4490

Intercropping

Name of Crop	Variety	Quantity of seed (Kg)	Rate	Ploughing 3@Rs 200	Bacteria Fertilizer		Chemical Fertilizer				INM				IPM				Harvesting	Grand Total
					Riahzobium	PSB	D.A.P.		Urea		High Power		Zinc Sulphate		Feroman Trope		NPV			
							Qty (Kg)	Amt	Qty (Kg)	Amt	Qty	Amt	Qty	Amt	Qty	Amt	Qty	Amt		
Soyabean	JS-93-0-5	25	850	600	10	30	35	700	0	0	0.5	75	0	0	3	120	0.5	150	1350	3735
Maize	Navjyot@Agethi-76	5	100																	100

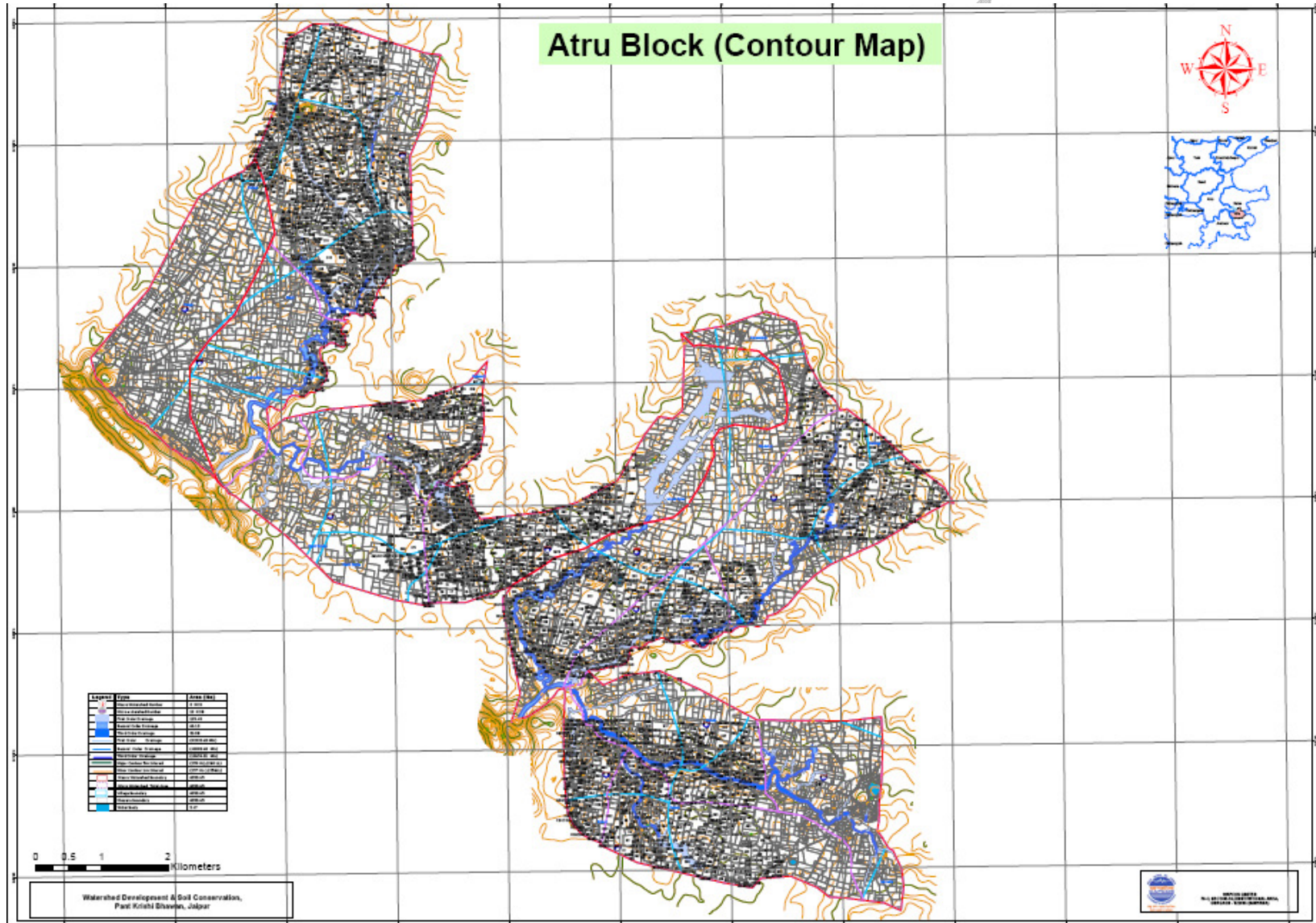
Grand Total			950	600	10	30		700			75			120	150	1350	3835
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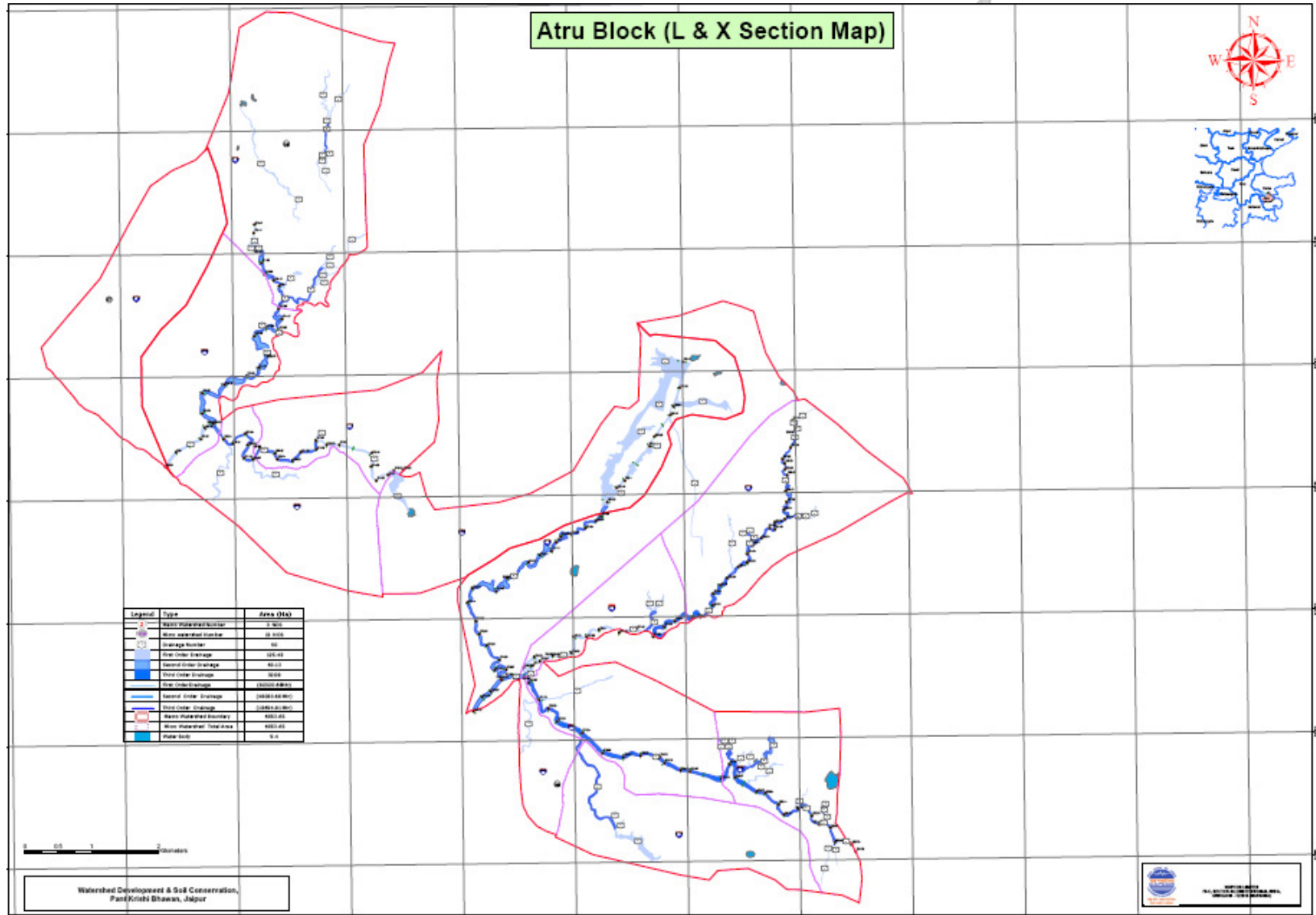
Green Fertilizer

Name of Crop	Variety	Quantity of seed (Kg)	Rate	Ploughing 3@Rs 200	Bacteria Fertilizer		Chemical Fertilizer				INM				IPM				Harvesting	Grand Total
					Riazobium	PSB	D.A.P.		Urea		High Power		Zinc Sulphate		Feroman Trope		NPV			
							Qty (Kg)	Amt	Qty (Kg)	Amt	Qty	Amt	Qty	Amt	Qty	Amt	Qty	Amt		
Sanai	Indegeneous	32	480	600	0	0	35	700	0	0	0	0	0	0	0	0	0	0	300	2080

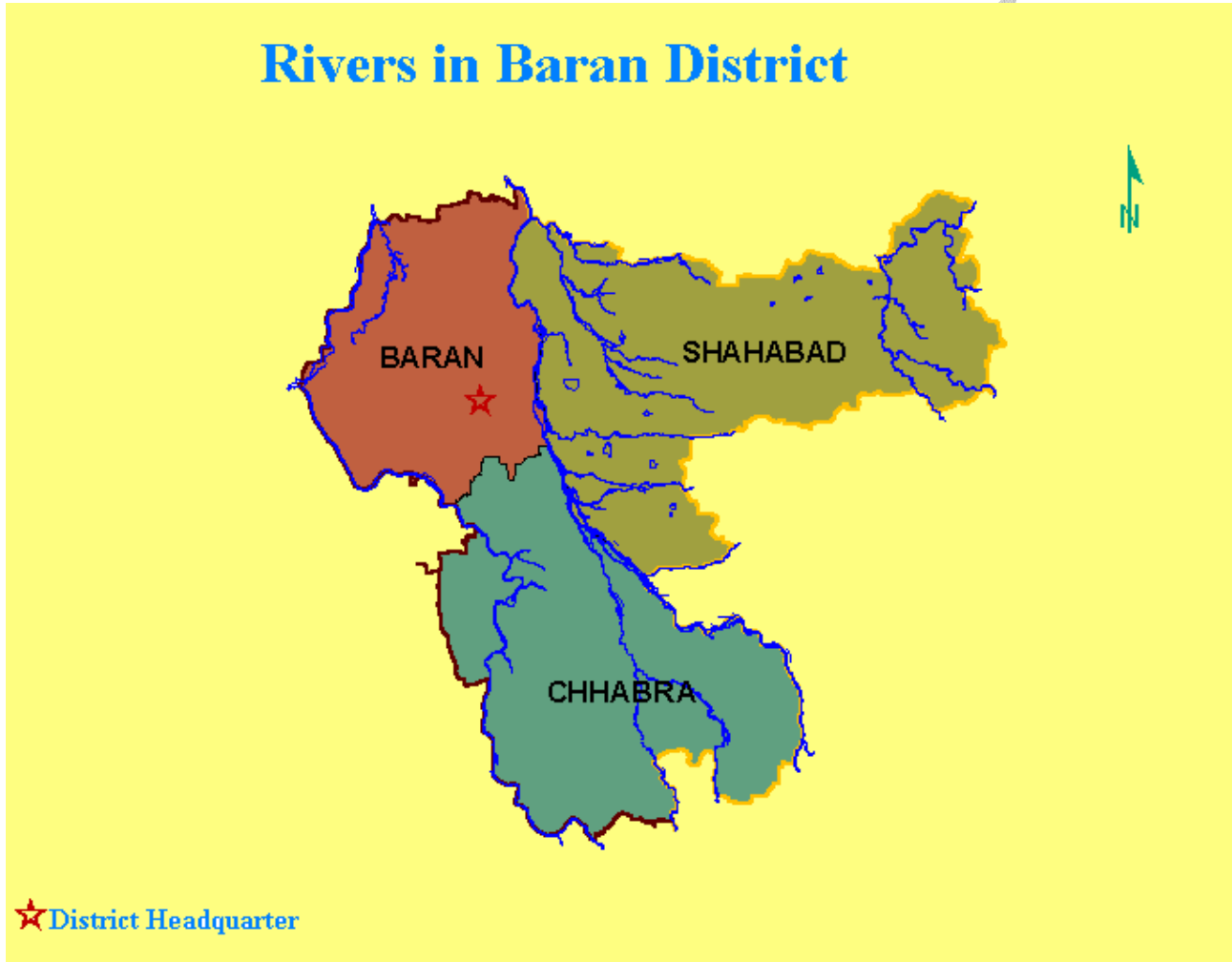
Chapter VIII

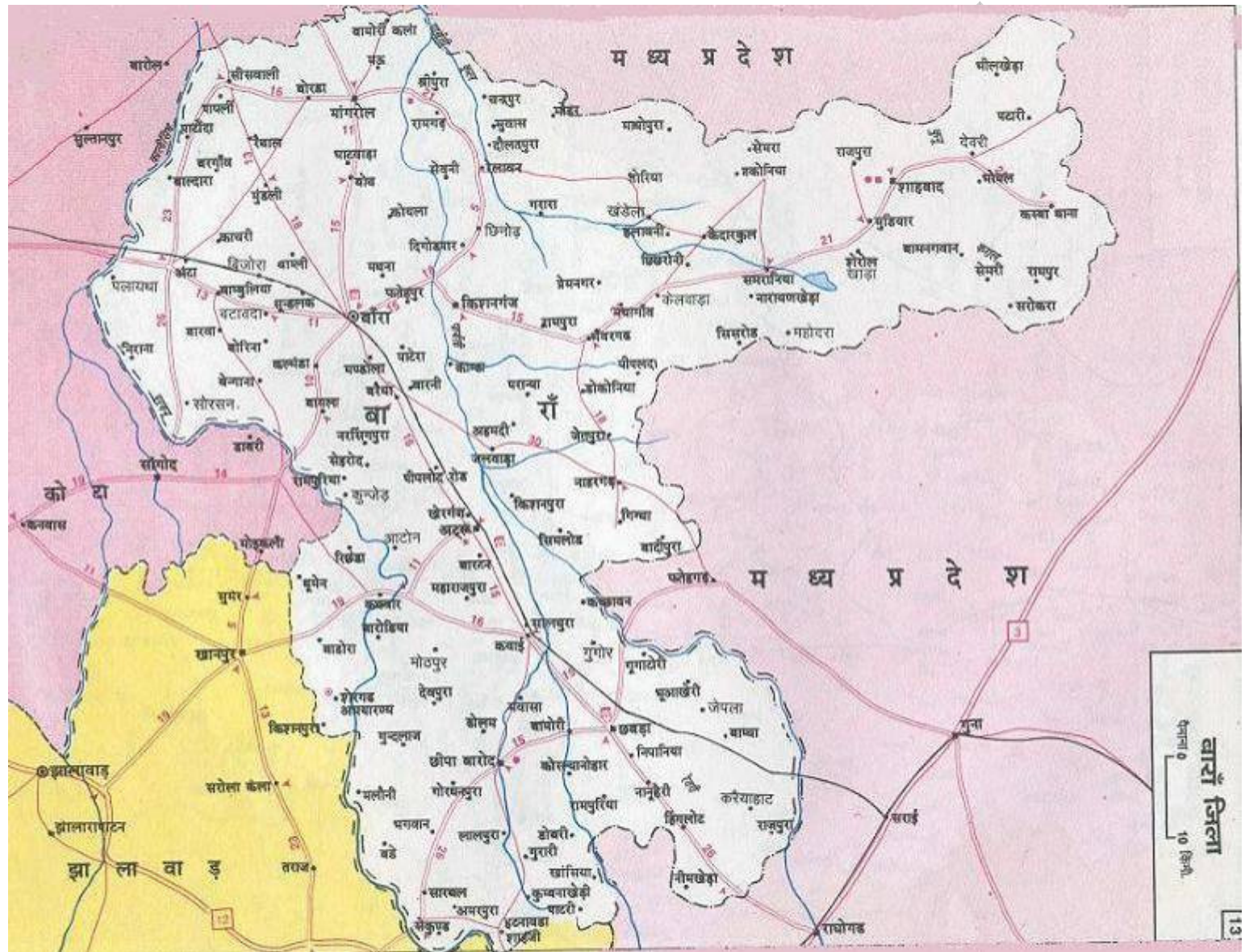
Enclosures





Rivers in Baran District







G.P. Amukhikaran Workshop at Vill. Bhainsara



G.P. Amukhikaran Workshop at Vill. Kunjer

W.C. Training at Vill. Kunjer



One day SHG Training at Vill. Bhainsara



**One day Amukhikaran workshop for P.S. Members
at P.S. Atru**



PRA EXERCISE AT VILL. KUNJER G.P. KUNJER



One Day Gram Sabha at village, Bamori G.P., Bamori

ONE DAY GRAM SABHA, BAMORI



ONE DAY GRAM SABHA, GANDOLIYA



ONE DAY GRAM SABHA, JIROD



ONE DAY G.P. WORKSHOP, DIWALI

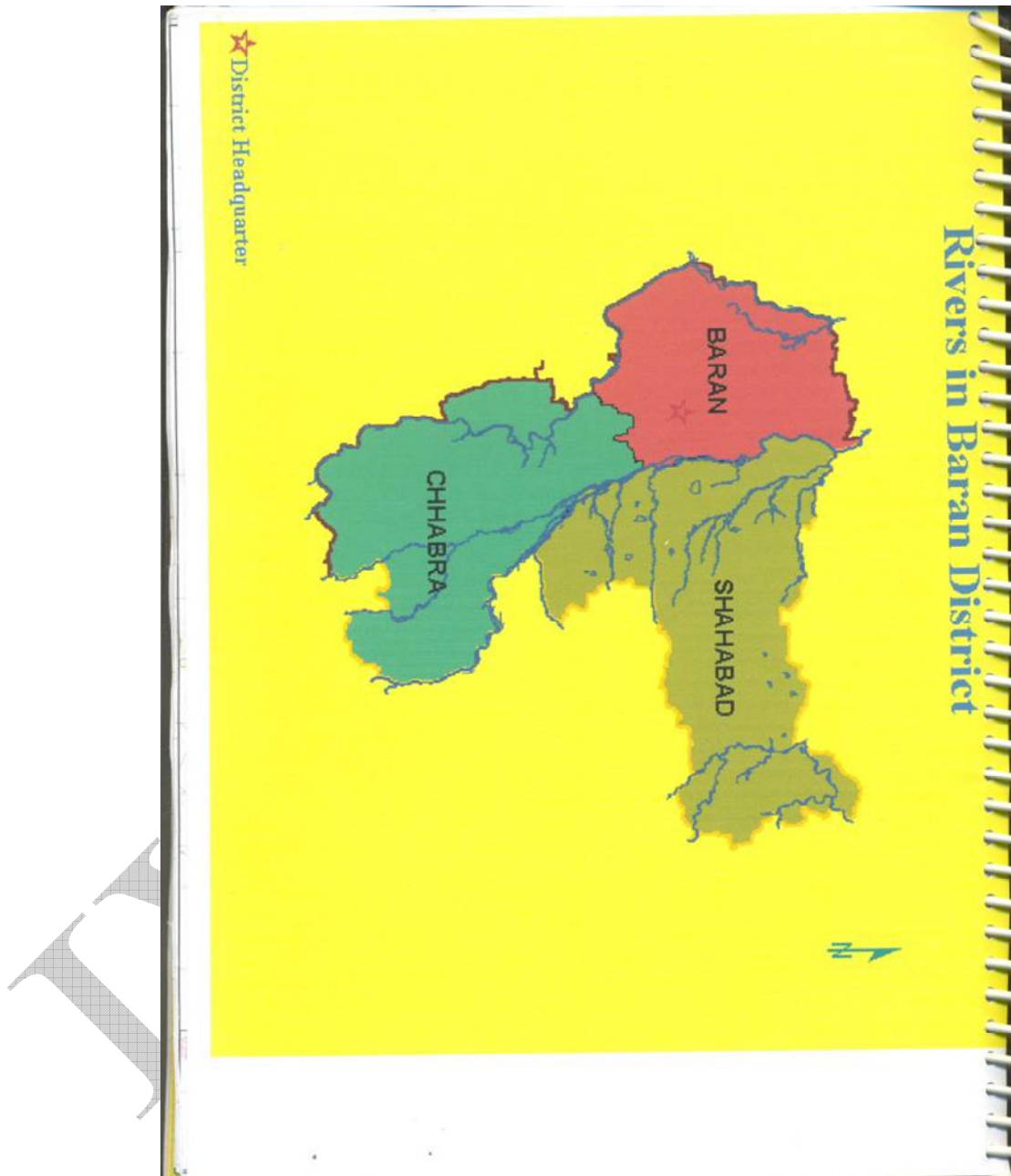


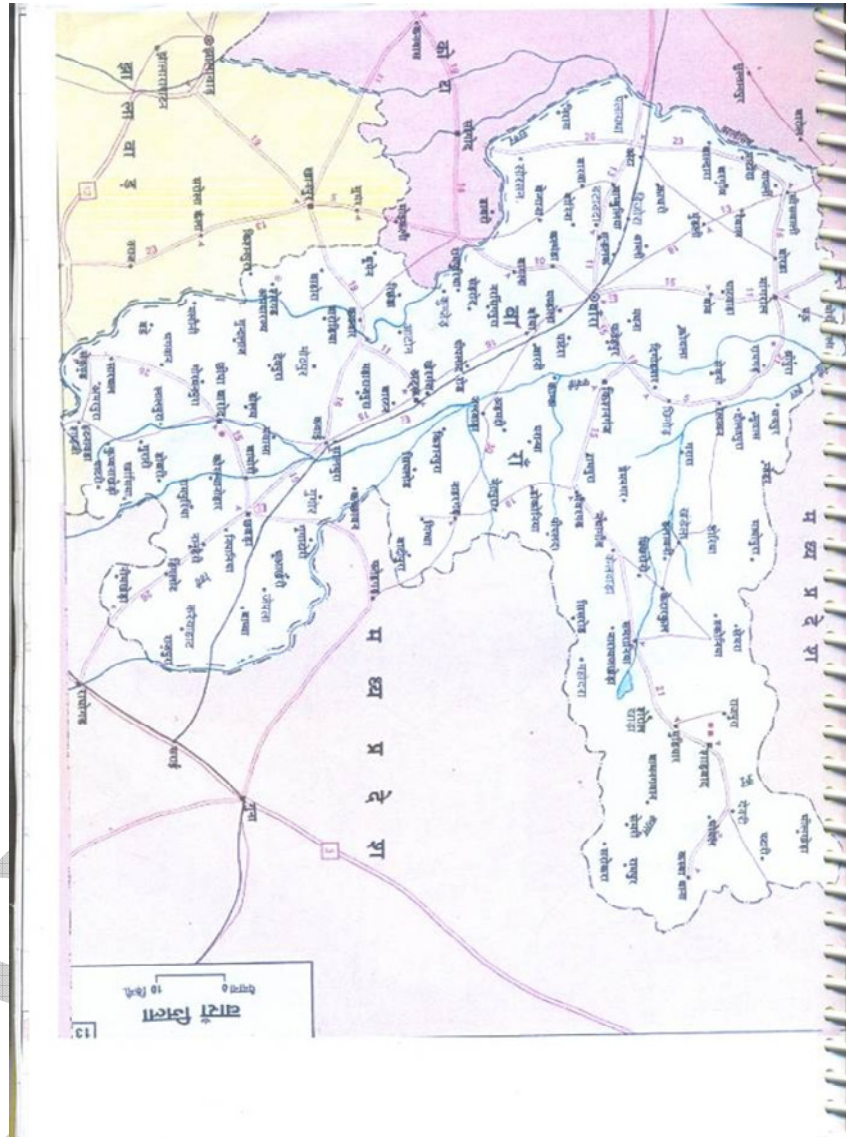
ONE DAY SHG TRIANING, KHEDLI MAJHAR



PRA EXERCISE AT VILL.MERMA TALAB









ग्रा. गन्दोलिया ग्राम पं. मेरमाचाह आई डब्ल्यू एम पी अटरु (5)

WALL PAINTING AND NARA LEKHAN AT VILL. GANDOLIYA



WALL PAINTING AND NARA LEKHAN AT VILL. DIWALI



ई.पी.ए. कार्य मद के अन्तर्गत सोलर लाईट डडवाडा ग्रा. पं. बंमोरी iwmp अटरु (5)

SOLAR LIGHT IN EPA WORK AT VILL.DADWAR A G.P. B AMORI



ई.पी.ए. कार्य मद के अन्तर्गत सोलर लाईट अन्ताना ग्रा. पं. अन्ताना iwmp अटरु (5)



ई.पी.ए. कार्य मद के अन्तर्गत मुक्ति धाम निर्माण ग्रा. खुरी ग्रा.पं. खुरी iwmp अटरु (5)

**SHAMSHAN GHAT NIRMAN IN EPA WORK AT VILL.KHURI G.P.
KHURI**



PRA EXERCISE AT VILL. DIWALI



बैठक कार्यवाही विवरण रजिस्टर

आर पंचायत, 2010-2011 जिला अटुल ब्लॉक काशी

बैठक क्र. (अंक)	अध्यक्ष/कार्यवाही का नाम	उपस्थित सदस्यों के नाम	बैठक कार्यवाही का विवरण	बैठक में उपस्थित सदस्यों का हस्ताक्षर
1	2	3	4	5
1	सचिव	सचिव	कार्यवाही का विवरण	
2	सचिव	सचिव	कार्यवाही का विवरण	
3	सचिव	सचिव	कार्यवाही का विवरण	
4	सचिव	सचिव	कार्यवाही का विवरण	
5	सचिव	सचिव	कार्यवाही का विवरण	
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7	सचिव	सचिव	कार्यवाही का विवरण	
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9	सचिव	सचिव	कार्यवाही का विवरण	
10	सचिव	सचिव	कार्यवाही का विवरण	
11	सचिव	सचिव	कार्यवाही का विवरण	
12	सचिव	सचिव	कार्यवाही का विवरण	
13	सचिव	सचिव	कार्यवाही का विवरण	
14	सचिव	सचिव	कार्यवाही का विवरण	
15	सचिव	सचिव	कार्यवाही का विवरण	
16	सचिव	सचिव	कार्यवाही का विवरण	
17	सचिव	सचिव	कार्यवाही का विवरण	
18	सचिव	सचिव	कार्यवाही का विवरण	
19	सचिव	सचिव	कार्यवाही का विवरण	
20	सचिव	सचिव	कार्यवाही का विवरण	
21	सचिव	सचिव	कार्यवाही का विवरण	
22	सचिव	सचिव	कार्यवाही का विवरण	
23	सचिव	सचिव	कार्यवाही का विवरण	
24	सचिव	सचिव	कार्यवाही का विवरण	
25	सचिव	सचिव	कार्यवाही का विवरण	
26	सचिव	सचिव	कार्यवाही का विवरण	
27	सचिव	सचिव	कार्यवाही का विवरण	
28	सचिव	सचिव	कार्यवाही का विवरण	
29	सचिव	सचिव	कार्यवाही का विवरण	
30	सचिव	सचिव	कार्यवाही का विवरण	

(Handwritten signature)

बैठक कार्यवाही विवरण रजिस्टर

कार्य. क्र. कार्यवाही का क्रम संख्या 2309748

पंचायत समिति 49/25 पंचायत समिति 2309748 जिला 2309748



क्र. संख्या का क्रम	उपस्थित सदस्यों का क्रम	विषय की कार्यवाही का विवरण	दिनांक
5		विशेष ग्राम सभा 5	2-6-12
		मूल दिनांक 5/6/12 को पंचायत भवन में बैठक बुलाई गई थी जिसकी अध्यक्षता श्री राजेश कुमार माहूड़ साहू द्वारा की गई।	श.रा. कर्
		सर्व प्रथम पूर्व बैठक की प्रोसेडिंग पत्र पढ़ाई गई जिसकी प्रति उपस्थित सदस्यों द्वारा की गई।	श.रा. कर्
		प्रधानमंत्री जन श्रम विकास एवं शहरी स्वाम स्वच्छता अभियान (पशु विपणन) T.C. M.P. का	श.रा. कर्
		T.P.R. अन्तर्गत कार्य का विवरण पढ़कर समाधान प्रस्तावित।	श.रा. कर्
		श.रा. कर्. मेरु बन्धी, कसल प्रखण्ड, पशु केन्द्र, स्वच्छता अभियान, उपस्थित सदस्यों के द्वारा के अनुसार मत: सर्वसम्मति	श.रा. कर्
		T.C. M.P. अन्तर्गत कुन्नेड का क्षेत्रफल 103.57 हेक्टर है। 12000 प्रति हेक्टर कोरर के द्वारा बसे कुल 14335420 रु. की विस्तार परियोजना प्रतिक्रिया	श.रा. कर्
		T.P.R. का अनुमोदन किया गया।	श.रा. कर्
		समाधान नं. 2) ग्राम पंचायत कुन्नेड में सोलर वाटर संचयन।	श.रा. कर्
		(1) महा देवरी जी मन्दिर प्रणाली में	श.रा. कर्
		(2) जैन मन्दिर के प्रणाली में	श.रा. कर्
		(3) लक्ष्मी नारायण जी के मन्दिर प्रणाली में	श.रा. कर्
		(4) रामदेव जी मन्दिर प्रणाली में	श.रा. कर्
		(5) कुन्नेड बस स्टैंड पर (गणकवीरजी, जसि, गेण्ड) संचयन नं. 2) जन श्रम विकास योजना अन्तर्गत उपग्रह पंचायत कुन्नेड क्षेत्र में निम्न निम्नलिखित कार्य कराये जाने का निर्णय ग्राम सभा में सर्वसम्मति से लिया जाता है कि कराये जाने वाले निम्नलिखित कार्य निम्न प्रकार हैं—	श.रा. कर्
		तथा पूर्व में E.P.A. के प्रस्ताव निम्न हैं—	श.रा. कर्
		(1) शमशान वाह चबूतरा व डीन डोड निर्माण शमशान वाह की पानी के लिए पर्वत नदी किनारे	श.रा. कर्
		(2) शमशान वाह चबूतरा व डीन डोड निर्माण पर्वत नदी किनारे माझिगे व कुन्नेड नदी के लिए	श.रा. कर्
		(3) शमशान वाह चबूतरा व डीन डोड निर्माण शमशान नदी के लिए केम्पिडल के सामने	श.रा. कर्
		(4) शमशान वाह चबूतरा व डीन डोड निर्माण शमशान नदी के लिए उज्जरता नदी के लिए	श.रा. कर्
		(5) बस स्टैंड के पास पंचायत टैकी व खेल निष्ठा	श.रा. कर्
		(6) पशु चिकित्सालय के पास पंचायत टैकी व खेल निष्ठा	श.रा. कर्

