

DETAILED PROJECT REPORT - PART - II

DPR APPROVAL FROM WATERSHED COMMITTEES

MICROWATERSHED , VILLAGE WISE WORKS & ESTIMATES

MICROWATERSHED , VILLAGE WISE - 5 YEAR ACTION PLAN

CAPACITY BUILDING PLAN FOR THE PROJECT

PROJECT: HOSHIARPUR - IWMP - 5/10-11

DETAILED PROJECT REPORT APPROVAL FROM HEADS OF WATERSHED COMMITTEES

PREPARATION OF DETAILED PROJECT REPORT UNDER IWMP-APPROVAL FROM WATERSHED COMMITTEES

PROJECT IWMP V -DISTRICT HOSHAIRPUR

PIA: DIVISIONAL SOIL CONSERVATION OFFICER, HOSHAIRPUR

THIS IS TO CONFIRM THAT DETAILED PROJECT REPORT UNDER INTEGRATED WATERSHED MANAGEMENT PROGRAM HAS BEEN PREPARED IN CONSULTATION WITH US DURING PRA EXERCISE. WE ALSO CONFIRM THAT ALL THE WORKS HAVE BEEN INCORPORATED AS IDENTIFIED AND EXPLAINED IN GRAM SABHA.

Sr.No.	Name of village	Signatures of office bearers of WC	Sr.No.	Name of village	Signatures of office bearers
1	Chak Sadhu	Jaymal Singh	15	Kondla	Ram Singh
2	Patiani	Prakash Singh	16	Bassi Tauran	Mulshak Singh
3	Jatpur	Rajendra Singh	17	Haripur	Rajendra Singh
4	Mehra	Raghuwair Singh	18	Nasrah	Prakash Singh
5	Dhrowal	Rajendra Singh	19	Badhna	Darshan Singh
6	Mochour	Rajendra Singh	20	Gularowal	Anwar Singh
7	Bassi Kalan	Rajendra Singh	21	Pansowal	Rajendra Singh
8	Lehli Khurd	Kuldip Singh	22	Bhulowal	Rajendra Singh
9	Mannan	Rajendra Singh	23	Singhpur	Rajendra Singh
10	Nani Nangal	Rajendra Singh	24	Rajni Devi	Kamal Singh
11	Bathula	Rajendra Singh	25	Bheroa	Subhash Ram
12	Mai Mazara	Rajendra Singh	26	Bichrohi	Kushal Singh
13	Bassi Ali Khan	Ram Singh	27	Tajewal	Jay Singh Ram
14	Bassi Hast Khan	Sohan Singh			

**MICROWATERSHED WISE , VILLAGE WISE
WORK DETAILS**

**NATURAL RESOURCE
MANAGEMENT WORKS**

HOSHIARPUR – IWMP-5/10-11

ESTIMATES

DETAILS OF WORKS MICROWATERSHED, VILLAGE WISE FOR HOSHIARPUR 5 PROJECT

Sub watershed: Chabbewal						
S.No.	Village	a) Funds Allocated under IWMP for works	b) Convergence with MGNREGA	Convergence with RKVY	Funds available a + b	Total works planning
1	Jattpur	8.06	1.23		9.29	9.30
2	Mehna	12.90	1.30		14.20	14.25
3	Dhirowal	10.15	3.50		13.65	13.70
4	Mochpur	2.15	0.90		3.05	3.05
5	Bassi Kalan	2.28	0.16		2.44	2.44
6	Lehli Khurd	5.64	3.48		9.12	9.13
7	Mannan	21.30	1.50		22.80	22.77
8	Naru Nangal	6.18	1.50		7.68	7.70
9	Bathula	27.28	3.90		31.18	31.20
10	Mal Mazara	11.49	3.25		14.74	14.73
11	Bassi Ali Khan	2.42	0.90		3.32	3.45
12	Bassi Hast Khan	5.98	0.00		5.98	2.00
13	Kondala	2.96	0.60		3.56	8.04
14	Bassi Jauran	2.02	1.23		3.25	3.23
15	Haripur	3.49	0.60		4.09	3.36
	Total	124.30	24.05		148.35	148.35

Village: Jattpur											
S.No.	Type of structure	Nos.	L (in m)	B (in m)	H/D	Contents (in cum)	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Drop Structure	1	2	2	2.5	10	3500	35000		Pritam Singh s/o Amin Chand	1 ha
2	Drop Structure	1	6	2.5	2	30	3500	105000		Gurcharan singh	1.5 ha
3	Drop Structure	1	6	2.5	1.75	26.25	3500	91875		Karnail Singh s/o BantaSingh	2 ha
4	Drop Structure	1	5.9	2.5	1.75	25.81	3500	90344		Jarnail Singh s/o Banta Singh	1.2 ha
5	Drop Structure	1	6.1	2.5	1.8	27.45	3500	96075		Avtar Singh s/o Mehnga Singh	2 ha
6	Drop Structure	1	6	2.5	1.75	26.25	3500	91875		Sukhdev Singh s/o Sucha Singh	1.2 ha
7	Drop Structure	1	6	2.25	2	27	3500	94500		Gurbaksh Singh	1.5 ha
8	Construction of underground pipeline dia 450 mm	75				75	3000	225000	22500	10% cost i.e Rs.22500 from MGNREGA	
9	Field boundaries	5000				5000	20	100000	100000	Funds from MGNREGA	
	Total works							929669	122500		
	Funds from MGNREGA							122500			
	Funds from IWMP							807169			

Village: Bassi Jaura												
S.No.	Type of structure	Nos.	L (in m)	B (in m)	H/D	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact	
1	Drop Structures	4	3	2.5	2	60	3500	210000		Various farmers	4 ha	
	5% Labour charges from MGNREGA									10500		
2	Field Boundaries in m.	1				1150	20	23000	23000		Protection of Arable land 10 ha	
3	Plantation of hedges along choe banks					3000	30	90000	90000		Stream bank protection	
	Total works							323000	123500			
	Funds from MGNREGA							123500				
	Funds from IWMP							199500				

Village: Mehna											
S.No.	Type of structure	Nos.	L (in m)	B (in m)	H/D	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Chute spillway	1	3	2	3	18	3500	63000			1 ha
2	Retaining wall-Stone Masonry	1	25	1.5	2.5	93.75	3500	328125		Common work	4 ha
3	Retaining wall-Stone Masonry for recharging	1	13	1.25	1.25	20.3125	3500	71094		Common work	4 ha
4	Open channel to drain out excess water	1	12	2	1.5	36	3500	126000			
5	Drop structure	1	5	2	2.5	25	3500	87500		Satnam Singh s/o Bir Singh	1 ha
6	Drop structure	1	5	2.5	2.5	31.25	3500	109375		Satnam Singh s/o Bir Singh	1 ha
7	Causeway for the passage of choe and safe connectivity to 9 villages in m.	1	44	3.5				600000	90000	15% labour cost from MGNREGA	
8	Field Boundaries					2000	20	40000	40000		
	Total woks							1425094	130000		
	Funds from MGNREGA							130000			
	Funds from IWMP							1295094			

Village: Bassi Hast Khan											
S.No.	Type of structure	Nos.	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership- Khasra No.	Impact
1	Crate wire Spurs										
	1st step	1	16	2	2	64					
	2nd step	1	16	1	1	16					
	Total cum					80	2500	200000		Common work	Protection of Shamshan Ghat
	Total works							200000			

Village: Mochpur											
S.No.	Type of structure	Nos.	L (in m)	B (in m)	H/D	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Drop Structure	1	5	2	2.5	25	3500	87500		Sohan Singh s/o Banta Singh	2 ha
2	Drop Structure	1	6	2	2.5	30	3500	105000		Kuldip Singh s/o Channan Singh	3 ha
3	Field Boundaries in m.	1				1150	20	23000			Protection of Arable land 10 ha
4	Plantation of hedges along choe banks					3000	30	90000	90000		Stream bank protection
	Total works							305500	90000		
	Funds from MGNREGA							90000			
	Funds from IWMP							215500			

Village: Bassi Kalan											
S.No.	Type of structure	Nos.	L (in m)	B (in m)	H/D	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
2	Drop Structure ROC	1	5	2	3	30	3500	105000			3 ha
3	Stone Masonry Retaining wall	1	6	2	1.5	18	3500	63000			1 ha
4	Drop Structure ROC	1	4	2	2	16	3500	56000			1.5
5	Field Boundaries	Cost Rs.16000 from MGNREGA				1000	20	20000	16000		
	Total works							244000	16000		
	Funds from MGNREGA							16000			
	Funds from IWMP							228000			

Village: Mannan											
S.No.	Type of structure	Nos.	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Drop Structure	1	4	2	2	16	3500	56000		Daulat Singh	1 hha
3	Drop Structure	1	4	2	2	16	3500	56000		Sohan Singh	2 ha
4	Outlet for pond-to drain out excess water	1	10	4	2	80	3500	280000		Common work	
5	Drop Structure	1	4	2	1.75	14	3500	49000		Joginder Singh	1 ha
6	Drop Structure	1	4	2	2	16	3500	56000		Balbir Singh	1.5 ha
7	Drop Structure	1	7	2	2.5	35	3500	122500		Balbir Singh	2
8	Crate wire Structure	1	6	1.5	1	9	2500	22500		Khasra No.46/9, Jarnai Singh, Sardara Singh	2 ha
9	Drop Structure	1	4	2	2	16	3500	56000		Khasra No.46/8, Jarnai Singh, Sardara Singh	2 ha
10	Drop Structure	1	4	2	5	40	3500	140000		Khasra No.46/4, 46/3, Sulakhan Singh, Sardara Singh	2 ha
11	Drop Structure	1	4	2	1.5	12	3500	42000		Khasra No.46/8, Jarnai Singh, Sardara Singh	2 ha
12	Drop Structure	1	4	1.5	3	18	3500	63000		Khasra No.46/8, Jarnai Singh, Sardara Singh	
13	Drop Structure	1	4	2	3	24	3500	84000		Khasra No.30/17, Jarnai Singh, Sardara Singh	3 ha
14	Drop Structure	1	4	2	3	24	3500	84000		Sohan Singh Khasra No.30/3	1.5 ha
15	Drop Structure	2	5	2	1.5	30	3500	105000		Gurdev Singh	2 hha
16	Drop Structure	2	5	2	2.5	50	3500	175000		Dharam Singh	4 ha
17	Drop Structure	3	4	2	2	48	3500	168000		Tarsem Singh	2 ha
18	Drop Structure	1	5	2	3	30	3500	105000		Hans Raj s/o Shiv Singh	1 ha
19	Drop Structure	1	4	2	2	16	3500	56000		Sohan Singh s/o Labh Suingh	1.5 ha
20	Crate wire Structure-Retaining wall	3	25	1.25	1.5	140.625	2500	351563		Sohan Singh s/o Labh Singh	1.5 ha
21	Drop Structure	1	4	2	2	16	3500	56000		Hans Raj s/o Shiv Singh	
23	Field Boundaries in m.					3000	20	60000	60000	MGNREGA	
24	Vegetative hedge along choe bank					3000	30	90000	90000	MGNREGA	
	Total works							2277563	150000		
	Funds from MGNREGA							150000			

	Funds from IWMP							2127563			
Village: Haripur											
S.No.	Type of structure	Nos.	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Drop Structure	1	3	2.5	2.5	18.75	3500	65625		Kirpal Kaur w/o Surjit Singh	1 ha
2	Drop Structure	1	3	2.5	2.5	18.75	3500	65625		Jaswinder Singh	1 ha
3	Drop Structure	1	3	2.5	2.5	18.75	3500	65625		Navinder Kumar s/o Sain Das	1 ha
4	Drop Structure	1	3	2.5	3	22.5	3500	78750		Sansar Chand	1.2 ha
5	Field boundaries in m.					3000	20	60000	60000		
	Total works							335625	60000		
	Funds from MGNREGA							60000			
	Funds from IWMP							275625			

Village: Bassi Ali Khan											
S.No.	Type of structure	Nos.	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Crate wire spurs									Khasra No.7/3,9, 6/24, 7, 2/25	4 ha
	1st step	3	8	2	1	48					
	2nd step	3	8	1	1	24					
	Total cum					72	2500	180000			
2	1st step	1	10	2	1	20					
	2nd step	1	10	1	1	10					
	Total cum					30	2500	75000		Khasra No.7/3,9, 6/24, 7, 2/25	
3	Vegetative hedge in m.					3000	30	90000	90000		
	Total works							345000	90000		
	Funds from MGNREGA							90000			
	Funds from IWMP							255000			

Village: Kondala			Sub watershed: Chabbewal								
S.No.	Type of structure	Nos.	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Drop structure	1	4	2.5	3	30	3500	105000		Swaran Singh, Harnam Singh 6/19	2 ha
3	Drop structure	1	4	2.5	3.5	35	3500	122500		Swaran Singh, Harnam Singh 6/18	2 ha
4	Drop structure	1	5	2.5	3.5	43.75	3500	153125		Sohan Singh, Harnam Singh 6/20-1	3 ha
5	Drop structure	1	5	2.5	3.5	43.75	3500	153125		Jarnail Singh s/o Harjit Singh 6/20-2	3 ha
6	Drop structure	1	5	2.5	2	25	3500	87500		Jarnail Singh s/o Gurdas Singh	0.8
7	Drop structure	1	4	2.5	3.5	35	3500	122500		Karnail Singh s/o Gurdas Singh	2 ha
8	Field boundaries in m.					3000	20	60000	60000		
	Total works							803750	60000		
	Funds from MGNREGA							60000			
	Funds from IWMP							743750			

Village: Mal Mazara											
S.No.	Type of structure	Nos.	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Renovation of village pond-Excavation of earth work for recharging	1	20	15	2	600		300000	225000	Common work-75% from MGNREGA	
2	Inlet for above pond	1	6	2.5	3	45	3500	157500		Pond storage to be utilized for irrigation, drinking water for animals and Aqua culture	
3	Drop structure	1	4	2	2	16	3500	56000		Gurdial Singh s/o Harnam Singh-Khasra No.32/8	1 ha
4	Drop structure	1	4	2	2	16	3500	56000		Joginder Singh - 32/19	1 ha
5	Drop structure	1	4	2	1.5	12	3500	42000		Mangal Singh s/o Gurbachan Singh	1 ha
6	Retaining wall along path	1	35	0.75	2	52.5	3500	183750		Joginder Singh s/o Nidhan Singh-	3 ha
7	Drop structure	1	5	2	1.5	15	3500	52500		Piara Singh	1 ha
8	Drop structure	1	5	2	1.5	15	3500	52500		Raksha w/o Jaswant Singh	1.5 ha
9	Drop structure	1	4	2	2	16	3500	56000		PRI - 9/19	
10	Drop structure	1	5	2	2	20	3500	70000			
11	Retaining wall to road	1	12	0.5	2	12	3500	42000		Common work	
12	Retaining wall to protect Shamshan Ghat	1	50	0.75	2	75	3500	262500		Common work	
13	Drop structure	1	4	2	1.5	12	3500	42000		Chanchal Singh	1 ha
14	Field Boundaries in m.					5000	20	100000	100000		
	Total works							1472750	325000		
	Funds from MGNREGA							325000			
	Funds from IWMP							1147750			

Village: Lehli Khurd											
S.No.	Type of structure	Nos.	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Drop structure	1	4	2	1.5	12	3500	42000		Gian Kaur w/o Gurmail Singh	1 ha
2	Drop structure	2	4	2	2	32	3500	112000		Charanjit Singh s/o Malkit Singh	1 ha
3	Drop structure	1	4	1.5	2	12	3500	42000		Shiv Dev Singh, Bhag singh	0.5 ha
4	Drop structure	1	4	2	1.5	12	3500	42000		Mohinder Singh, Dhartam Singh	0.5 ha
5	Drop structure	1	4	2	2	16	3500	56000		Jarnair Singh s/o Harbhajan Singh	0.8 ha
6	Drop structure	2	4	2	2	32	3500	112000		Gurdev singh, Atma Singh	1.5 jhha
7	Drop structure	1	5	2	1.5	15	3500	52500		Gurdev singh, Atma Singh	1 ha
8	Embankment along choe to protect arable land	1	480	4	2	3840		400000	300000	75% from MGNREGA	20 ha
9	Vegetative hedge along choe in m.					500	30	15000	15000		
10	Field boundaries in m.					2000	20	40000	34000	85% from MGNREGA	7 ha
	Total works							913500	349000		
	Funds from MGNREGA							349000			
	Funds from IWMP							564500			

Village: Bathula											
S.No.	Type of structure	Nos.	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Culvert on choe for the passage of villagers	1	23	1.5				1000000		Common work	
2	Drop Structure	1	5	2	2	20	3500	70000		Mohan Singh - 43/4	1 ha
3	Drop Structure	1	5	2	2	20	3500	70000		Joga Singh	1 ha
4	Drop Structure	1	5	2	2	20	3500	70000		Sadhu Singh	0.8 ha
5	Drop Structure	3	5	1.5	2	45	3500	157500		Didar Singh	2.5 ha
6	Drop Structure	1	8	2	2	32	3500	112000		Charan Singh	1 ha
7	Crate wire Retaining wall-1st step	1	15	2	1	30				Common work	Path and field protection
	2nd step	1	15	1	1	15					
	Total cum					45	3500	157500			
8	Embankment along choe to protect agriculture land	1	135	6	3	2430		200000	200000	Common work for protection of arable land	20 ha
9	Stud along choe bed - 1st step	1	135	1	1.5	202.5				Common work for protection of arable land	
10	2nd step	1	135	0.5	1	67.5					
	Total cum					270	2500	675000			
11	Drop Structure	3	5	2	2.5	75	3500	262500		PRI	3 ha
12	Drop Structure	1	5	2	2	20	3500	70000			
13	Drop Structure	1	4	2	2	16	3500	56000		Gurdial Singh s/o Dilbagh Singh	1 ha
14	Grass sodding on earthen embankment in m.					135		30000			
15	Field Boundaries in m.					5000	20	100000	100000		
16	Planting of vegetative hedge along choe					3000	30	90000	90000		
	Total woks							3120500	390000		
	Funds from MGNREGA							390000			
	Funds from IWMP							2730500			

Village: Naru Nangal											
S.No.	Type of structure	Nos.	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Crate wire Retaining Wall									Common work	Abadi protection
	1st step	1	55	2	1	110					
	2nd step	1	55	1	1	55					
	Total cum					165	2500	412500			
2	Crate wire spurs										
	1st step	2	10	2	1	40					
	2nd step	2	10	1	1	20					
	Total cum					60	2500	150000			
3	Drop Structure	1	5.5	2	1.5	16.5	3500	57750		Sanjeev Kumar	5 ha
4	Field boundaries in m.					3000	20	60000	60000		
5	Vegetative hedge in m.					3000	30	90000	90000		
	Total works							770250	150000		
	Funds from MGNREGA							150000			
	Funds from IWMP							620250			

Village: Dhirowal											
S.No.	Type of structure	Nos .	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Culvert for the disposal of rain water near school	1						150000		Common work	School protection
2	Open channel for drain	1	18	1.5	1.5	40.5	3500	141750		Common work	
3	Crate Wire Spurs	1	10	2	2.5	50	3500	175000		Nirmal Singh	1 ha
4	Crate Wire Spurs	2	10	1.5	2	60	3500	210000		Taru Ram	2 ha
5	Drop structure	2	4	1.5	2	24	3500	84000		Nirmal Singh	2 ha
6	Drop structure	1	4	1.5	2	12	3500	42000		Kuldip Singh	1.5 ha
7	Drop structure	2	5	2	2.5	50	3500	175000			
8	Drop structure	1	4	1.5	2	12	3500	42000		Pyara Singh	1.5 ha
9	Field Boundaries in m.					7000	20	140000	140000		
10	Vegetative hedges in m.					7000	30	210000	210000		
	Total works							1369750	350000		
	Funds from MGNREGA							350000			
	Funds from IWMP							1019750			

Project Hoshiarpur IWMP V		Sub watershed: Chagran			
S.No.	Village	a) Funds Allocated under IWMP	b) Convergence with MGNREGA	Total funds available - IWMP MGNREGA a + b	Total works planning
1	Chak Sadhu	83.73	10.7	94.43	94.38
2	Patiari	55.24	3.38	58.62	58.68
	Total	138.97	14.08	153.05	153.06

Name of Village Patiari											
S No.	Type of Work	No's	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership	impact
1	Drop structures	15	4.5	2	2	270	3500	945000		Joginder Singh S/o Ram Chand, Harbhajan s/o Jindu, Mohinder s/o Ram Chand, Raju s/o Tara Chand, Gurmeet s/o Jindu, Sansar Chand s/o Ram Das	9 ha
2	Drop structures	3	4.5	2	1.5	40.5	3500	141750		Mohinder singh s/o Ram Singh	2 ha
3	Drop structures	5	4	2	2	80	3500	280000		Pritpal ingh s/o Ram Das,	1.2 ha
5	Drop structures	5	7	2	1.5	105	3500	367500		Paramjit Singh s/o Amar Singh	2 ha
6	Run off control structure	5	5	2	2.5	125	3500	437500		Mohinder Singh S/o Chanan Singh 1544	1ha
7	Field Boundaries in kms.	7	20	10	3.5	7000	20	140000	140000	100% Cost from MGNREGA	
8	Crate wire Spurs in the main choe	8	9	1.75	2	252	2500	630000		Land protection-Arable land	9 ha
9	Crate wire Spurs in the main choe	25	7	1.75	2	612.5	2500	1531250			
10	Renovation of village pond 60x50 x.3 m. for recharging					900		150000	105000	70% cost from MGNREGA	1ha
11	crate wire Spurs in the main choe	4	8	1.75	2	112	2500	300000			2ha
12	Stone Masonry Retaining wall	1	120	0.75	1	90	3500	315000		Common work	Protection of road
13	Drainage Line Treatment	40	3	2	1	240	2000	480000			3ha

14	Stream Bank for protection of Arable Land and structures in m	5000					30	150000	93000	from MGNREGA Funds	2ha
	Total works							5868000	338000		
	Funds from MGNREGA							338000			
	Funds from IWMP							5530000			
Note:	Deficit of Rs.6000 to be met from funds allocated for Chak Sadhu										
Name of Village Chak Sadhu											
S No.	Type of Work	No's	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership	impact
1	Earthen Embankment	1	20	3.5	1.5	105		30000	30000	Panchyat land-MGNREGA funds	5ha
2	Pitching of upstream	1	20	2.12	0.3	12.72	1092	13890		Panchyat land	
3	Stud at foot	1	20	1	1	20	2500	50000		Panchyat land	1ha
4	Layout of RCC pipe	1	20	RCC pipes 600 mm dia				100000			3ha
5	Village Pond for recharging- Tarkhan	1	30	20	2	1200		400000	200000	50% cost from MGNREGA	
6	Run off control structure	3	5	2	2.5	75	3500	262500		Mohinder Singh S/o Chanan Singh 1544	1ha
7	Earthen Dam for recharging-	1	20	10	3.5	700		400000	160000	40% cost from MGNREGA	
8	Spillway	1	8	4	1.5	48	3500	168000			
9	Masonry Structure	1	12	1.5	3	54	3500	189000		in the main cho / 2310	2ha
10	Run off control structure	2	5	2	3	60	3500	210000		Raj kumar S/o Gurcharn Dass 1487-88	1ha
11	Earthen Dam in choe for recharging-Mazara Wali Choe	1	30	7	2.5	525		300000	90000	30% cost from MGNREGA	2ha
12	Run off control structure	4	4	2	2	64	3500	224000		Gurcharan Dass S/o Mehin	1ha
13	E/ Structure	1	10	7	2.5	175		200000	200000	MGNREGA Funds	3ha
14	E/ Structure	2	4	2	1.5	24		20000	20000	MGNREGA Funds	2ha
15	Run off control structure	1	5	2	3	30	3500	105000		Gurmeet Ram	1ha
16	Outlet of pond	1	5	2	2	20	3500	70000		Mohinder Singh S/o Chanan Singh	4ha
17	Retaining Wall	2	50	1	2.5	250	3500	875000		Common Land	
18	Stud in path	4	8	0.5	1	16	2500	40000		Common path	
19	Retaining wall Along main road	2	25	1	1.5	75	2500	187500		Along main road	
20	Retaining Wall-crate wire	1	30	1	1.5	45	2500	112500		Joginder Singh S/o Bishan Singh	
21	Run off control structure	9	5	1.5	2	135	3500	472500		Joginder Singh S/o Bishan Singh	1ha

22	Run off control structure	9	5	1.5	1.5	101.25	3500	354375		Balwinder S/o Bawo	6.5
23	Run off control structure	7	4	2	1.5	84	3500	294000		Ram Pal S/o ram Kisor	3ha
24	Run off control structure	2	4	1.5	2	24	3500	84000		Kartar chand S/o Mela ram	4ha
25	Run off control structure	2	5	2	3	60	3500	210000		Suninder Singh S/o Nashib	1ha
26	Run off control structure	3	4	1.5	2	36	3500	126000		chaman Lall S/o Amar Chand	2ha
27	Run off control structure	1	4	2	1.5	12	3500	42000		Garib dass s/o Karam Chand	1ha
28	Run off control structure	1	4	2	1.5	12	3500	42000		Garib dass s/o Karam Chand	.5ha
29	Run off control structure	1	4	2	2	16	3500	56000		Avtar singh S/o Kewan Ram	.87ha
20	Run off control structure	3	5	2	1.5	45	3500	157500		Tarsem Lal S/o Beno Ram	1ha
31	Run off control structure	3	5	2	2	60	3500	210000		Swaran Dass S/o Rakha Ram	1ha
32	Run off control structure	2	4.5	2	1.5	27	3500	94500		Prito S/o Rakha Ram	1ha
33	Run off control structure	3	5	2	1.5	45	3500	157500		Gopal dass S/o	1.2ha
34	Run off control structure	2	5	2	2	40	3500	140000		Gurnam Dass S/o Sant ram	1ha
35	Retaining Wall-crate wire	1	120	1	1.5	180	2500	450000		Kuldeep Kumar S/o Sant Singh	3ha
36	Run off control structure	2	4.5	1.5	2	27	3500	94500		Jaspal Singh S/o Amar Chand	1ha
37	Run off control structure	2	5	2	2	40	3500	140000		Anant Ram S/o gangu Ram	1.5ha
38	Run off control structure	6	5	2	2	120	3500	420000		Sukhwinder S/o Gurdeep Singh	1.5ha
39	Run off control structure	5	5	2	2	100	3500	350000		Pardhuman Singh S/o Jashwinder	3ha
40	Run off control structure	5	4.5	2	1.5	67.5	3500	236250		Pardhuman Singh S/o Jashwinder	5ha
41	Run off control structure	2	4.5	2	2	36	3500	126000		Chaman Dass S/o Bedi ram	1.5ha
42	Run off control structure	2	4.5	2	2	36	3500	126000		Hari Dass S/o Jagiri Ram	1ha
43	Run off control structure	2	4.5	2	1.5	27	3500	94500		Joga Singh S/o Gajju Ram	1ha
44	Run off control structure	2	4.5	2	1.5	27	3500	94500		Mangat Singh S/o Gajja Singh	1ha
45	Run off control structure	2	4.5	2	1.5	27	3500	94500		Nirmal Singh S/o Chaman Ram	1ha
46	Run off control structure	2	4.5	2	1.5	27	3500	94500		Beant Singh S/o Kehar Singh	1ha
47	Run off control structure	3	4.5	2	2	54	3500	189000		Tarsem Singh S/o Ram Chand	2ha
48	Crate Wire Spurs in the main choe	4	8	2	2	128	2500	320000	160000	50% cost from MGNREGA	6ha
49	Field boundaries					7000	30	210000	210000		
50	Renovation of pond deepening of existing pond	1	55	50	2.50	6875					
	Clay Blanket puddling		55	50	0.30	825					
	Renovation of Pond-Pirhan wala pond-expansion of land dimension by 15 mts. on three sides for increasing storage capacity – deepening of existing pond by 1 mtr., clay blanket puddling, Provision for fencing, outlet and								120000	Convergence with RKVY	

	underground pipes from deep tubewell to pond – 60 mtres with 250 mm in RCC pipes									
	Total works							10637515	2270000	
	Funds from MGNREGA							1070000		
	Funds from RKVY							1200000		
	Funds from IWMP							8367515		
Note: Surplus funds to the tune of Rs.6000 transferred to Patiari village to meet the deficit.										

Sub watershed: Rajani Devi-Bichhohi					
S.No.	Village	a) Funds Allocated under IWMP	b) Convergence with MGNREGA	Total funds available - IWMP & MGNREGA a+b	Total works planning
1	Nasran	12.03	4	16.03	25.42
2	Badhna	3.43	2.3	5.73	8.06
3	Gukkarwal	8.74	0.85	9.59	15.39
4	Parsowal	4.37	5	9.37	11.44
5	Bhulewal Rathan	8.74	3.08	11.82	13.03
6	Singhpur	6.92	5.3	12.22	14.49
7	Rajani Devi	4.17	2.7	6.87	12.12
8	Bherua		2		28
9	Bichhohi	163.97	7	172.97	110.45
10	Tajewal	11.56	1	12.56	18.76
		223.93	33.23	257.16	257.16

Village: Tajewal

S.No.	Type of structure	Nos.	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Drop structure	1	4	2	1.5	12	3500	42000		Balbir Singh	1 ha
2	Drop structure	1	5	2	1.5	15	3500	52500		Balbir Singh	1 ha

3	Chute type ROC	1	4	2	3.5	28	3500	98000		Balbir Singh	2 ha
4	Drop structure	1	5	2	2	20	3500	70000		Jagtar Singh	1 ha
5	Drop structure	1	4	2	2	16	3500	56000		Jaswant Singh	1 ha
6	Drop structure	1	4	2	2	16	3500	56000		Surjit Singh	1 ha
7	Drop structure	1	4	2	2	16	3500	56000		Harvinder Singh	1 ha
8	Drop structure	1	4	2	2	16	3500	56000		Gurmit Singh,Nand Singh	1 ha
9	Drop structure	1	4	1.5	2.5	15	3500	52500		SukhchainSingh	1 ha
10	Drop structure	1	4	2	2.5	20	3500	70000		Ramesh Lal	2 ha
11	Drop structure	1	6	1.5	1.5	13.5	3500	47250		Bhag Singh	1 ha
12	Drop structure	1	5	1.5	2	15	3500	52500		Bikar Singh	1 ha
12	Drop structure	2	5	1.5	2	30	3500	105000		Common work-Gurdwara Dera Sahib	
14	Drop structure	1	4	1.5	2	12	3500	42000		Navdeep Singh,Sohan Singh	1 ha
15	Drop structure	1	4	2	2	16	3500	56000		Ranjit Singh,Jagjit Singh	1 ha
16	Drop structure	1	4	2	1.5	12	3500	42000		Karnail Singh	1 ha
17	Drop structure	1	5	1.5	2	15	3500	52500		Swarana Rams/o Sadhu Ram	1 ha
18	Drop structure	2	4.5	1.5	2	27	3500	94500		Kuldip Singh	1.5 ha
19	Drop structure	2	7	2	1.5	42	3500	147000		Gurmej Kaur w/oGian Chand	2.5 ha
20	Drop structure	2	4.5	2	1.5	27	3500	94500		Jinder Pal s/oPiara Singh	2 ha
21	Field boundaries		5000			5000	20	100000	100000		
22	Drop structure	2	4	2	2.5	40	3500	140000		Jagatji Singh	2 ha
23	Drop structure	2	4	2	1.5	24	3500	84000		Gurmel Singh s/oAmar Singh	1.5 ha
24	Drop structure	2	4	2	1.5	24	3500	84000		Bagicha Ram	1.5 ha
25	Drop structure	3	4	2	1.5	36	3500	126000		Ajit Singh s/o Dhanna Singh	4 ha
	Total works							1876250	100000		
	Funds from MGNREGA							100000			
	Funds from IWMP							1776250			

Village Bherua & Bichhohi			Part I	Village: Bherua							
S No.	Type of Work	No's	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership	impact
1	Retaining Wall-ROC	2	6	1.25	1.5	22.5	3500	78750		Path leads to field	4 ha
2	Run Off Control structure	1	4	2	1.5	12	3500	42000		Joginder Ram S/o Joga Ram	1 ha
3	Run Off Control structure	1	5	2	1.5	15	3500	52500		Jagvinder Singh S/o Gopal Singh	
4	Retaining Wall-ROC	2	8	1	1.5	24	3500	84000		In the Path leading to fields	5ha
5	Run Off Control structure	2	5	2	1.5	30	3500	105000		Som Nath S/O Dlipa	2 ha
6	Retaining Wall-ROC	1	5	1.5	1	7.5	3500	26250		Common Land	2 ha
7	Run Off Control structure	1	5	1.5	1	7.5	3500	26250		Magat Singh S/O Kartar Singh	2 ha
8	Retaining Wall-Crate wire	1	15	1	1	15	2500	37500		Magat Singh S/O Kartar Singh	2 ha
9	Retaining Wall-Crate wire	1	10	1.25	1.5	18.75	2500	46875		Path Protection	5 ha
10	Retaining Wall-Crate wire	1	4	1	1.5	6	2500	15000		For bed stablization	
11	Run Off Control structure	5	5	1.5	2	75	3500	262500		Bagga S/O Shiv Singh	10 ha
12	Run Off Control structure	1	5	1.5	2	15	3500	52500		Jagdev Singh S/o Sant Ram	1 ha
13	Run Off Control structure	1	4	1.5	2	12	3500	42000		Gurbachan Singh	1 ha
14	Run Off Control structure	2	5	1.5	2	30	3500	105000		Swaran S/o Rulia	3 ha
15	Retaining Wall Masonry	1	10	1	0.75	7.5	3500	26250		Path Protection	2 ha
16	Run Off Control structure	1	7	2.5	1.5	26.25	3500	91875		Path Protction	2.6 ha
17	Run Off Control structure	2	5	2	2	40	3500	140000		Ram Singh S/o Joginder	1 ha
18	Run Off Control structure	1	5	0.5	2	5	3500	17500		Mohiot S/o Pritu	1 ha
19	Small Structures	6	7	0.5	0.75	15.75	3500	55125		Common in the Path to prevent erosion	
20	Run Off Control structure	3	5	2	2	60	3500	210000		Gurnam	2 ha
21	Chute structure	1	3	1	9	27	3500	94500		9//16	
22	Run Off Control structure	1	5	2	1.5	15	3500	52500		6//4	
23	Run Off Control structure	2	6	2	2.5	60	3500	210000		Balbir Singh S/o Swaran Singh	1.5 ha

24	Masonry Structure-ROC	3	7	2	2.5	105	3500	367500		Jagdip SinghS/o Lali	5 ha
25	Run Off Control structure	1	5	2	2	20	3500	70000		Darshan Singh S/oHazara ram	1 ha
26	Run Off Control structure	1	4.5	2	2	18	3500	63000		Ram Dass	1 ha
27	Crate Wire Structure	2	10	1.75	1.5	52.5	2500	131250		Ugdit singhS/o Phuman Singh	3 ha
28	Run Off Control structure	2	4.5	2	1.5	27	3500	94500		Ugdit singhS/o Phuman Singh	1 ha
29	Field boundaries		10000				20	200000	200000		
	Total works							280012 5	200000		
	Funds from MGNREGA							200000			
	Funds from IWMP							260012 5			

Part II		Village Bichhohi									
S No.	Type of Work	No's	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership	impact
1	Crate Wire Structure	1	13	2	3	78	2500	195000		Common Land	
2	Crate Wire Structures	3	35	2.5	3	787.5	2500	1968750		Common Land	
3	Crate Wire Structures	4	25	1	1	100	2500	250000		Common Land	
4	Retaining Wall Masonry	1	16	1.5	2	48	3500	168000		Common Land	
5	Retaining Wall-Top width 1 mtr-Bottom width 2 m.	1	20	1.5	2	60	3500	210000		Common Land	
6	Run Off Control structures	8	6	3	2.5	360	3500	1260000		Prem Nath Parveen Kumar Raman Kumar Nirmla Devi	
7	Stone Masonry	3	16	1.5	3	216	3500	756000		Harmesh Singh S/O Dlip Singh Rameshvar S/O Baktawar Singh Prem Nath	
	Crate Wire Spurs										
8	1st step	1	10	2	1	20				Joginder Ram S/o Jogga Ram	
	2nd step	1	10	1	1	10					

	Total cum					30	2500	75000		Prem Nath Parveen Kumar Raman Kumar Nirmla Devi	
9	Retaining Wall Stone Masonry	1	19	1.5	2	57	3500	199500		Common Land	Along Path to protect erosion and recharging
10	Small masonry Structures	5	3	0.5	1	7.5	3500	26250		Common Land	In the path B wise to stabilize the path and field
11	Small masonry Structures	6	3	0.5	1	9	3500	31500		Common Land	In the path B wise to stabilize the path and field
12	Small masonry Structures	5	3	1	1	15	3500	52500		Common Land	In the path B wise to stabilize the path and field
13	Drop Structures	4	4	2	2.5	80	3500	280000		Prithi pal S/o Karm Chand Khasra No.40//4,5	Protection to field of 2 ha
14	Drop Structures	3	4	2	3.5	84	3500	294000		Ravinder s/o Chand Singh	Protection to field of 1.5 ha
15	Drop Structures	1	5	2	3.5	35	3500	122500		Rakesh kumar s/o Faquir Chand	Protection to field of 1.5 ha
16	Drop Structures	1	660 mtrs	6"dia			350	231000		Rakesh kumar s/o Faquir Chand -15% labour cost from MGNREGA	Laying of pipes line for irrigation to fields
17	Drop Structures	5	5	2.25	3	168.75	3500	590625		Baldeep singh s/o Balwant singh	Protection to field of 5 ha

18	Retaining Wall	1	50	1.5	2.5	187.5	3500	656250		Common Land	Retaining wall near kata to protect the path and sliding
19	Retaining Wall	1	15	2	3	90	3500	315000		Common Land	Retaining wall near kata to protect the path and sliding
20	Drop Structures	3	5	2	2.5	75	3500	262500		Gurcharan Singh s/o bhagal singh	Protection to field of 2 ha
21	Retaining Wall	1	15	1.5	2	45	3500	157500		Common Land	Protection to field of 0.5 ha
22	Drop Structures	3	5	2	2	60	3500	210000		Sarop Singh s/o pram singh Khasra No. 45//7	Protection to field of 2 ha
23	Drop Structures	1	8	1.5	2	24	3500	84000		Chain singh M1stry	Protection to field of 1 ha
24	Drop Structures	2	4.5	1.5	2	27	3500	94500		Arun Kumar s/o ranbir Singh Khasra No. 48//5	Protection to field of 1 ha
25	Drop Structures	6	4.5	1.5	2	81	3500	283500		Joginder Singh s/o Karam Singh	Protection to field of 3 ha
26	Drop Structures	2	4.5	2	2.5	45	3500	157500		Hari Singh s/o Wariam Singh	Protection to field of 2 ha
27	Drop Structures	3	5	2	2	60	3500	210000		Jit Singh s/o sango	Protection to field of 1 ha
28	Drop Structures	4	4	2	2	64	3500	224000		Nirmal Singh S/o Channan Singh	Protection to field of 2 ha
29	Drop Structures	10	5	2	2	200	3500	700000		Rajan Dhir s/o sardari Dhir	Protection to field of 14 ha

30	Drop Structures	5	4	2	2	80	3500	280000		Jagail Singh sa/o Ashok Kumar	Protection to field of 8 ha
31	Field boundaries		20000				20	400000	400000		
32	Plantation of hedges		10000				30	300000	300000		
	Total works							11045375	700000		
	Funds from MGNREGA							700000			
	Funds from IWMP							10345375			

Village: Rajani Devi											
S No.	Type of Work	No's	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership	impact
1	Earthen Embankment along choe-Top width 1.5 m. Bottom width 4.5 m.	1	140	3	1.5	630		200000	200000	Common work- impact on 20 ha arable land	Embankment around choe to protect fields and h1 storical temple
2	Open channel	1	80					200000	30000	Common work-15% from MGNREGA	
3	Run Off Control structure	2	5	2	2	40	3500	140000		Mangat Singh S/o Kartar Singh	3ha
4	Run Off Control structure	3	5	2	2.5	75	3500	262500		Mahant of Rajni Devi	2ha
5	Run Off Control structure	5	5	2	2	100	3500	350000		Mahant of Rajni Devi	2ha
6	Grass sodding along earthen embankment		140					20000			
7	Field boundaries		2000				20	40000	40000		
	Total works							1212500	270000		

	Funds from MGNREGA					270000			
	Funds from IWMP					942500			

Village: Bhulewal Rathan											
S No.	Type of Work	No's	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership	impact
1	Drain-excavation of earthen drain to dispose off waste water from village to choe	1	44	1	1	44		125000	125000	Common work	Drain provided for draining out sewage water of the village
2	Crate Wire Structure-Retaining wall									To protect the play ground from flood	
	1st step	2	15	1.5	1	45					
	2nd step	2	15	1	1	30					
	Total cum					75	2500	187500			
3	Run Off Control structure	3	6	2	1.5	54	3500	189000		Namberdar Ratan Singh S/o Kartar Singh	1 ha
4	Dug out Pond for irrigation	1	30	20	1.5	900		200000	100000	50% cost from MGNREGA	6 ha
5	Retaining wall -Foundation 0.60, above ground 0.75	1	100	0.75	1.35	101.25	3500	354375		Boundary Wall around the pond	
6	Run Off Control structure	1	5	2	1.7	17	3500	59500		Garmmeet Singh S/o Parthvi Singh	1 ha
7	Run Off Control structure	1	5	2	1.5	15	3500	52500		Baldev Singh S/o Kartar Singh	1.5 ha
8	Run Off Control structure	1	5	2	1.5	15	3500	52500		Chain singh S/o Mota singh	1.5 ha
9	Plantation of hedge along drain		88			88	30	2640	2640	MGNREGA	
10	Field boundaries along field bunds		4000			4000	20	80000	80000	MGNREGA	
	Total works							1303015	307640		
	Funds from MGNREGA							307640			

	Funds from IWMP						995375			
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Village: Parsowal											
S No.	Type of Work	No's	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership	impact
1	Drain - excavation of earthen drain for the safe disposal of waste water from village to choe	1	330	0.75	1	247.5		400000	400000	Common work	Safe disposal of waste water
2	Retaining Wall	1	10	1	1	10	3500	35000		Protection of SC abadi	2ha
3	Run Off Control structure	1	10	1.5	2	30	3500	105000		Madan Lal S/o Bishan dass & Dushan Singh S/o Munish	2 ha
4	Run Off Control structure	1	5	2	3	30	3500	105000		Sucha S/o Sogh Ram	.5ha
5	Run Off Control structure	2	3	1.5	1	9	3500	31500		Ashok S/o gian Chand	2ha
6	Run Off Control structure	1	5	1.5	2	15	3500	52500		Dushyant S/o Munsha	3ha
7	Run Off Control structure	1	5	1.5	2	15	3500	52500		Sohan Singh S/o Guljar Singh	1ha
8	Run Off Control structure	1	5	2	1.5	15	3500	52500		Arjan S/o Hazara Singh	1ha
9	Drop structure	2	5	2	1.5	30	3500	105000		Vidya Sagar s/o Mela Ram	2 ha
10	Drop structure	1	5	2	1.5	15	3500	52500		Deepak Kumar s/o Madan Lal	1 ha
11	Drop structure	1	5	2	1.5	15	3500	52500		Rakesh Kumar s/o Girdhari Lal	1 ha
12	Field Boundaries		5000			5000	20	100000	100000		
	Total works							1144000	500000		
	Funds from MGNREGA							500000			
	Funds from IWMP							644000			

Village: Singhpur											
S No.	Type of Work	No's	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership	impact

1	Renovation of village Pond-Earth work for recharging	1	45	40	1	1800		300000	300000	Common work	
2	Embankment of around above Pond	1	170	2.25	1	382.5		150000	150000	Common work	
3	Inlet & Outlet of above pond	2	6	3	1.5	54	3500	189000		Common work	
4	Run Off Control structure	1	5	2	1.5	15	3500	52500		Mohinder Singh S/o Prem Nath	2.8 ha
5	Run Off Control structure	1	5	2	1.5	15	3500	52500		Jagjit Singh S/o Pritam Singh	1.8ha
6	Run Off Control structure	1	5	2	1.5	15	3500	52500		Surjit Singh S/o Chanan Singh	1ha
7	Run Off Control structure	1	5	2	1.5	15	3500	52500		Jagdev Singh S/o Chanan Singh	1.5ha
8	Run Off Control structure	1	5	2	3	30	3500	105000		Daljit Singh S/o Chanan Singh	2ha
9	Run Off Control structure	1	5	2	3	30	3500	105000		Sharif Mohamed s/o Jalal Din	2ha
10	Run Off Control structure	2	5	2	1.5	30	3500	105000		Karamjit w/o Gurmukh	1.5 ha
11	Run Off Control structure	1	5	2	1.5	15	3500	52500		Tarlochan Singh s/o Udham Singh	1.5 ha
12	Run Off Control structure	1	5	2	2	20	3500	70000		Paramjit Kaur w/o Surjit Kaur	1.5 ha
13	Grass sodding on the embankment of pond							17000			
14	Field boundaries	1	4000			4000	20	80000	80000		
	Total works							1383500	530000		
	Funds from MGNREGA							530000			
	Funds from IWMP							853500			

Name of Watershed: Rajni Devi-Bichhoi				Village Ghukkarwal							
S No.	Type of Work	No's	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership	impact
1	Inlet & Outlet of village pond	2	9	4	1.5	108	3500	378000		Common work	For irrigation and drinking water for cattle

2	Run Off Control structure	2	6	2	1.5	36	3500	126000		Avtar Singh S/o Laksman Singh	3 ha
3	Run Off Control structure	1	10	2	1.5	30	3500	105000		Satpal S/o Chiranji Lal	1 ha
4	Run Off Control structure	1	7	2	1.5	21	3500	73500		Ajaib Singh	0.8ha
5	Run Off Control structure	2	5	2	1.5	30	3500	105000		Kashmir singh S/o Madhav Singh	1.5 ha
6	Run Off Control structure	3	5	1.5	2	45	3500	157500		Parmjit Singh S/o Lakshman Singh	2.5 ha
7	Run Off Control structure	1	7	2	1.5	21	3500	73500		Panchyat land	.8 ha
8	Drop structure	3	5	2	1.5	45	3500	157500		Manohar Singh	2 ha
9	Field Boundaries in m		5000			5000	20	100000	85000	Raghubir Singh s/o Rulia	2 ha
10	Chute Structure-Stone Masonry	3	5	2	2.5	75	3500	262500			
	Total works							1538500	85000		
	Funds from MGNREGA							85000			
	Funds from IWMP							1453500			

Village: Badhna		Sub wartershed: Rajni Devi-Bichhohi									
S.No.	Type of structure	Nos.	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership-Khasra No.	Impact
1	Causeway in choe to provide easy access to fields	1	14	3	1	42		200000	60000	Rs.30000 - 15% Labour cost from MGNRREGA- Common work	Easy access to fields
2	Earthen embankment	1	75	6	3	1350		200000	170000		Easy access to fields
3	Drop structure	2	4	2	2	32	3500	112000		Swaran Singh	Field protection
4	Drop structure	2	5	2	2	40	3500	140000		Dilbagh Singh	Field protection
5	Drop structure	1	4	1.5	2	12	3500	42000			
6	Drop structure	2	4	2	2	32	3500	112000			
	Total works							806000	230000		
	Funds from MGNREGA							230000			
	Funds from IWMP							576000			

Village: Nasran											
S No.	Type of structure	No's	L (in m)	B (in m)	Ht/ depth	Contents in cum	Rate	Total cost	Convergence MGNREGA	Ownership	impact
1	Run Off Control structure	2	5	2.2	2	44	3500	154000		Tarsem Singh S/o Nawb Singh	1.5 ha
2	Run Off Control structure	1	4	2	2	16	3500	56000		Joga Singh S/o Mula Singh	1 ha
3	Run Off Control structure	1	4	2	2	16	3500	56000		Joga Singh S/o Mula Singh	2 ha
4	Run Off Control structure	1	5	2	2	20	3500	70000		Buta Singh S/o Rattan Singh	2 ha
5	Run Off Control structure	1	5	1.5	2	15	3500	52500		Tarlok Singh	1.5 ha
6	Run Off Control structure	1	5	1.5	2	15	3500	52500		Gani Ram s/o Jai Ram	1 ha
7	Run Off Control structure	1	4	1.5	2	12	3500	42000		Sheesh Singh	4 ha
8	Run Off Control structure	1	5	2	2	20	3500	70000		Hatrdeep singh	2 ha
9	Run Off Control structure	2	5.5	2	2	44	3500	154000		Bhula S/o shashi	2 ha
10	Run Off Control structure	1	5	2	1.5	15	3500	52500		Hardeep Singh S/o gain Singh	1 ha
11	Run Off Control structure	4	5	2	2	80	3500	280000		Balwinder Kaur W/o Harmesh Singh	1 ha
12	Run Off Control structure	6	6	2	2	144	3500	504000		Sohan Singh S/o Joga Singh	1 ha
13	Run Off Control structure	4	4	2	2	64	3500	224000		Balbir Singh s/o Jeet Singh	8 ha
14	Run Off Control structure	2	4	2	2	32	3500	112000		Swaran Chand S/o Nanak Chand	8 ha
15	Renovation of pond	1	4000	Sqr mtr	1			300000	300000	Panchyat land-MGNREGA funds	40 ha
16	Inlet & Outlet	2	6	5	1	60	3500	210000		Panchyat land	
17	Field Boundaries in m.		5000				20	100000	100000		
18	Stone Masonry Retaining wall	1	10	1	1.5	15	3500	52500		To protect the path to temple	
	Total woks							2542000	400000		
	Works from MGNREGA							400000			
	Works from IWMP Funds							2142000			

5 YEARS ACTION PLAN
MICROWATERSHED WISE , VILLAGE WISE

**NATURAL RESOURCE
MANAGEMENT WORKS**

HOSHIARPUR – IWMP-5/10-11

2011-12 TO 2015-16

5 YEARS ACTION PLAN MICROWATERSHED WISE VILLAGE WISE

Village: Jattpur									2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S.No	Type of structure	Nos .	L in m	B in m	H /D	Conten ts in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	ROC	1	2		2.5	10	3500	35000			1	0.35							1	0.35
2	ROC	1	6		2	30	3500	105000	1	1.05									1	1.05
3	ROC	1	6		1.75	26.25	3500	91875						1	0.92				1	0.92
4	ROC	1	5.9		1.75	25.81	3500	90335								1	0.9		1	0.90
5	ROC	1	6.1		1.8	27.45	3500	96075					1	0.96					1	0.96
6	ROC	1	6		1.75	26.25	3500	91875									1	0.92	1	0.92
7	ROC	1	6		2	27	3500	94500					1	0.95					1	0.95
8	Constructi on of underground pipeline dia 450 mm	75				75	3000	202500			1	2.02							1	2.02
10% Labour cost to be met from MGNREGA								22500			1	0.23							1	0.23
9	Field boundarie s	5000				5000	20	100000	1000	0.20	1000	0.20	1000	0.20	1000	0.20	1000	0.20	5000	1.00
Total works								929660												
Funds from MGNREGA								122500												
Funds from IWMP								807160												
Total										1.25		2.8		2.11		1.12		2.02		9.3
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

Village: Mehna									2011-12		2012-13		2013-14		2014-15		2015-16		Total		
S.No.	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	
1	Chute spillway	1	3	2	3	18	3500	63000	1	0.63									1	0.63	
2	Retaining wall-Stone Masonry	1	25	1.5	2.5	93.75	3500	328125									1	3.28	1	3.28	
3	Retaining wall-Stone Masonry	1	13	1.25	1.25	20.31	3500	71094			1	0.71							1	0.71	
4	Open channel to drain out excess water	1	12		1.5	0	3500	0			1	1.26							1	1.26	
5	ROC	1	5		2.5	25	3500	87500							1	0.88			1	0.88	
6	ROC	1	5		2.5	31.25	3500	109375	1	1.09									1	1.09	
7	Causeway for the passage of choe and safe connectivity to 9 villages in m.	1	44	3.5				510000					44	5.1					44	5.10	
	15% labour cost from MGNREGA - Total cost 6 lacs								90000					44	0.9					44	0.90
8	Field Boundaries					2000	20	40000	500	0.10	500	0.1			500	0.1	500	0.1	2000	0.40	
	Total woks							1299094											0	0.00	
	Funds from MGNREGA								130000										0	0.00	
	Funds from IWMP								1169094												
	Total									1.82		2.07		6		0.98		3.38		14.25	
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																				
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																				

Village: Bassi Jaura									2011-12		2012-13		2013-14		2014-15		2015-16		Total		
S.No.	Type of structure	No s.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	
1	Drop Structures	4	3		2	60	3500	210000			1	0.5	1	0.5	1	0.5	1	0.5	4	2.00	
	5% Labour charges from MGNREGA i.e Rs.10000											0.03		0.02		0.03		0.02	0	0.10	
2	Field Boundaries in m.	FUNDS FROM MGNREGA				1150	20	23000	550	0.11	600	0.12								1150	0.23
3	Plantation of hedges along choe banks	FUNDS FROM MGNREGA				3000	30	90000	1000	0.3	1000	0.3								3000	0.90
	Total works							323000													
	Funds from MGNREGA							123000													
	Funds from IWMP							200000													
	Total									0.41		0.95		0.82		0.53		0.52		3.23	
NOTE	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																				
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																				

Village: Mochpur									2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S.No.	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Drop Structure	1	5		2.5	25	3500	87500									1	0.87	1	0.87
2	Drop Structure	1	6		2.5	30	3500	105000					1	1.05					1	1.05
3	Field Boundaries in m.	1				1150	20	23000	1150	0.23									1150	0.23
4	Plantation of hedges along choe banks					3000	30	90000			1500	0.45			1500	0.45			3000	0.90
	Total works							305500											0	0.00
	Funds from MGNREGA							90000											0	0.00
	Funds from IWMP							215500											0	0.00
										0.23		0.45		1.05		0.45		0.87		3.05
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

Village: Bassi Kalan									2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S.No.	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
2	Drop Structure ROC	1	5		3	30	3500	105000			1	1.05							1	1.05
3	Stone Masonry Retaining wall	1	6	2	1.5	18	3500	63000							1	0.63			1	0.63
4	Drop Structure ROC	1	4		2	16	3500	56000	1	0.56									1	0.56
5	Field Boundaries	Cost Rs.16000 from MGNREGA				800	20	16000					400	0.08			400	0.08	800	0.16
	Field Boundaries	Cost Rs.16000 from MGNREGA				200	20	4000							200	0.04			200	0.04
	Total works							244000												
	Funds from MGNREGA								16000											
	Funds from IWMP								228000											
	Total									0.56		1.05		0.08		0.67		0.08		2.44
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

Village: Mannan									2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S.No	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	ROC	1	4		2	16	3500	56000	1	0.56									1	0.56
2	ROC	1	4		2	16	3500	56000	1	0.56									1	0.56
3	Outlet for pond-to drain out excess water	1	10	4	2	80	3500	280000					1	2.8					1	2.80
4	ROC	1	4		1.75	14	3500	49000	1	0.49									1	0.49
5	ROC	1	4		2	16	3500	56000	1	0.56									1	0.56
6	ROC	1	7		2.5	35	3500	122500			1	1.23							1	1.23
7	Crate wire Structure	1	6	1.5	1	9	2500	22500	1	0.23									1	0.23
8	ROC	1	4		2	16	3500	56000			1	0.56							1	0.56
9	ROC	1	4		5	40	3500	140000			1	1.4							1	1.40
10	ROC	1	4		1.5	12	3500	42000	1	0.42									1	0.42
11	ROC	1	4		3	18	3500	63000			1	0.63							1	0.63
12	ROC	1	4		3	24	3500	84000					1	0.84					1	0.84
13	ROC	1	4		3	24	3500	84000			1	0.84							1	0.84
14	ROC	2	5		1.5	30	3500	105000			1	0.53	1	0.52					2	1.05
15	ROC	2	5		2.5	50	3500	175000					1	0.88			1	0.9	2	1.75
16	ROC	3	4		2	48	3500	168000					2	1.12	1	0.56			3	1.68
17	ROC	1	5		3	30	3500	105000			1	1.05							1	1.05
18	ROC	1	4		2	16	3500	56000									1	0.6	1	0.56
19	Crate wire Structure-Retaining wall	3	25	1.25	1.5	140.6	2500	351563							2	2.34	1	1.2	3	3.52
20	ROC	1	4		2	16	3500	56000									1	0.6	1	0.56
21	Field Boundaries in m.					3000	20	60000			750	0.15	750	0.15	750	0.15	750	0.2	3000	0.60

22	Vegetative hedge along choe bank				3000	30	90000			750	0.22	750	0.23	750	0.22	750	0.2	3000	0.9
	Total works						2277563												
	Funds from MGNREGA						150000												
	Funds from IWMP						2127563												
	Total								2.82		6.61		6.54		3.27		3.6		22.79
NOTE	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																		

Village: Haripur									2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S.No	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	ROC	1	3		2.5	18.75	3500	65625							1	0.66			1	0.66
2	ROC	1	3		2.5	18.75	3500	65625					1	0.66					1	0.66
3	ROC	1	3		2.5	18.75	3500	65625									1	0.65	1	0.65
4	ROC	1	3		3	22.5	3500	78750			1	0.79							1	0.79
5	Field boundaries in m.					3000	20	60000	2000	0.4	1000	0.2							3000	0.60
	Total works							335625												
	Funds from MGNREGA							60000												
	Funds from IWMP							275625												
	Total									0.4		0.99		0.66		0.66		0.65		3.36
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

Village: Kondala									2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S.No	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	ROC	1	4		3	30	3500	105000			1	1.05							1	1.05
3	ROC	1	4		3.5	35	3500	122500			1	1.22							1	1.22
4	ROC	1	5		3.5	43.75	3500	153125					1	1.53					1	1.53
5	ROC	1	5		3.5	43.75	3500	153125							1	1.53			1	1.53
6	ROC	1	5		2	25	3500	87500	1	0.88									1	0.88
7	ROC	1	4		3.5	35	3500	122500									1	1.23	1	1.23
8	Field boundaries in m.					3000	20	60000	1000	0.2	1000	0.2	1000	0.2					3000	0.60
	Total works							803750												
	Funds from MGNREGA							60000												
	Funds from IWMP							743750												
										1.08		2.47		1.73		1.53		1.23		8.04
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

Village: Bassi Hast Khan									2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S.No.	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Crate wire Spurs																		0	0.00
	1st step	1	16	2	2	64														
	2nd step	1	16	1	1	16														
	Total cum					80	2500	200000									1	2	1	2.00
	Total works							200000												
	Total																1	2	1	2.00

Village: Bassi Ali Khan																				
S.No .	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	2011-12		2012-13		2013-14		2014-15		2015-16		Total	
1	Crate wire spurs								Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
	1st step	3	8	2	1	48														
	2nd step	3	8	1	1	24														
	Total cum					72	2500	180000					1	0.6	1	0.6	1	0.6	3	1.80
2	1st step	1	10	2	1	20														
	2nd step	1	10	1	1	10														
	Total cum					30	2500	75000			1	0.75								0.75
3	Vegetative hedge in m.					3000	30	90000	1000	0.3	1000	0.3	1000	0.3					3000	0.90
	Total works							345000												
	Funds from MGNREGA							90000												
	Funds from IWMP							255000												
	Total									0.3		1.05		0.9		0.6		0.6		3.45

Village: Mal Mazara									2011-12		2012-13		2013-14		2014-15		2015-16		Total		
S.No	Type of structure	Nos	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	
1	a) Renovation of village pond-Excavation of earth work etc.		20	15	2	0		300000			1	0.75							1	0.75	
	b) Renovation of village pond-Excavation of earth work etc.		Total Cost 3 lacs - Rs.225000 - 75% cost to be met from MGNREGA and Rs.75000 - 25% cost to be met from Project										2.25							0	2.25
2	Inlet for above pond	1	6	2.5	3	45	3500	157500			1	1.58							1	1.58	
3	ROC	1	4	2	2	16	3500	56000	1	0.56									1	0.56	
4	ROC	1	4		2	16	3500	56000	1	0.56									1	0.56	
5	ROC	1	4		1.5	12	3500	42000	1	0.42									1	0.42	
6	Retaining wall Stone Masonry along path	1	35	0.75	2	52.5	3500	183750									1	1.84	1	1.84	
7	ROC	1	5		1.5	15	3500	52500			1	0.53							1	0.53	
8	ROC	1	5		1.5	15	3500	52500						1	0.52				1	0.52	
9	ROC	1	4		2	16	3500	56000						1	0.56				1	0.56	
10	ROC	1	5		2	20	3500	70000					1	0.7					1	0.70	
11	Retaining wall Stone Masonry	1	12	0.5	2	12	3500	42000			1	0.42							1	0.42	
12	Retaining wall to protect Arable Land	1	50	0.75	2	75	3500	262500					1	2.62					1	2.62	
13	ROC	1	4		1.5	12	3500	42000						1	0.42				1	0.42	
14	Field Boundaries					5000	20	100000	1000	0.2	1000	0.2	1000	0.2	1000	0.2	1000	0.2	5000	1.00	

	in m.																			
	Total works							1472750												
	Funds from MGNREGA							325000												
	Funds from IWMP							1147750												
	Total								1.74		5.73		3.52		1.70		2.04		14.73	
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

Village: Lehli Khurd									2011-12		2012-13		2013-14		2014-15		2015-16		Total			
S.No.	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin		
1	ROC	1	4		1.5	12	3500	42000			1	0.42							1	0.42		
2	ROC	2	4		2	32	3500	112000	1	0.56			1	0.56					2	1.12		
3	ROC	1	4		2	12	3500	42000			1	0.42							1	0.42		
4	ROC	1	4		1.5	12	3500	42000			1	0.42							1	0.42		
5	ROC	1	4		2	16	3500	56000			1	0.56							1	0.56		
6	ROC	2	4		2	32	3500	112000					1	0.56	1	0.56			2	1.12		
7	ROC	1	5		1.5	15	3500	52500					1	0.52					1	0.52		
8	Embankment along choe to protect arable land	1	480	4	2	3840		100000	Funds from Project										1	1	1	1.00
	75% cost from MGNREGA and 25% from Project i.e Rs. 3 lacs and Rs.1 lac respectively - Total cost for embankment - Rs.4 lacs				Funds from MGNREGA				300000										1	3	1	3.00

9	Vegetative hedge along choe in m.	500	30	15000	200	0.06	300	0.09							500	0.15	
10	Field boundaries in m. Total cost Rs.40000. 85% i.e Rs.34000 from MGNREGA and Rs.6000 from Project	2000	20	34000					1700	0.34						0.34	
	Field boundaries in m. Total cost Rs.40000. 85% i.e Rs.34000 from MGNREGA and Rs.6000 from Project			6000					300	0.06						0.06	
	Total works							913500									
	Funds from MGNREGA							349000									
	Funds from IWMP							564500									
	Total								0.62		1.91		2.04		0.56	4	9.13
NOTE :	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																

Village: Bathula								2011-12		2012-13		2013-14		2014-15		2015-16		Total		
S.No.	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Culvert on choe for field protection and safe passage to fields	1	20	1.5				720000					1	7.2					1	7.20
2	Drop Structure	1	5	2	2	20	3500	70000	1	0.7									1	0.70
3	Drop Structure	1	5	2	2	20	3500	70000	1	0.7									1	0.70
4	Drop Structure	1	5	2	2	20	3500	70000	1	0.7									1	0.70

5	Drop Structure	3	5	1.5	2	45	3500	157500	3	1.58								3	1.58	
6	Drop Structure	1	8	2	2	32	3500	112000						1	1.12			1	1.12	
7	Stone Masonry Retaining wall-1st step	1	15	2	2	60														
	2nd step	1	15	1	1	15														
	Total cum					75	3500	262500								1	2.6	1	2.63	
8	Earthen Embankment along choe to protect agriculture land-Funds from MGNREGA	1	135	6	3	2430		200000			135	2						135	2.00	
9	Stud along choe bed - 1st step	1	135	1	1.5	202.5												0	0.00	
10	2nd step	1	135	0.5	1	67.5												0	0.00	
	Total cum					270	2500	675000			1	6.75						1	6.75	
11	Drop Structure	5	5	2	2.5	125	3500	437500			1	0.87			3	2.62	1	0.88	5	4.37
12	Drop Structure	1	5	2	2	20	3500	70000					1	0.7					1	0.70
13	ROC	1	4		2	16	3500	56000									1	0.56	1	0.56
14	Grass sodding on earthen embankment in m.					135		30000			135	0.3							135	0.30
15	Field Boundaries in m.-Funds from MGNREGA					5000	20	100000	1000	0.2	1000	0.2	1000	0.2	1000	0.2	1000	0.2	5000	1.00

16	Planting of vegetative hedge along choe					3000	30	90000	600	0.18	600	0.18	600	0.18	600	0.18	600	0.18	3000	0.90
	Total woks							3120500											0	0.00
	Funds from MGNREGA							390000											0	0.00
	Funds from IWMP							2730500											0	0.00
	Total								4.06		10.3		8.28		4.12		4.45	0	31.21	
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

Village: Naru Nangal		Sub watershed: Chabbewal																		
S.No	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	2011-12		2012-13		2013-14		2014-15		2015-16		Total	
									Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Crate wire Retaining Wall wall								Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
	1st step	1	55	2	1	110														
	2nd step	1	55	1	1	55														
	Total cum					165	2500	412500									1	4.12	1	4.12
2	Crate wire spurs																			
	1st step	2	10	2	1	40														
	2nd step	2	10	1	1	20													0	0.00
	Total cum					60	2500	150000	1	0.75	1	0.75							2	1.50
3	ROC	1	5.5	2	1.5	16.5	3500	57750						1	0.58				1	0.58
4	Field boundaries in m.					3000	20	60000	1000	0.2	1000	0.2	1000	0.2					3000	0.60
5	Vegetative hedge in m.					3000	30	90000	1000	0.3	1000	0.3	1000	0.3					3000	0.90

	Total works							770250												
	Funds from MGNREGA																			
	Funds from IWMP																			
	Total																			
										1.25		1.25		0.5		0.58		4.12		7.7
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

Village: Dhirowal																				
S.No.	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	2011-12		2012-13		2013-14		2014-15		2015-16		Total	
									Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Culvert for the disposal of rain water near school	1						150000							1	1.5			1	1.50
2	Open channel for drain	1	18	1.5	1.5	40.5	3500	141750	1	1.42									1	1.42
3	Crate Wire Spurs	1	10	2	2.5	50	3500	175000					1	1.75					1	1.75
4	Crate Wire Spurs	2	10	1.5	2	60	3500	210000			2	2.1							2	2.10
5	ROC	2	4		2	24	3500	84000			1	0.84							1	0.84
6	ROC	1	4		2	12	3500	42000									1	0.4	1	0.42
7	ROC	2	5		2.5	50	3500	175000					1	0.87			1	0.9	2	1.75
8	ROC	1	4		2	12	3500	42000					1	0.42					1	0.42
9	Field Boundaries in m.					7000	20	140000	1000	0.20	2000	0.4	2000	0.4	1000	0.2	1000	0.2	7000	1.40
10	Vegetative hedges in m.					7000	30	210000	1000	0.30	2000	0.6	2000	0.6	1000	0.3	1000	0.3	7000	2.10
	Total works							1369750											0	0.00

	Funds from MGNREGA						350000												0	0.00
	Funds from IWMP						1019750													
	Total								1.92		3.94		4.04		2		1.8			13.70
B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																				
NOTE:	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

CHANGRAN

Name of Village Patiari																				
S No	Type of Work	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	2011-12		2012-13		2013-14		2014-15		2015-16		Total	
									Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	ROC	15	4.5		2	270	3500	945000					3	1.89	6	3.78	6	3.78	15	9.45
2	ROC	3	4.5		1.5	40.5	3500	141750			2	0.95	1	0.47					3	1.42
3	ROC	5	4		2	80	3500	280000					3	1.68	1	0.56	1	0.56	5	2.80
4	ROC	5	7		1.5	105	3500	367500					2	1.48	2	1.47	1	0.73	5	3.68
5	ROC	5	5		2.5	125	3500	437500							2	1.74	3	2.63	5	4.37
6	Field Boundaries in kms.	7	20	10	3.5	7000	20	140000	1000	0.20	2000	0.4	2000	0.4	1000	0.2	1000	0.2	7000	1.40
7	crate wire Spurs in the main choe	8	9	1.75	2	252	2500	630000			8	6.3							8	6.30
8	crate wire Spurs in the main choe	25	7	1.75	2	612.5	2500	1531250			13	7.96	12	7.35					25	15.31

9	Renovati on of village pond 60x50 x.3 m.					900		150000	1	0.45									1	0.45
	FUNDS FROM MGNREGA - 70% I.E RS.105000 TO BE MET FROM MGNREGA								1	1.05									1	1.05
10	crate wire Spurs in the main choe	4	8	1.75	2	112	2500	300000	3	2.25	1	0.75							4	3.00
11	Stone Masonry Retaining wall	1	120	0.75	1	90	3500	315000					1	3.15					1	3.15
12	Drainage Line Treatmen t	40	3	2	1	240	2000	480000	40	4.8									40	4.80
13	Vegetativ e hedges - Stream Bank for protectio n of Arable Land and structure s in m..	1900	FUNDS FROM IWMP				30	57000							1000	0.3	900	0.27	1900	0.57

14	Vegetative hedges - Stream Bank for protection of Arable Land and structures in m..	3100	FUNDS FROM MGNREGA				30	93000	1100	0.33	1000	0.3	1000	0.3						3100
	Total works						5868000													
	Funds from MGNREGA							338000												
	Funds from IWMP							5530000												
	Total								9.08		16.66		16.72		8.05		8.17		58.68	

Name of Village Chak Sadhu																				
S No.	Type of Work	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	2011-12		2012-13		2013-14		2014-15		2015-16		Total	
									Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin		
1	Earthen Embankment	1	20	3.5	1.5	105		30000												
	FUNDS FROM MGNREGA								1	0.3									1	0.30
2	Pitching of upstream	1	20	2.12	0.3	12.72	1092	13890	1	0.14									1	0.14
3	Stud at foot	1	20	1	1	20	2500	50000	1	0.50									1	0.50
4	Layout of RCC pipe	1	20	RCC pipes 600 dia				100000	1	1.00									1	1.00
5	Renovation of Village Pond	1	30	20	2	1200		200000	1	2.00									1	2.00
	FUNDS FROM MGNREGA-50% COST FROM MGNREGA-TOTAL COST 4.00 LACS							200000	1	2.00									1	2.00
6	Run off control structure	3	5		2.5	75	3500	262500			3	2.63							3	2.63

7	Earthen Dam	1	20	10	3.5	700		240000	1	2.40								1	2.40	
FUNDS FROM MGNREGA-40% COST FROM MGNREGA-TOTAL COST 4.00 LACS								160000	1	1.60									1	1.60
8	Spillway	1	8	4	1.5	48	3500	168000	1	1.68								1	1.68	
9	Masonry Structure-Retaining wall	1	12	1.5	3	54	3500	189000	1	1.89								1	1.89	
10	Run off control structure	2	5		3	60	3500	210000			2	2.1						2	2.10	
11	Earthen Dam in choe	1	30	7	2.5	525		210000			1	2.1						1	2.10	
30% COST FROM MGNREGA-TOTAL COST 3 LACS								90000			1	0.9						1	0.90	
12	Run off control structure	4	4		2	64	3500	224000			4	2.24						4	2.24	
13	Earthen Structure	1	10	7	2.5	175		200000			1	2						1	2.00	
14	Earthen Structure	2	4	2	1.5	24		20000			2	0.2						2	0.20	
S.NO.13 & 14 - FUNDS FROM MGNREGA																				
15	Run off control structure	1	5		3	30	3500	105000			1	1.05						1	1.05	
16	Outlet of pond	1	5	2	2	20	3500	70000			1	0.7						1	0.70	
17	Retaining Wall-Stone Masonry	2	50	1	2.5	250	3500	875000			1	8.75						1	8.75	
18	Stud in path	4	8	0.5	1	16	2500	40000					4	0.4				4	0.40	
19	Retaining wall Along main road	2	25	1	1.5	75	2500	187500					2	1.88				2	1.88	
20	Retaining Wall-crate wire	1	30	1	1.5	45	2500	112500					1	1.12				1	1.12	
21	Run off control structure	9	5		2	135	3500	472500					5	2.62	4	2.11		9	4.73	

22	Run off control structure	9	5		1.5	101.25	3500	354375					4	1.57	5	1.97			9	3.54
23	Run off control structure	7	4		1.5	84	3500	294000					4	1.68	3	1.26			7	2.94
24	Run off control structure	2	4		2	24	3500	84000					2	0.84					2	0.84
25	Run off control structure	2	5		3	60	3500	210000					1	1.05	1	1.05			2	2.10
26	Run off control structure	3	4		2	36	3500	126000					1	0.42	2	0.84			3	1.26
27	Run off control structure	1	4		1.5	12	3500	42000					1	0.42					1	0.42
28	Run off control structure	1	4		1.5	12	3500	42000					1	0.42					1	0.42
29	Run off control structure	1	4		2	16	3500	56000					1	0.56					1	0.56
20	Run off control structure	3	5		1.5	45	3500	157500					3	1.58					3	1.58
31	Run off control structure	3	5		2	60	3500	210000					2	1.4	1	0.7			3	2.10
32	Run off control structure	2	4.5		1.5	27	3500	94500					2	0.95					2	0.95
33	Run off control structure	3	5		1.5	45	3500	157500					3	1.58					3	1.58
34	Run off control structure	2	5		2	40	3500	140000					2	1.4					2	1.40
35	Retaining Wall-crate wire	1	120	1	1.5	180	2500	450000			1	4.5							1	4.50
36	Run off control structure	2	4.5		2	27	3500	94500					2	0.95					2	0.95

37	Run off control structure	2	5		2	40	3500	140000					2	1.4				2	1.40	
38	Run off control structure	6	5		2	120	3500	420000						3	2.1	3	2.1	6	4.20	
39	Run off control structure	5	5		2	100	3500	350000					3	2.1	2	1.4		5	3.50	
40	Run off control structure	5	4.5		1.5	67.5	3500	236250								5	2.36	5	2.36	
41	Run off control structure	2	4.5		2	36	3500	126000						1	0.63	1	0.63	2	1.26	
42	Run off control structure	2	4.5		2	36	3500	126000								2	1.26	2	1.26	
43	Run off control structure	2	4.5		1.5	27	3500	94500								2	0.94	2	0.94	
44	Run off control structure	2	4.5		1.5	27	3500	94500								2	0.94	2	0.94	
45	Run off control structure	2	4.5		1.5	27	3500	94500								2	0.94	2	0.94	
46	Run off control structure	2	4.5		1.5	27	3500	94500								2	0.94	2	0.94	
47	Run off control structure	3	4.5		2	54	3500	189000								3	1.89	3	1.89	
48	Crate wire Spurs in the main choe	4	8		2	0	2500	160000	4	1.6								4	1.60	
49	Renovation of pond	1	FUNDS FROM RKVY						1200000						6.00		6.00			12.00
FUNDS FROM MGNREGA - 50% OF TOTAL COST OF 3.20 LACS								160000	4	1.6								4	1.60	
49	Vegetative hedges alongwith Field boundaries					7000	30	210000					3000	0.9	2000	0.6	2000	0.6	7000	2.10
Total works								10637515												
Funds from MGNREGA								1070000												
Funds from RKVY								1200000												

	Funds from IWMP							8367515											
	Total									16.71		27.2		25.2		12.7		12.6	94.38

RAJINI DEVI

Village: Tajewal									2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S.N o.	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	ROC	1	4		1.5	12	3500	42000	1	0.42									1	0.42
2	ROC	1	5		1.5	15	3500	52500	1	0.52									1	0.52
3	Chute type ROC	1	4		3.5	28	3500	98000	1	0.98									1	0.98
4	ROC	1	5		2	20	3500	70000			1	0.7							1	0.70
5	ROC	1	4		2	16	3500	56000			1	0.56							1	0.56
6	ROC	1	4		2	16	3500	56000			1	0.56							1	0.56
7	ROC	1	4		2	16	3500	56000			1	0.56							1	0.56
8	ROC	1	4		2	16	3500	56000					1	0.56					1	0.56
9	ROC	1	4		2.5	15	3500	52500			1	0.53							1	0.53
10	ROC	1	4		2.5	20	3500	70000			1	0.7							1	0.70
11	ROC	1	6		1.5	13.5	3500	47250	1	0.47									1	0.47
12	ROC	1	5		2	15	3500	52500					1	0.52					1	0.52
12	ROC	2	5		2	30	3500	105000			2	1.05							2	1.05
14	ROC	1	4		2	12	3500	42000					1	0.42					1	0.42
15	ROC	1	4		2	16	3500	56000					1	0.56					1	0.56
16	ROC	1	4		1.5	12	3500	42000					1	0.42					1	0.42
17	ROC	1	5		2	15	3500	52500					1	0.53					1	0.53
18	ROC	2	4.5		2	27	3500	94500			1	0.47	1	0.47					2	0.94
19	ROC	2	7		1.5	42	3500	147000							1	0.74	1	0.73	2.73	1.47
20	ROC	2	4.5		1.5	27	3500	94500					2	0.95					2	0.95
21	Field boundaries	5000		MGNREGA		5000	20	100000	1000	0.2	1000	0.2	1000	0.2	1000	0.2	1000	0.2	5000.2	1.00

22	ROC	2	4		2.5	40	3500	140000					1	0.7			1	0.7	2.7	1.40
23	ROC	2	4		1.5	24	3500	84000							2	0.84			2	0.84
24	ROC	2	4		1.5	24	3500	84000							1	0.42	1	0.42	2.42	0.84
25	ROC	3	4		1.5	36	3500	126000							1	0.42	2	0.84	3.84	1.26
Total works								1876250												
Funds from MGNREGA								100000												
Funds from IWMP								1776250												
Total									2.59		5.33		5.33		2.62		2.89		18.76	
NO TE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

Village Bherua & Bichhoi		Village: Bherua							2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S No.	Type of Work	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Retaining Wall- Stone Masonry	2	6	1.25	1.5	22.5	3500	78750	1	0.39	1	0.40							2	0.79
2	Run Off Control structure	1	4		1.5	12	3500	42000	1	0.42									1	0.42

3	Run Off Control structure	1	5		1.5	15	3500	52500	1	0.52									1	0.52
4	Retaining Wall- Stone Masonry	2	8	1	1.5	24	3500	84000	1	0.42	1	0.42							2	0.84
5	Run Off Control structure	2	5		1.5	30	3500	105000			2	1.05							2	1.05
6	Retaining Wall- Stone Masonry	1	5	1.5	1	7.5	3500	26250			1	0.26							1	0.26
7	Retaining Wall- Stone Masonry	1	5	1.5	1	7.5	3500	26250	1	0.26									1	0.26
8	Retaining Wall- Crate wire	1	15	1	1	15	2500	37500	1	0.38									1	0.38
9	Retaining Wall- Crate wire	1	10	1.25	1.5	18.75	2500	46875			1	0.47							1	0.47
10	Retaining Wall- Crate wire	1	4	1	1.5	6	2500	15000	1	0.15									1	0.15
11	Run Off Control structure	5	5		2	75	3500	262500			2	1.05	3	1.58					5	2.63
12	Run Off Control structure	1	5		2	15	3500	52500	1	0.52									1	0.52

13	Run Off Control structure	1	4		2	12	3500	42000	1	0.42								1	0.42	
14	Run Off Control structure	2	5		2	30	3500	105000			1	0.53	1	0.52				2	1.05	
15	Retaining Wall Masonry	1	10	1	0.75	7.5	3500	26250			1	0.26						1	0.26	
16	Run Off Control structure	1	7		1.5	26.25	3500	91875			1	0.92						1	0.92	
17	Run Off Control structure	2	5		2	40	3500	140000			2	1.4						2	1.4	
18	Run Off Control structure	1	5		2	5	3500	17500			1	0.18						1	0.18	
19	Small Structures	6	7	0.5	0.75	15.75	3500	55125			6	0.55						6	0.55	
20	Run Off Control structure	3	5		2	60	3500	210000					3	2.1				3	2.1	
21	Chute structure	1	3	1	9	27	3500	94500					1	0.95				1	0.95	
22	Run Off Control structure	1	5		1.5	15	3500	52500						1	0.52			1	0.52	
23	Run Off Control structure	2	6		2.5	60	3500	210000					1	1.05			1	1.05	2	2.1
24	ROC	3	7		2.5	105	3500	367500					1	1.22	2	2.45		3	3.67	

25	Run Off Control structure	1	5		2	20	3500	70000							1	0.7			1	0.7
26	Run Off Control structure	1	4.5		2	18	3500	63000								1	0.63		1	0.63
27	Crate Wire Structure	2	10	1.75	1.5	52.5	2500	131250								2	1.31		2	1.31
28	Run Off Control structure	2	4.5		1.5	27	3500	94500								2	0.95		2	0.95
29	Field boundaries	10000	MGNREGA FUNDS				20	200000	2000	0.4	2000	0.4	2000	0.4	2000	0.4	2000	0.4	10000	2
	Total works							2800125											0	0
	Funds from MGNREGA							200000											0	0
	Funds from IWMP							2600125											0	0
	Total									3.88		7.89		7.82		4.07		4.34	0	28

Part II		Village Bichhoi							2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S No.	Type of Work	No's	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Crate Wire Structure	1	13	2	3	78	2500	195000	1	1.95									1	1.95
2	Crate Wire Structures	3	35	2.5	3	787.5	2500	1968750	1	6.57	2	13.1							3	19.69

3	Crate Wire Structures	4	25	1	1	100	2500	250000	2	1.25	2	1.25							4	2.5
4	Retaining Wall Masonry	1	16	1.5	2	48	3500	168000	1	1.68									1	1.68
5	Retaining Wall-Top width 1 mtr-Bottom width 2 m.	1	20	1.5	2	60	3500	210000	1	2.1									1	2.1
6	Run Off Control structures	8	6	3	2.5	360	3500	1260000			4	6.3	4	6.3					8	12.6
7	Stone Masonry Structure	3	16	1.5	3	216	3500	756000					2	5.04	1	2.52			3	7.56
8	Crate Wire Spurs																			
	1st step	1	10	2	1	20														
	2nd step	1	10	1	1	10														
	Total cum					30	2500	75000					1	0.75					1	0.75
9	Retaining Wall Stone Masonry	1	19	1.5	2	57	3500	199500			1	2							1	2
10	Small masonry Structures	5	3	0.5	1	7.5	3500	26250			5	0.26							5	0.26
11	Small masonry Structures	6	3	0.5	1	9	3500	31500	6	0.32									6	0.32
12	Small masonry Structures	5	3	1	1	15	3500	52500			5	0.53							5	0.53
13	Drop Structures	4	4	2	2.5	80	3500	280000			2	1.4			1	0.7	1	0.7	4	2.8

14	Drop Structures	3	4	2	3.5	84	3500	294000			1	0.98	2	1.96					3	2.94
15	Drop Structures	1	5	2	3.5	35	3500	122500			1	1.22							1	1.22
16	UGPL	1	660 mtrs	6"dia			350	231000					1	2.31					1	2.31
17	Drop Structures	5	5	2.25	3	168.7 5	3500	590625							2	2.36	3	3.55	5	5.91
18	Retaining Wall Stone Masonry	1	50	1.5	2.5	187.5	3500	656250					1	6.56					1	6.56
19	Retaining Wall Stone Masonry	1	15	2	3	90	3500	315000					1	3.15					1	3.15
20	Drop Structures	3	5	2	2.5	75	3500	262500					3	2.63					3	2.63
21	Retaining Wall Stone Masonry	1	15	1.5	2	45	3500	157500							1	1.57			1	1.57
22	Drop Structures	3	5	2	2	60	3500	210000									1	2.1	1	2.1
23	Drop Structures	1	8	1.5	2	24	3500	84000							1	0.84			1	0.84
24	Drop Structures	2	4.5	1.5	2	27	3500	94500									2	0.94	2	0.94
25	Drop Structures	6	4.5	1.5	2	81	3500	283500							3	1.42	3	1.41	6	2.83
26	Drop Structures	2	4.5	2	2.5	45	3500	157500							1	0.78	1	0.79	2	1.57
27	Drop Structures	3	5	2	2	60	3500	210000							1	0.7	1	1.4	2	2.1
28	Drop Structures	4	4	2	2	64	3500	224000					2	1.12	1	0.56	1	0.56	4	2.24

29	Drop Structures	10	5	2	2	200	3500	700000							5	3.5	5	3.5	10	7
30	Drop Structures	5	4	2	2	80	3500	280000			5	2.8							5	2.8
31	Field boundaries	20000	FUNDS FROM MGNREGA				20	400000	4000	0.8	4000	0.8	4000	0.8	4000	0.8	4000	0.8	20000	4
32	Plantation of hedges	10000	FUNDS FROM MGNREGA				30	300000	2000	0.6	2000	0.6	2000	0.6	2000	0.6	2000	0.6	10000	3
	Total works							1104537 5												
	Funds from MGNREGA							700000												
	Funds from IWMP							1034537 5												
	Total								15.27		31.3		31.22		16.35		16.35	0	110.4 5	
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

Village: Rajani Devi									2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S No.	Type of Work	No's	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Earthen Embankment along choe-Top width 1.5 m. Bottom width 4.5 m. COST FROM MGNREGA		140	3	1.5	630		200000							1	2			1	2
2	Open channel	1	80					200000					1	1.7					1	1.7
	15% cost from MGNREGA												1	0.3					1	0.3

3	Run Off Control structure	2	5		2	40	3500	140000							1	0.7	1	0.7	2	1.4
4	Run Off Control structure	3	5		2.5	75	3500	262500	1	0.88	2	1.75							3	2.63
5	Run Off Control structure	5	5		2	100	3500	350000			1	0.7	2	1.4	1	0.7	1	0.7	5	3.5
6	Grass sodding along earthen embankment		140					20000	1	0.20									1	0.2
7	Field boundaries	2000			FUNDS FROM MGNREGA		20	40000	500	0.1	500	0.1	500	0.1	500	0.1			2000	0.4
	Total works							1212500												
	Funds from MGNREGA							270000												
	Funds from IWMP							942500												
	Total									1.18		2.55		3.5		3.5		1.4		12.13
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

Village: Bhulewal Rathan									2011-12		2012-13		2013-14		2014-15		2015-16		Total		
S No	Type of Work	No's	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	
1	Drain-excavation of earthen drain to dispose off waste water from village to choe -FUNDS FROM MGNREGA		44	1	1	0		125000			44	1.25							44	1.25	
2	Crate Wire Structure-Retaining wall																				
	1st step	2	15	1.5	1	45															
	2nd step	2	15	1	1	30															
	Total cum					75	2500	187500					1	0.94	1	0.94			2	1.88	
3	Run Off Control structure	3	6		1.5	54	3500	189000	2	1.26							1	0.63	3	1.89	
4	Dug out Pond for irrigation - 50%^ cost from MGNREGA and 50% cost from Project - TOTAL COST 2 LACS																				
	Dug out Pond for irrigation	FROM IWMP						100000			1	1							1	1	
	Dug out pond for irrigation	FROM MGNREGA FUNDS						100000			1	1								1	1
	Dimensions- Dug out Pond for irrigation	1	30	20	1.5	900															

5	Retaining wall -Foundation 0.60, above ground 0.75-To be constructed in two parts in equal L of 50 m. Each																			
a	Retaining wall - Foundation 0.60, above ground 0.75	1	50	0.75	1.35	50.63	3500	177188			1	1.77						1	1.77	
b	Retaining wall - Foundation 0.60, above ground 0.75	1	50	0.75	1.35	50.63	3500	177188				1	1.77					1	1.77	
6	Run Off Control structure	1	5	2	1.7	17	3500	59500								1	0.6	1	0.6	
7	Run Off Control structure	1	5	2	1.5	15	3500	52500					1	0.52				1	0.52	
8	Run Off Control structure	1	5	2	1.5	15	3500	52500							1	0.52		1	0.52	
9	Plantation of hedge along drain		88			88	30	2640				0.03						0	0.03	
10	Field boundaries along field bunds	4000		MGNREGA		4000	20	80000			1000	0.2	1000	0.2	1000	0.2	1000	0.2	4000	0.8
	Total works							1303015												
	Funds from MGNREGA							307640												

	Funds from IWMP						995375														
	Total								1.26		5.25		2.91		1.66		1.95		13.03		
NOTE	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																				
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																				

Village: Parsowal									2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S No	Type of Work	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Drain - excavation of earthen drain for the safe disposal of waste water from village to choe	1	330	0.75	1	247.5	Mgnre ga funds	400000			165	2	165	2					330	4
2	Retaining Wall- Stone Masonry	1	10		1	10	3500	35000	1	0.35									1	0.35
3	Run Off Control structure	1	10		2	30	3500	105000			1	1.05							1	1.05
4	Run Off Control structure	1	5		3	30	3500	105000					1	1.05					1	1.05

5	Run Off Control structure	2	3		1	9	3500	31500			1	0.32						1	0.32	
6	Run Off Control structure	1	5		2	15	3500	52500					1	0.53				1	0.53	
7	Run Off Control structure	1	5		2	15	3500	52500			1	0.52						1	0.52	
8	Run Off Control structure	1	5		1.5	15	3500	52500	1	0.52								1	0.52	
9	Run Off Control structure	2	5		1.5	30	3500	105000						1	1.05			1	1.05	
10	Run Off Control structure	1	5		1.5	15	3500	52500								1	0.52	1	0.52	
11	Run Off Control structure	1	5		1.5	15	3500	52500								1	0.53	1	0.53	
12	Field Boundaries		5000	MGNREGA		5000	20	100000	1000	0.2	1000	0.2	1000	0.2	1000	0.2	1000	0.2	5000	1
	Total works							1144000												
	Funds from MGNREGA							500000												
	Funds from IWMP							644000												
	Total									1.07		4.09		3.78		1.25		1.25		11.44
NOTE	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

Village: Singpur									2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S No.	Type of Work	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Renovation of village Pond-Earth work-funds from MGNREG A	1	45	40	1	1800		300000			1	3							1	3.00
2	Embankment of around above Pond-FUNDS FROM MGNREG A	1	170	2.25	1	382.5		150000					1	1.50					1	1.50
3	Inlet & Outlet of above pond	2	6	3	1.5	54	3500	189000					2	1.89					2	1.89
4	Run Off Control structure	1	5		1.5	15	3500	52500	1	0.52									1	0.52
5	Run Off Control structure	1	5		1.5	15	3500	52500			1	0.53							1	0.53

6	Run Off Control structure	1	5		1.5	15	3500	52500					1	0.52					1	0.52
7	Run Off Control structure	1	5		1.5	15	3500	52500								1	0.53	1.53	0.53	
8	Run Off Control structure	1	5		3	30	3500	105000			1	1.05							1	1.05
9	Run Off Control structure	1	5		3	30	3500	105000			1	1.05							1	1.05
10	Run Off Control structure	2	5		1.5	30	3500	105000						1	1.05				1	1.05
11	Run Off Control structure	2	5		1.5	30	3500	105000								1	1.05	2.05	1.05	
12	Run Off Control structure	1	5		2	20	3500	70000	1	0.7									1	0.70
13	Grass sodding on the embankment of pond							25000					1	0.25					1	0.25
14	Field boundaries	4000				4000	20	80000	800	0.16	800	0.16	800	0.16	800	0.16	800	0.16	4000	0.80
	Total works							1444000												
	Funds from MGNREGA							530000												
	Funds from IWMP							914000												
	Total									1.38		5.79		4.32		1.21		1.74		14.44

NOT E:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.

Name of Watershed: Rajni Devi-Bichhoi					Village Ghukkarwal				2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S No.	Type of Work	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Inlet & Outlet of village pond	2	9	4	1.5	108	3500	378000					1	3.78					1	3.78
2	Run Off Control structure	2	6		1.5	36	3500	126000			2	1.26							2	1.26
3	Run Off Control structure	1	10		1.5	30	3500	105000	1	1.05									1	1.05
4	Run Off Control structure	1	7		1.5	21	3500	73500			1	0.74							1	0.74
5	Run Off Control structure	2	5		1.5	30	3500	105000			1	1.05							1	1.05
6	Run Off Control structure	3	5		2	45	3500	157500			2	1.05	1	0.52					3	1.57
7	Run Off Control structure	1	7		1.5	21	3500	73500									1	0.74	1	0.74

8	Run Off Control structure	3	5		1.5	45	3500	157500								3	1.57	3	1.57		
9	Field Boundaries in m		4250	MGNREGA			5000	20	85000	1000	0.2	1000	0.2	1000	0.2	250	0.05	1000	0.2	4000	0.85
10	Field Boundaries in m		750	FUNDS FROM PROJECT					15000						750	0.15			750	0.15	
11	Chute Structure-Stone Masonry	3	5	2	2.5	75	3500	262500	1	0.88					2	1.75			3	2.63	
	Total works							1538500													
	Funds from MGNREGA							85000													
	Funds from IWMP							1453500													
	Total									2.13		4.3		4.5		1.95		2.51		15.39	
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																				
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																				

Village: Badhna		Sub watershed: Rajni Devi-Bichhohi							2011-12		2012-13		2013-14		2014-15		2015-16		Total		
S.No	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	
1	Causeway in choe to provide easy access to fields	1	14	3	1	42		200000					1	1.70					1	1.70	
	15% cost to be met from MGNREGA i.e Rs.30000													1	0.30					1	0.30

2	Earthen embankment -FUNDS FROM MGNREGA	1	75	6	3	1350		200000			37.5	1	37.5	1					75	2.00
3	ROC	2	4		2	32	3500	112000			2	1.12							2	1.12
4	ROC	2	5		2	40	3500	140000	1	0.7					1	0.7			2	1.40
5	ROC	1	4		2	12	3500	42000									1	0.42	1	0.42
6	ROC	2	4		2	32	3500	112000			1	0.56					1	0.56	2	1.12
	Total works							806000												
	Funds from MGNREGA							230000												
	Funds from IWMP							576000												
	Total									0.7		2.68		3		0.7		0.98		8.06
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

Village: Nasran									2011-12		2012-13		2013-14		2014-15		2015-16		Total	
S No.	Type of structure	Nos.	L in m	B in m	H /D	Contents in cum	Rate	Total cost	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	Run Off Control structure	2	5	2.2	2	44	3500	154000	2	1.54									2	1.54
2	Run Off Control structure	1	4	2	2	16	3500	56000	1	0.56									1	0.56
3	Run Off Control structure	1	4	2	2	16	3500	56000			1	0.56							1	0.56

4	Run Off Control structure	1	5	2	2	20	3500	70000	1	0.70								1	0.70	
5	Run Off Control structure	1	5	1.5	2	15	3500	52500			1	0.52						1	0.52	
6	Run Off Control structure	1	5	1.5	2	15	3500	52500			1	0.53						1	0.53	
7	Run Off Control structure	1	4	1.5	2	12	3500	42000			1	0.42						1	0.42	
8	Run Off Control structure	1	5	2	2	20	3500	70000					1	0.7				1	0.70	
9	Run Off Control structure	2	5.5		2	44	3500	154000			1	1.54						1	1.54	
10	Run Off Control structure	1	5		1.5	15	3500	52500			1	0.53						1	0.53	
11	Run Off Control structure	4	5		2	80	3500	280000					4	2.8				4	2.80	
12	Run Off Control structure	6	6		2	144	3500	504000					3	2.52	3	2.52		6	5.04	
13	Run Off Control structure	4	4		2	64	3500	224000									4	2.24	4	2.24

14	Run Off Control structure	2	4		2	32	3500	112000									2	1.12	2	1.12
15	Renovatio n of pond- FUNDS FROM MGNREG A	1	4000	Sqr mtr	1			300000			1	3							1	3.00
16	Inlet & Outlet	2	6	5	1	60	3500	210000			2	2.1							2	2.10
17	Field Boundaries in m.-FUNDS FROM MGNREGA		5000				20	100000	1000	0.2	1000	0.2	1000	0.2	1000	0.2	1000	0.2	5000	1.00
18	Stone Masonry Retaining wall	1	10	1	1.5	15	3500	52500							1	0.52			1	0.52
	Total woks							2542000											0	0.00
	Works from MGNREGA							400000											0	0.00
	Works from IWMP Funds							2142000											0	0.00
	Total									3		9.4		6.22		3.24		3.56	0	25.42
NOTE:	B OF HEAD WALL OF ROC, SDS AND MASONRY STRUCTURES IS VARIABLE AS PER SITE CONDITIONS AND AS PER HT OF STRUCTURE.																			
	MORE OVER TOTAL ESTIMATED QUANTITIES OF THESE STRUCTURES ALSO INCLUDE QUANTITY FOR APRON, SIDE WALLS AND TOE WALLS ETC.																			

CAPACITY BUILDING PLAN

HOSHIARPUR – IWMP-5/10-11

2011-12 TO 2015-16

TRAINING AT DISTRICT LEVEL

The broad outline of the training programmes will include the followings:

A. District Level: The district level training will be for:

Group One: This training module is for the SLNA, Chief executive officer (ZP) / Project Director, DRDA / Head of District level implementing agency / Managers, Member DPC, Directors (DRDA) / PO and subject matter specialists.

Objective: The objective of this training is to get a well informed team of project implementers and managers, decision makers and subject matter specialist.

Methodology: The training methodology at this level should be discussions, group exercise, simulation exercises, case studies and Panel discussions.

Duration: One day: Participants: 25

Participants: DC, ADC(D), APO (M), DSCO, SCOs, WDT members

Venue: Committee room, DC Office/Zila Parishad office/ committee room, ADC(D) office

Day	Session I	Topics	Address by	Time
1		Inaugural address	DC/ADC (D)	10.30-10.45 hrs.
		Overall view of IWMP	DSCO	10.45-11.00 hrs.
		<u>Institutional Arrangement</u>	Expert	11.00- 11.45 hrs.
		Formation of Institutions		
		Roles and Responsibilities		
		Different Institutions and reporting mechanisms		
		Tea Break		11.45-12.00 hrs.
	2	<u>Financial Management</u>	Expert	12.00-13.00 hrs
		What is financial management?		
		Difference between accounting and financial management		
		Rules and regulations		
		<u>Coordination</u>	Expert	13.00-13.15 hrs.
		Identifying the roles of different line departments.		
		Way to make path for participation of all.		
		Methods for agreement on protocols		
		Coordination skills		
		<u>Convergence of resources and services</u>	Expert	13.15-13.45 hrs.
		Role of convergence		

		How to facilitate convergence.		
		Lunch		13.45-14.30 hrs.
	3	Planning, approval, fund release and implementation.	Expert	14.30–14.45 hrs.
		What is planning?		
		How is a plan prepared with community participation?		
		What is the process of approval?		
		How are funds released.		
		Participatory Monitoring & Evaluation	Expert	14.45-15.00 hrs
		What is Monitoring, Evaluation, impact assessment, end term evaluation etc.		
		What is Participatory M&E.		
		How to facilitate participatory M&E.		
		Tea		15.00-15.15 hrs.
	4	Capacity Building	Expert	15.15-15.30 hrs.
		What is TNA		
		How is a TNA conducted		
		Sharing of a TNA schedule		
		Training Needs Assessment action planning.		
		Design of training modules		
		Planning for trainings		
		Conducting trainings		
		Review the deficiencies and working out strategies for smooth & effective implementation of IWMP.	Expert	15.30-15.45 hrs.
		How to conduct a review of implementation of IWMP.		
		Identifying the gaps in implementation.		
		How to prepare a strategy for smooth, effective implementation?		
		Preparation of Implementation plan.		
		Monitoring and Review strategies and plans.		
		Panel Discussions Clarifications and discussions	Experts from Line/Allied departments	15.45-16.15 hrs.

WATERSHED CELL CUM DATA CENTRE (WCDC)

Group Two: At the district level the second group would consist of member of Watershed Cell cum Data Centre

Objective: The objective of this training is to inform the team of Watershed Cell cum Data Centre (WCDC) on watershed, institutions involved in watershed, and the process of project planning, implementing and managing a watershed project.

Methodology: The training methodology at this level should be lecture cum discussion, group discussion, group exercises, case studies/success stories. A field visit has been planned for in-situ experience.

Duration: 6 days: Participants: 25

Class room sessions: 3 days

Exposure visit outside state: 3 days

Participants: WDT members, DSCO, SCOs, Field Staff

Venue: Committee Room, ADC (D) office/Zila Parishad Office

Day	Session	Training Topics	Address by	Time
1	I	Inaugural address	ADC (D)	10.30-10.45 hrs.
		Genesis concept – Policies programs process of watershed Development- Presentation	Expert	10.45-13.00 hrs.
		What is a Watershed and how is a w/shed important as a development unit?		
		What are the steps in planning for watershed development?		
		What are the policies and programs of Govt Of India for Watershed Development?		
		Lunch		13.00-13.45 hrs.
	II	Participatory approach	Expert	13.45-15.30 hrs.
		What is participatory approach?		
		Importance of participatory approach		
		What are the different participatory tools used.		
		How to use the different tools and analyse.		
		Discussion on different participatory methods for planning, implementation and monitoring.		
2	I	Roles & responsibilities	Expert	10.30-11.30 hrs.
		roles and responsibilities of each organisation and member in the team.		
		Clarification on roles and responsibilities.		
		Tea		11.30-11.45 hrs.
	II	Selection of PIAs & WDT	Expert	11.45-13.15 hrs.

		What is a PIA & WDT?		
		Criteria of the selection and the process adopted in selection.		
		Lunch		13.15-14.00 hrs.
	III	Plan & Budget approval procedures	Expert	14.00-15.00 hrs.
		What is a plan and how is it approved.		
		What is a budget and how is it approved.		
		Process and procedures for its approval and the follow up of the process.		
	IV	Institutional & financial arrangements	Expert	15.00-15.30 hrs.
		List of institutions involved in the project.		
		Role of different institutions.		
		Financial outlay of the project.		
		Financial allocation to different institutions from the budget.		
3	I	Community organization	Expert	10.30-11.45 hrs.
		Why community organization?		
		Role of community.		
		Process of community organization		
		Importance of community organization.		
		Meetings with community.		
		Process of decision making in the community.		
		Tea		11.45-12.00 hrs.
	II	Monitoring & Supervision	Expert	12.00-13.15 hrs.
		What is monitoring, evaluation, supervision, M&E, impact assessment.		
		Importance of monitoring, evaluation, supervision, M&E, impact assessment.		
		Tools for monitoring and evaluation and process		
		Lunch		13.15-14.00 hrs.
	III	Inter & Intra agency coordination	Expert	14.00-14.30 hrs.
		Names of various agencies within the project.		
		Process of inter and intra agency coordination.		
		Role of the coordinator.		
	IV	Convergence with line department	Expert	14.30-15.15 hrs.
		Convergence and its importance		
		Need for convergence and process.		
4		Field Visit to successful watersheds	Led by expert	Visits
5		Field visit	Led by expert	Visits to successful watersheds

LINE DEPARTMENTS & OTHERS

Group Three: District level heads of line departments, Zila Parishad & Watershed cell cum Data Centre.

Objective: The objective of this training is to apprise the Director, DRDA and District level heads of allied departments on fundamentals of watershed, institutions involved in watershed, participatory approaches, and the process of project planning, implementing and managing a watershed project.

Methodology: The training methodology at this level will be lecture cum discussion, group discussion, group exercises, case analysis. A field visit has been planned for field experience.

Duration: 3 days

Class room sessions: 2 days

Exposure visit: 1 day

Participants: 20

DAY	SESSION	TOPIC	TIME
	1	Inaugural address by DSCO	10.30-10.45 hrs.
1		Watershed vision What is a watershed and how is it defined?	
		Comparison of Hariyali 2003 and Common Guidelines, 2008	10.45-11.30 hrs.
	2	Fundamentals of watershed Basic principles of watershed based development.	
		Tea Break	11.30-11.45 hrs
		Criteria for selection of Watersheds	11.45-13.00 hrs.
		Basic Principles for selection of Watersheds	
		Lunch Break	13.00-13.45 hrs.
	3	Participatory approach in watershed management What are participatory approaches and methods.	13.45-15.00 hrs.
	4	Why and how are participatory methods used.	
2	1	Roles & responsibilities Roles and responsibilities of different departments and agencies.	10.30-11.30 hrs.
		Tea Break	11.30-11.45 hrs.
	2	Mandatory Provisions in the common Guidelines. Dos and Don'ts	11.45-13.00 hrs.
		Lunch Break	13.00-13.45 hrs.
	3	Coordination, Linkages, convergence of programs Importance of Coordination, Importance of linkages, and convergence of schemes such as MNREGA and other schemes from Allied departments.	13.45-14.45 hrs.

	4	Institutional and Financial Arrangements. How to manage Finances?	14.45-15.30 hrs.
3		Field Visit	Field visit within District.

TRAINING OF TRAINERS

Objective : The objective of this training is to train the District level trainers and resource persons so that they can further impart training to the staff and village community on fundamentals of watershed, institutions involved in watershed, participatory approaches, and the process of project planning, implementing and managing a watershed project.

Duration : Senior Trainers – Two Weeks- Participants 25

Junior trainers – Three weeks-Participants 25

Participants: Surveyors, ASIs from department of Soils, Local NGOs, Govt. Officials from Allied departments: Nos. 25

Week – 1

DAY	SESSION	TOPICS	TIME
		MODULE – I- PROGRAMME MANAGEMENT	
	1	Inaugural address by DSCO	10.30-11.00 hrs.
		Tea Break	11.00-11.15 hrs.
1		Salient features of IWMP and guidelines	11.15-13.00 hrs.
		What is watershed ?	
		How is watershed delineated for development	
		Difference between Hariyali 2003 and common guidelines 2008.	
		Features of watershed development in India.	
		Salient features of watershed development guidelines.	
		Lunch break	13.00-14.15 hrs.
	2	Salient features of IWMP and guidelines-Contd	14.15-15.15 hrs.
		Operational Guidelines	
		Mandatory Provisions	
		Criteria for selection of Watershed	
2	1	Identification of watershed Process of identification and demarcation. Need of watershed approach.	10.30-11.15 hrs.
		Tea Break	11.15-11.30 hrs.
	2	PRA for resource assessment What is a PRA	11.30-13.30 hrs.

DAY	SESSION	TOPICS	TIME
		What is resource assessment? Various methods of PRA Importance of such methods. Role of PRA in resource assessment Methods of PRA for resource assessment. Historical Transect and analysis	
		Lunch Break	13.30-14.15 hrs.
2	3	Survey for data collection Identification of needs of data Designing of tools	14.15-15.15 hrs.
		Methodology for data collection.	
		Data entry and problems	
		Data analysis and reporting	
3	1	M & E Monitoring and evaluation Concurrent Evaluation Impact assessment	10.30-11.30 hrs.
		Tea break	11.30-11.45 hrs.
	2	M & E - contd Importance of monitoring and evaluation. Role of monitoring and evaluation in watershed development.	11.45-13.15 hrs.
		Lunch break	13.15-14.00 hrs.
	3	Institutional Arrangements and coordination Different institutions in a watershed and their roles. Importance of coordination	14.00-15.00 hrs.
	4	Resource Inventory What is a resource? What is an inventory? How is resource inventory taken? Importance of resource inventory for watershed management.	15.00-15.30 hrs.
		MODULE – II TECHNICAL	
4	1	Planning Project plan How important is Project Plan?	10.30-11.30 hrs.
		Tea Break	11.30-11.45 hrs.

DAY	SESSION	TOPICS	TIME
	2	Action plan Need for Action Plan	11.45-13.00 hrs.
		Lunch Break	13.00-13.45 hrs.
	3	Treatment Plan Importance of Treatment Plan	13.45-14.30 hrs.
	4	Production Plan Management for increasing yield	14.30-15.30 hrs.
5	1	Income generation Activity (IGA) Difference between jobs and income generation Ownership Identification of an income generation activity. Market survey and Feasibility study.	10.30-11.45 hrs.
		Tea break	11.45-12.00 hrs.
	2	Income generation Activity (IGA) - Contd Planning for setting up an IGA Production planning, financial planning, market planning.	12.00-13.15 hrs.
		Lunch Break	13.15-14.00 hrs.
	3	CPR Management What is a CPR How is a CPR managed.	14.00-15.15 hrs.
	4	Importance of CPR management	
6	1	Recap of 1st 4 days	10.00-12.00 hrs.
		Tea Break	12.00-12.15 hrs.
	2	Implementation Project management and planning Estimation of time accurately. Risk probability Scheduling simple activities. Preparation of Gantt Chart - difficult activities.	12.15-13.30 hrs.
		Lunch break	13.30-14.15 hrs.
	3	Critical path analysis Logical Framework Approach.	14.15-14.45 hrs.
		Stakeholder Analysis and their role in implementation and development. Stakeholder management and planning.	
		Preparation of project implementation plan and sharing with all the stakeholders.	

DAY	SESSION	TOPICS	TIME
		Tea break	14.45-15.00 hrs.
	4	Feed back	15.00-15.45 hrs.

Week – 2

DAY	SESSION	TOPIC	TIME
		MODULE – III SOCIAL	
		Inaugural address by DSCO	10.30-11.00 hrs.
		Tea break	11.00-11.15 hrs.
1	1	Community mobilization Why community organization. Role of community. Importance of community organization.	11.15-13.15 hrs.
		Lunch Break	13.15-14.00 hrs.
	2	Community mobilization- contd Process of community organization Meetings with community. Process of decision making in the community	14.00-14.30 hrs.
	3	Conducting meetings Need for community meetings Process of conducting meetings and preparation of minutes. Importance of meetings	14.30-15.30 hrs.
	4	Conducting meetings- contd Process of conducting meetings and preparation of minutes. Role of community meeting in development process. Follow up of meetings.	15.30-16.00 hrs.
2	1	Feedback	10.30-11.15 hrs.
		Tea Break	11.15-11.30 hrs.
	1	Group Dynamics What is a group? Different types of groups? How do groups contribute to development?	11.30-13.15 hrs.
	2	Group Dynamics-contd... Need for group and its management. Group cohesion and its role in development.	
		Lunch break	13.15-14.00 hrs.

DAY	SESSION	TOPIC	TIME
	3	Conflict Management Conflict Resolution - Resolving conflicts rationally and effectively	14.00-14.30 hrs.
	4	Behavioral Management Skill for motivation	14.30-15.15 hrs.
3	1	Recap of previous two days	10.30-11.30 hrs.
		Tea Break	11.30-11.45 hrs.
		(Management- Motivation)	11.45-12.30 hrs.
	2	Leadership building/Development What is leadership building. Leadership Styles - Use the right one for the situation Who is a leader, What are the skills of a leader. Leadership Motivation Assessment Leading from the front Emotional Intelligence - Developing strong "people skills" Team Effectiveness Assessment - How well do you and your team work together? Forming, Storming, Norming, Performing - Helping new teams perform Successful Delegation - Using the power of other people's help The GROW Model - Coaching team members to improve performance Mentoring - An essential leadership skill How Good Are Your Motivation Skills?	12.30-13.30 hrs.
		Lunch break	13.30-14.15 hrs.
		Leadership Development-contd...	14.15-15.00 hrs.
	3	Emotional Intelligence - Developing strong "people skills" Team Effectiveness Assessment - How well do you and your team work together? Forming, Storming, Norming, Performing - Helping new teams perform Task Allocation The GROW Model - Coaching team members to improve performance Mentoring - An essential leadership skill	
	4	Convergence of Development Programmes schemes What is convergence How is convergence achieved. Importance of convergence.	15.00-15.45 hrs.
		<u>Module-IV Training</u>	
4	1	Feedback and Recap of previous 3 days	10.30-11.45 hrs.
		Tea break	11.45-12.00 hrs.

DAY	SESSION	TOPIC	TIME
	2	Training need assessment (TNA) What is TNA Need for a TNA Community and organizational analysis Learner analysis	12.00-13.15 hrs.
		Process to conduct a TNA. TNA analysis TNA action planning Job analysis Sharing TNA findings Report preparation	
		Lunch	13.15-14.00 hrs.
	3	Training techniques & methods Role of Trainers Trainer – A facilitators, organizer, special interest pleader, Managing team dynamics in training	14.00-14.45 hrs.
		Tea break	14.45-15.00 hrs.
	4	Training techniques & methods–contd.. Facilitation skills Role & importance of different methods.	15.00-15.30 hrs.
5	1	Recap	10.30-11.45 hrs.
		Tea Break	11.45-12.00 hrs.
	2	Preparation of simple low A.V. Aids Deciding on the topics for preparation of audio visual aids. Brief note to be prepared for the artists. How to guide the audio visual teams. Process of preparation	12.00-13.15 hrs.
		Lunch break	13.15-14.00 hrs.
	3	Planning for training Identification of participants Designing of the sessions Writing learning objectives Writing of session plans Preparation of information notes and hand outs.	14.00-14.45 hrs.
	4	Conducting training Welcome note and address	14.45-15.30 hrs.

DAY	SESSION	TOPIC	TIME
		Practising listening, observing, paraphrasing Practising questioning, probing and dialogue	
		Practising feedback and managing group dynamics Practising facilitation skills Assessing facilitation skills.	
6	1	Feedback and recap	10.30-11.45 hrs.
		Tea Break	11.45-12.00 hrs.
	2	Communication skill What is communication skill? Role of communication in training and its improvement. Ice breaking Speaking to an audience and communicate complex ideas successfully. Making first impression. Questioning techniques.	12.00-13.15 hrs.
		Lunch Break	13.15-14.00 hrs.
	3	Preparation of Training Action plan Training objectives. Listing of tasks to be performed. Arranging for venue Arranging of stationary Role of communication in training and its improvement.	14.00-14.45 hrs.
		Feed back and Evolution of trainings Preparing for feedback Preparing a questionnaire for feedback. Expectations v/s training delivered. Facilitation of feedback and discussion.	
	4	Systematic approaches. What are systematic approaches. Analyse the organizations needs and training demand. Design a training system that learners and trainers can implement Develop a training "package" of resources and materials Implement the training package, Evaluate training,	hrs.

CLUSTER LEVEL MODULES

I. PROJECT IMPLEMENTATION AGENCY

Objective: The objective of this training is to train the Project Implementation agency.

Methodology: The training methodology at this level will be lecture cum discussion, group exercises, simulation games, case analysis, field visits, practical. A field visit has been planned for field experience.

Duration: Two weeks

WEEK – 1

DAY	SESSION	TOPIC	TIME
		MODULE – I- CONCEPTUAL	
1	1	Introduction & Registration	10.30-10.45 hrs.
		Inaugural address by ADC (D)/DSCO	10.45-11.15 hrs.
		Tea	11.15-11.30 hrs.
	2	Fundamentals of watershed What is a Watershed and how is a watershed important as a development unit? What are the policies and programs of Govt. Of India for Watershed Development. Difference between Hariyali 2003 and Common Guidelines for Watershed 2008.	11.30-13.30 hrs.
		Lunch	13.30-14.15 hrs.
	3	Watershed guidance What are the steps in planning for watershed development?	14.15-14.45 hrs.
		Tea	14.45-15.00 hrs.
	4	How is a watershed development planned and managed?	15.00-15.30 hrs.
	1	Recap of 1st day	10.30-11.15 hrs.
		Tea	11.15-11.30 hrs.
2		Roles and responsibilities Role of PIA and other agencies. PIA and project management	11.30-12.30 hrs.
	2	Critical path analysis	12.30-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Stakeholder Management and Planning Influence Maps - Uncovering where the power lies in your projects	13.45-14.45 hrs.
3	1	Recap of 1st day - Feedback	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
		Institutional arrangements Institutions in a watershed and their roles and importance. Rules and regulations for institutional arrangements.	11.45-13.15 hrs.
		Lunch	13.15-14.00 hrs.

DAY	SESSION	TOPIC	TIME
	2	Assessment Self Assessment by each institution.	14.15-14.30 hrs.
		Management of different institutional partners	14.30-14.45 hrs.
		Tea	14.45-15.00 hrs.
	3	Coordination between different institutions at a given point of time.	15.00-15.30 hrs.
4	1	Feedback and recap of 1st three days.	10.30-11.15 hrs.
		Tea	11.15-11.30 hrs.
	2	PRA tools & techniques What is participatory approach? PRA methods in planning PRA technique in implementation and monitoring.	11.30-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Difference between PRA, PLA, RRA etc. What are the different participatory tools used. How to use the different tools and analyze. Discussion on different participatory methods for planning, implementation and monitoring.	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Discussion on different methods for planning, implementation and monitoring.	
5	1	Feedback and recap of 1st four days	10.30-11.30 hrs.
		DPR Preparation Tools & Techniques for preparation of Detailed Project Report. Importance of DPR and its implications	
		Tea	11.30-11.45 hrs.
	2	Process for preparation of DPR	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Components of DPR.	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Discussions and sharing of views on preparation of DPR	14.45-15.30 hrs.
6	1	Feedback and recap of 1st five days	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
		Community organization Importance and process of Community Organization in watershed management. Why community organization?	11.45-12.30 hrs.
		Role of community. Implementation Schedules and	12.30-13.15 hrs.

DAY	SESSION	TOPIC	TIME
		Importance of community organization.	
		Lunch	13.15-14.00 hrs.
	3	Process of community organization Meetings and interaction with community.	14.00-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Process of decision making in the community. Discussions and sharing of views with participants on Community Organization.	14.45-15.30 hrs.

WEEK – 2

DAY	SESSION	TOPIC	TIME
		MODULE – I- CONCEPTUAL	
1	1	Introduction & Registration	10.30-10.45 hrs.
		Inaugural address by DSCO	10.45-11.00 hrs.
		Tea	11.00-11.15 hrs.
		Participatory planning What is participatory approach? Difference between PRA, PLA, RRA etc. What are the different participatory tools used. How to use the different tools and analysis. Discussion on different participatory methods for planning, implementation and monitoring.	11.15-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	Project Action Plans Importance of action plans Discussion on different methods for planning, implementation and monitoring.	14.00-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Follow up of actions plans Discussions and sharing of views on Project Action Plans	14.45-15.30 hrs.
2	1	Feedback and recap of 1st day	10.30-11.15 hrs.
		Tea	11.15-11.30 hrs.
		Team building Process and methods	11.30-13.00 hrs.
		Mentoring and motivating a team.	
		Lunch	13.00-13.45 hrs.

DAY	SESSION	TOPIC	TIME
	3	Conflict resolution Types of conflicts How to resolve differences/conflicts in groups/community. Conflict resolution and its importance. How to ensure minimal conflicts. Ability to resolve conflicts	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Conflict resolution-contd...	14.45-15.30 hrs.
3	1	Feedback and recap of 1st two days.	10.30-11.15 hrs.
		Finance management What is financial management? Difference Between accounting and financial management.	
		Tea	11.15-11.30 hrs.
	2	Importance of different ratios in financial management. Rules and regulations	11.30-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Different types of accounting procedures	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Types of books to be maintained Taxes implications	14.45-15.30 hrs.
4	1	Feedback and recap of 1st three days.	10.30-11.15 hrs.
		Tea	11.15-11.30 hrs.
	2	Participatory monitoring and evaluation What is monitoring, evaluation, supervision, M&E, impact assessment? Importance of monitoring, evaluation, supervision, M&E, impact assessment. Monitoring and evaluation,	11.30-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Participatory approaches and methods.	13.45-14.15 hrs.
		Tea	14.15-14.30 hrs.
	4	Tools for monitoring and evaluation and process Discussions on M&E	14.30-15.30 hrs.

DAY	SESSION	TOPIC	TIME
5	1	Feedback and recap of 1st four days	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Maintenance of assets created under IWMP How to maintain these assets?	11.45-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	Community role in asset management	14.00-14.30 hrs.
		Tea	14.30-14.45 hrs.
		Discussions and sharing of views on Assets Management	14.45-15.30 hrs.
6	1	Recap and feedback	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Final report on WDP Preparatory needs for report on WDP. Components of report of WDP	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Project management of WDP	13.45-14.15 hrs.
		Tea	14.15-14.30 hrs.
	4	Financial management of WDP	14.30-15.15 hrs.

II. Cluster Level

II. WATERSHED DEVELOPMENT TEAMS :

Objective: The objective of this training is to train the Watershed Development Teams

Methodology: The training methodology at this level will be lecture cum discussion, group exercises, simulation games, case analysis, field visits, practicals. A field visit has been planned for field experience.

Duration: 5 weeks.

Participants: WDT members and officials from Department of Soils – SDSCO, SCOs, Surveyors, ASIs.

Nos. 20

Week - 1

DAY	SESSION	TOPIC	TIME
		MODULE – I- CONCEPTUAL	
1	1	Inaugural address by SDSCO	10.30-11.00 hrs.
1		Vision of watershed What is a watershed and how is it defined? What is the vision behind watershed.	

DAY	SESSION	TOPIC	TIME
		Criteria for selection of Watershed	11.00-11.45 hrs.
		Tea Break	11.45-12.00 hrs.
	2	Vision of watershed – contd... Basic principles of watershed based development.	12.00-13.15 hrs.
		Lunch	13.15-14.15 hrs.
	3	Basic principles of watershed based development.	14.15-15.00 hrs.
		Tea	15.00-15.15 hrs.
	4	Practical on different techniques.	15.15-15.45 hrs.
2	1	Feed back and recap	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Salient features of watershed Guidelines What is watershed Features of watershed development in India.	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Salient features of watershed Guidelines – contd.... Salient features of watershed development guidelines.	13.45-14.15 hrs.
	3	Delineation and identification of watershed and sub watersheds Methodology of identification of watershed.	14.15-14.45 hrs.
		Tea	14.45-15.00 hrs.
	4	Delineation and identification of watershed and sub watersheds How is watershed delineated for development. Different techniques	15.00-15.30 hrs.
3	1	PRA for resource assessment What is a PRA What is resource assessment?	
	2	Different methods of PRA Importance of such methods.	
	3	Role of PRA in resource assessment Methods of PRA for resource assessment.	
	4	Historical Transect and analysis	
4	1	Feedback and recap	10.30-11.45 hrs.
		Tea	11.45-12.00 hrs.
	2	Survey and data collection procedures /methods Identification of needs of data Designing of tools adopted.	12.00-13.30 hrs.
	2	Methodology for data collection and process to be adopted	

DAY	SESSION	TOPIC	TIME
		Lunch	13.30-14.15 hrs.
	3	Data entry and problems being faced	14.15-15.00 hrs.
		Tea	15.00-15.15 hrs.
	4	Data analysis and reporting procedure/formats	15.15-15.45 hrs.
5	1	Recap of 1st 4 days	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Situation Analysis What is Situational Analysis Process of conducting a situational analysis.	11.45-12.30 hrs.
		Situational analysis of the watershed	
		Lunch	13.00-13.45 hrs
	3	Situation Analysis Situational analysis of the community, institutions, and different stakeholders. Field exercise	3.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Information analysis and reporting. How to analysis? How and whom to report? Discussions on reporting formats	14.45-15.30 hrs.
6	1	Feedback	10.30-11.00 hrs.
		Training methods and skills What is TNA? How is a TNA conducted?	11.00-11.45 hrs.
		Tea	11.45-12.00 hrs.
	2	Training methods and skills – contd... Sharing of a TNA schedule How is community and organizational analysis done?	12.00-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Training methods and skills – contd... Training Needs Assessment action planning. Design of training modules	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Training methods and skills – contd... Planning for trainings Conducting trainings	14.45-15.30 hrs.

WEEK – 2

MODULE – III- TECHNICAL

DAY	SESSION	TOPIC	TIME
1	1	Inaugural address by SDSCO/SCO	10.30-11.00 hrs.
		Tea	11.00-11.15 hrs.
	2	Participatory planning What is participatory approach? Difference between PRA, PLA, RRA etc. What are the different participatory tools used. How to use the different tools and analyse.	11.15-12.30 hrs.
		Participatory planning– contd... Discussion on different participatory methods for planning, implementation and monitoring.	12.30-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	Participatory planning– contd... Discussion on different methods for planning, implementation and monitoring.	14.00-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Why Participatory planning is important? Importance of Participatory planning	14.45-15.30 hrs.
	1	Feedback	10.30-11.15 hrs.
		Tea	11.15-11.30 hrs.
2	2	Project plan What is a project plan? How is it prepared?	11.30-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	Action Plan What is an action plan? How is it prepared? How can it be monitored? Importance of Action Plan	14.00-14.30 hrs.
	3	Treatment plan What is a treatment plan? How is it prepared and what is the basis of selection of the area? How is it monitored?	14.30-15.00 hrs.
		Tea	15.00-15.15 hrs.
	4	Production plan What is production plan?	15.15-15.45 hrs.

DAY	SESSION	TOPIC	TIME
		How is a production plan prepared? Importance of Production Plan	
3	1	Feedback and recap of 1st two days	10.30-11.15 hrs.
		Tea	11.15-11.30 hrs.
	2	Employment/income Generation Difference between employment and income generation. Ownership Importance of income generation Identification of an income generation activity. Market survey and Feasibility study.	11.30-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	Set up of IGA: Selection of viable Economic Activity Planning for setting up an IGA	14.00-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Set up of an IGA: Production planning, financial planning, market planning. How to work out the economics of an Income General Activity?	14.45-15.30 hrs.
4	1	Feedback and recap of 1st three days.	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	CPR management & conservation practice. Discussions on various techniques of conservation practices	11.45-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	CPR management & conservation practice-contd... Discussions on various techniques of conservation practices	14.00-14.45 hrs.
		Tea	14.45-15.00 hrs.
	4	Importance of CPR management & Conservation practices-Rules to be followed.	15.00-15.30 hrs.
	1	Feedback and recap	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
5	2	Allied activities: Allied Activities that could be taken up.	11.45-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	Allied Activities relating to Agriculture, Horticulture, Animal Husbandry (Dairy Development)	14.00-15.00 hrs.
		Tea	15.00-15.15 hrs.
	4	Implementation	15.15-15.30 hrs.

DAY	SESSION	TOPIC	TIME
		Rules to be followed	
		Follow-up and Extension methods and communication skills Procedure to be adopted for follow up and extension methods	
6	1	Feedback and recap	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Market linkages. Forward and backwards linkages Precautions to be taken	11.45-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	Market linkages-contd... Market survey	14.00-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Market linkages-contd... Technical assistance	14.45-15.15 hrs.

WEEK – 3

MODULE – IV- SOCIAL

DAY	SESSION	TOPICS	TIME
1	1	Inaugural address by SDSCO	10.30-11.00 hrs.
		Tea	11.00-11.15 hrs.
	2	Community mobilization How to mobilize community? Role & importance of community Process of community mobilizations.	11.15-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Community mobilization- contd... Why community organization. Importance of community organization	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Community mobilization-contd... Meetings and interaction with community. Process of decision making in the community	14.45-15.15 hrs.
		Views of participants regarding community mobilization and clarifications of their doubts.	15.15-15.45 hrs.
	1	Recap of 1st day	10.30-11.00 hrs.
		Tea	11.00-11.15 hrs.

DAY	SESSION	TOPICS	TIME
2		Conducting meetings Need for community meetings Process of conducting meetings and preparation of minutes.	11.15-13.00 hrs.
		Process of conducting meetings and preparation of minutes.	
		Lunch	13.00-13.45 hrs.
	3	Conducting meetings-contd... Role of community meeting in development process. Follow up of decisions taken during the meetings.	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Conducting meetings-contd... Rules and Regulations for conducting meetings. Recording of decisions in the Proceeding book.	14.45-15.30 hrs
	1	Feed back and recap of 1st two days	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
3	2	Group Dynamics What is a group? Various types of groups? How do groups contribute to development? Need for group and its management.	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	4	Group Dynamics-contd... Group cohesiveness.	13.45-14.15 hrs.
		Role of group members for village development	14.15-15.00 hrs.
4	1	Feedback and recap of 1st three days	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Conflict management What is Conflict? How to manage and resolve conflicts?	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Behavioral dimensions Behavioral issues in development Level of motivation	13.45-14.15 hrs.
		Management-Motivation What is motivation? How to motivate a team? What precautions to be taken?	14.15-14.45 hrs.

DAY	SESSION	TOPICS	TIME
		Tea	14.45-15.00 hrs.
	4	Management-Motivation-contd... How to improve performance through motivation. Performance management.	15.00-15.30 hrs.
5	1	Feedback and repack of 1st 4 days	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Leadership Building What is leadership building? Leadership skills Who is a leader? What are the skills of a leader. Team Effectiveness Assessment - How well do you and your team work together? Successful Delegation - Using the power of other people's help The GROW Model - Coaching team members to improve performance Mentoring - An essential leadership skill How Good Are Your Motivation Skills?	11.45-13.30 hrs.
		Lunch	13.30-14.15 hrs.
	3	Leadership Building-contd... Team Effectiveness Assessment - How well do you and your team work together? Forming, Storming, Norming, Performing - Helping new teams perform Task Allocation The GROW Model - Coaching team members to improve performance Mentoring - An essential leadership skill	14.15-15.00 hrs.
		Tea	15.00-15.15 hrs.
	4	Convergence of Development Programmes/schemes What is convergence How is convergence achieved.	
		Discussion on issues relating to convergence	15.15-15.45 hrs.
6	1	Recap and feedback of 1st five days	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Gender, Equity. Difference between Gender and Sex Gender awareness	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Equity: Role of women in village development	13.45-14.15 hrs.

DAY	SESSION	TOPICS	TIME
		Tea	14.15-14.30 hrs.
	4	Women Empowerment Gender roles and needs Gender and development	14.30-15.00 hrs
		Feedback	15.00-15.30 hrs.

MODULE – V - MANAGEMENT OF FINANCES

DAY	SESSION	TOPIC	TIME
		MODULE – IV- MANAGEMENT OF FINANCES	
1	1	Inaugural address by SDSCO	10.30-11.00 hrs
		Tea	11.00-11.15 hrs.
	2	Fund management components	11.15-13.00 hrs.
		What is fund management	
		How are funds managed?	
		What is the role of fund manager?	
		Lunch	13.00-13.45 hrs.
	3	Dos and don'ts	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Maintenance of Funds How to generate funds?	14.45-15.00 hrs.
2	1	Feedback and recap of 1st day	10.30-11.15 hrs.
		Tea	11.15-11.30 hrs.
	2	Accounting procedures	11.30-13.00 hrs.
		Different types of accounting procedures	
		Lunch	13.00-13.45 hrs.
	3	Types of books to be maintained Tax implications	13.45-14.30 hrs.
		Tea	14.30-15.00 hrs.
	4	Practice session	15.00-16.00 hrs.
3	1	Feedback and recap of 1st two days	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Maintenance of records Basics of book keeping, accounting.	11.45-13.15 hrs.
		Lunch	13.15-14.00 hrs.

DAY	SESSION	TOPIC	TIME
	3	Budget estimates Preparation of budget. Budget components	14.00-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Managing cash flow and deviations from budget	14.45-15.30 hrs.
4	1	Feedback and recap of 1st three days	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Credit/ grant linkages with the banks and other financial institutions Need and importance of linkages Why linkages	11.45-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	Repayment of grants/revolving funds/loans Terms and conditions	14.00-15.00 hrs.
		Tea	15.00-15.15 hrs.
	4	Documentation: Documents required for loan purpose Process of repayment	15.15-15.45 hrs.
5	1	Feedback and recap of 1st 4 days	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Project Management/ post project management How Project management is defined? What is project management and its principles? What is post project management and its principles? Introduction to Project Management & Planning	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Project Management/ post project management-contd... Time management Prioritizing the tasks Estimating Time Accurately Risk Impact/Probability Chart - Learning to prioritize risks Scheduling Simple Projects Gantt Charts - Planning and scheduling more complex projects	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
	3	Project Management/ post project management-contd... Critical Path Analysis - Planning more complex projects Log frames and the Logical Framework Approach	14.45-15.30 hrs.

DAY	SESSION	TOPIC	TIME
		Planning Large Projects & Programs Stakeholder Management and Planning Influence Maps - Uncovering where the power lies in your projects	
6	1	Feedback and recap of 1st five days	10.30-11.30 hrs.
		Coordination & cooperation Need and importance of coordination and cooperation.	
		Tea	11.30-11.45 hrs.
	2	Rules and regulations for coordination and cooperation. Importance of coordination and cooperation.	11.45-13.15 hrs.
		Lunch	13.15-13.45 hrs.
	3	Convergence What is convergence Why convergence Areas of convergence How is convergence achieved. Importance of convergence.	13.45-14.30 hrs.
	4	Discussions and sharing of views amongst participants on convergence.	14.30-15.30 hrs.

MODULE – VI- MONITORING & EVALUATION

DAY	SESSION	TOPIC	TIME
1	1	Inaugural address by SDSCO/SCO	10.30-11.00 hrs.
		Tea	11.00-11.15 hrs.
	2	Participatory monitoring and evaluation Monitoring and evaluation, impact assessment etc. Role of participatory process in M&E.	11.15-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	How to conduct M&E	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Field examples to be discussed.- success stories	14.45-15.30 hrs.
2	1	Feedback and recap of 1st day	10.30-11.15 hrs.
		Tea	11.15-11.30 hrs.
	2	Preparation of reports Basics rules for preparation of report How is report prepared? What is the structure of a report?	11.30-13.00 hrs.

DAY	SESSION	TOPIC	TIME
		Lunch	13.00-13.45 hrs.
	3	Inputs for Reports: What should be included in a report.	13.45-14.15 hrs.
		Tea	14.15-14.30 hrs.
	4	Reporting Mechanism: Reporting mechanism and process.	14.30-15.15 hrs.
3	1	Feedback and recap of 1st two days.	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Reporting system What is a reporting system?	11.45-12.30 hrs.
		How is it developed?	12.30-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Reporting system- contd... What is the importance of reporting system?	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Designing a reporting system Practice session and discussions	14.45-15.45 hrs.
4	1	Feedback and recap of 1st three days	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Pre and post evaluation What is the baseline data collection? What is post project evaluation? What is pre project evaluation?	11.45-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	Methodology for Evaluation: How to design a methodology for pre and post evaluation. How to prepare the tools for evaluation.	14.00-15.00 hrs.
		Tea	15.00-15.15 hrs.
	4	Data Entry: Data entry and analysis Reporting	15.15-15.45 hrs.
5	1	Feed back and recap of 1st four days	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Development of success stories Why a success story is needed?	11.45-12.30 hrs.

DAY	SESSION	TOPIC	TIME
		What should a success story depict?	
		How should it be prepared? Some examples	12.30-13.45 hrs.
	3	What are the do's and don't's in writing a success story. Writing like a journalist.	
		Lunch	13.45-14.30 hrs.
	4	Writing few case studies-some examples	14.30-15.15 hrs.
6	1	Feedback and recap of 1st five days.	10.30-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Social Audit What is social audit? What does social auditing involve?	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Logic behind Social Audit Project in which social auditing is essential and why?	13.45-14.30 hrs.
		Tea	hrs.
	4	Importance of Social Audit and its impact on project How is it important for the community and the decision makers?	14.45-15.30 hrs.

WATERSHED LEVEL MODULES

MODULE – I- WATERSHED COMMITTEES, GRAM SABHA MEMBERS ETC.

Chairman watershed Committees, watershed committee Members, , Panchayat Members, Members from Watershed Sub committees.

Objective: The objective of this training is to train the heads and members of watershed committees/sub committees and panchayat members.

Methodology: The training methodology at this level will be class room sessions/lecture mode, field visits, video shows, case studies, hand on training and exposure visits. A field visit has been planned for field experience.

Duration: 5 days

Participants: 25

DAY	SESSION	TOPIC	TIME	
1	1	Introduction & registration	11.00-11.15 hrs.	
		Tea	11.15-11.30 hrs.	
	2	Discussion on different participatory methods for planning, implementation and monitoring. Discussion on different methods for planning, implementation and monitoring.	11.15-13.00 hrs.	
		Lunch	13.00-13.45 hrs.	
	3	Fund management What is fund management? How are funds managed?	13.45-14.30 hrs.	
		Tea	14.30-14.45 hrs.	
		What is the role of fund manager Dos and don'ts for Fund Management	14.45-15.30 hrs.	
	2	1	Feedback and recap of 1st day	11.00-11.30 hrs.
		2	CPR Management What is CPR	11.30-13.00 hrs.
			Importance of CPR	
		Lunch	13.00-13.45 hrs.	
3		How are CPR managed	13.45-14.30 hrs.	
		Tea	14.30-14.45 hrs.	
4		Good practices to be shared. Discussions on Good Practice and on importance of CPR	14.45-15.30 hrs.	
3		1	Feedback & recap of 1st two days	11.00-11.30 hrs.
		Tea	11.30-11.45 hrs.	
	2	Participatory M&E What is monitoring, Why monitoring	11.45-13.00 hrs.	

DAY	SESSION	TOPIC	TIME
		evaluation, supervision, M&E, impact assessment.	
		Lunch	13.00-13.45 hrs.
	3	Importance of monitoring, evaluation, supervision, M&E, impact assessment.	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
		Monitoring and evaluation, Participatory approaches and methods.	
	4	Tools for monitoring and evaluation and process	14.45-15.30 hrs.
4	1	Feedback 7 recap of 1st 3 days	11.00-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Post- project management How to design a methodology for pre and post evaluation. How to prepare the tools for evaluation.	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Data entry and analysis Reporting	13.45-14.15 hrs.
		What is WDF? Why WDF? Utilization of WDF	14.15-14.45 hrs.
		Tea	14.45-15.00 hrs.
	4	Benefit sharing Importance of benefit sharing Rules for benefit sharing.	15.00-15.30 hrs.
5	1	Feedback and recap of 1st four days	11.00-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Coordination and convergence with other allied activities	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
		What is convergence?	13.45-14.00 hrs.
	3	How is convergence achieved?	14.00-14.15 hrs.
		Tea	14.15-14.30 hrs.
	4	Importance of convergence. Discussions on convergence.	14.30-15.15 hrs.

MODULE – II- WATERSHED SECRETARY, WATERSHED VOLUNTEERS

Objective : The objective of this training is to train the watershed secretary and watershed volunteers.

Methodology: The training methodology at this level will be lecture, field visits, video shows, case studies, hand on training and exposure visits. A field visit has been planned for field experience.

Duration: 6 days

Participants: 20

DAY	SESSION	TOPIC	TIME
1	1	Introduction and registration	11.00-11.15 hrs.
		Tea	11.15-11.30 hrs.
	2	Awareness on participatory WDP What is participatory approach? Difference between PRA, PLA, RRA etc.	11.30-12.30 hrs.
	2	What are the different participatory tools used. How to use the different tools and analysis	12.30-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	Discussion on different participatory methods/tools & techniques for planning, implementation and monitoring.	14.00-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Discussion on different methods for planning, implementation and monitoring.	14.45-15.30 hrs.
2	1	Feedback & recap of 1st day	11.00-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Organizing groups Process of Group formation Forming Norming Storming Performing	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Rules and regulations in a group Why rules? Importance of rules	13.45-14.15 hrs.
		Tea	14.15-14.30 hrs.
		Conducting meetings Role and importance of meetings. Why meetings. Discussions points during meetings	14.30-15.00 hrs.

DAY	SESSION	TOPIC	TIME
		Process of conducting meetings.	
3	1	Feedback and recap of 1st two days.	11.00-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Recording the proceedings Proceedings of the meetings Why recording the proceedings?	11.45-12.30 hrs.
		Record keeping of discussions	12.30-13.00 hrs.
		Lunch	13.00-14.15 hrs.
	3	Office management Importance of rules and regulations in office	14.15-14.45 hrs.
		Tea	14.45-15.00 hrs.
	4	Systems management	15.00-15.30 hrs.
4	1	Feedback & recap of 1st three days	11.00-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Accounting procedures Different types of accounting procedures	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Types of books to be maintained	13.45-14.15 hrs.
		Tea	14.15-14.30 hrs.
	4	Discussions and sharing of views.	14.30-15.30 hrs.
5	1	Feedback & recap of 1st four days	11.00-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Book keeping Importance of cash flow management Book keeping Importance of regular book writing – Maintenance of accounts.	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Types of books to be maintained How to maintain the books? Why maintain the books?	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	General discussions and clarifications of doubts, if any.	14.45-15.30 hrs.
6	1	Feedback & recap	11.00-11.30 hrs.
		Tea	11.30-11.45 hrs.
	2	Assisting SHGs and UGs:	11.45-13.00 hrs.

DAY	SESSION	TOPIC	TIME
		Identifying Economic activities for SHGs and also assisting UGs for identifying the works that require treatment.	
		Lunch	13.00-13.45 hrs.
	3	Effective payments.	13.45-14.15 hrs.
		Tea	14.15-14.30 hrs.
	4	Facilitation of payments/grants/bank linkages to SHGs	14.30-15.30rs.

MODULE – III- SELF HELP GROUPS

Objective: The objective of this training is to train the Self Help Groups and make them self dependent.

Methodology: The training methodology at this level will be lecture, practice sessions, demonstrations, video films, field visits. A field visit has been planned for field experience.

Duration: 3 days

Participants: 30/35

Venue: Panchayat Ghar of respective village

DAY	SESSION	TOPIC	TIME
1	1	Introduction & Registration	10.30-10.45 hrs.
		Orientation on IWMP What is a Watershed? How is it delineated?	10.45-11.15 hrs.
		Tea	11.15-11.30 hrs.
	2	How watershed is important to them as a development unit?	11.30-12.00 hrs.
		Concept of SHG	12.00-12.15 hrs.
		Importance of SHG	12.15-13.00 hrs.
		Lunch	13.00-13.45 hrs.
		Thrift & Credit management	13.45-14.30 hrs.
		Tea	14.30-14.45 hrs.
		Role of SHGs, especially women members in development process	14.45-15.30 hrs.
2	1	Feedback & recap of 1st day	10.30-11.00 hrs.
		Tea	11.00-11.15 hrs.
		Specialized system in	11.15-12.30 hrs.
	2	Nursery & home gardens	
		Qualities of good SHGs	12.30-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	Specialized system in Vermi Composting	14.00-14.30 hrs.

DAY	SESSION	TOPIC	TIME
		Tea	14.30-14.45 hrs.
	4	Green Fodder production, livestock rearing etc.	14.45-15.30 hrs.
3	1	Feedback & recap of 1st two days	10.30-11.00 hrs.
		Tea	11.00-11.15 hrs.
	2	Skill up gradation in Marketing – What is marketing? sales. How to plan for a market? How to ensure that the marketing is successful?	11.15-11.45 hrs.
		Identification of viable IGAs	11.45-12.30 hrs.
		Motivation for taking up IGAs	12.30-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	Management of funds	14.00-14.15 hrs.
		Tea	14.15-14.30 hrs.
		Leadership development in SHGs	14.30-15.00 hrs.
		Benefit sharing Sharing of benefits	15.00-15.30 hrs.
	4	Rules & regulations	15.30-16.00 hrs.
		Rules for marketing and benefit sharing	
4		Field visit	Full day – visit to successful SHG in nearby villages.

MODULE – IV- ACCOUNTANTS

Objective: The objective of this training is to train the Accountants.

Methodology: The training methodology at this level will be lecture cum discussion, practicals and case studies. A field visit has been planned for field experience.

Duration: 2 days

Participants: 20

Venue: Panchayat Ghar

DAY	SESSION	TOPIC	TIME
1	1	Introduction & Registration	10.30-10.45 hrs.
		Salient features of watershed guidelines What is Watershed?	10.45-11.30 hrs.

DAY	SESSION	TOPIC	TIME
		How is it delineated? Difference between Hariyali 2003 and Common Guidelines for Watershed 2008.	
		Tea	11.30-11.45 hrs.
	2	Institutional arrangement Institutions in a watershed and their roles and importance. Rules and regulations for institutional arrangements. Assessment of each institution Management of different institutional partners Coordination between different institutions at a given point of time.	11.45-13.00 hrs.
		Lunch	13.00-13.45 hrs.
	3	Funding components & Management Main components	13.45-14.30
		Tea	14.30-14.45 hrs.
	4	Accounting procedures. books keeping Maintenance of record	14.45-15.30 hrs.
2	1	Feedback & Recap of 1st day	10.30-11.00 hrs.
		Tea	11.00-11.15 hrs.
		Auditing Importance of auditing Why auditing?	11.15-12.00 hrs.
	2	Office management book keeping System management	12.00-12.30 hrs.
		village seed production collective marketing	12.30-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	grading Integrated nutrient management. Integrated pest management etc.	14.30-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	Practice session and discussions, clarifications on doubts, if any.	14.45-15.30rs.

MODULE – V- USER GROUPS

Objective: The objective of this training is to train the User Groups.

Methodology: The training methodology at this level will be lecture, practical, demonstrations, video films and case studies. A field visit has been planned for field experience.

Duration: 4 days

Participants: 30/40

Two days at Panchayat Ghar

Two days – Exposure visit

DAY	SESSION	TOPIC	TIME
1	1	Introduction & registration	11.00-11.15 hrs.
		Tea	11.15-11.30 hrs.
		NRM What are natural resources? How should they be managed?	11.30-12.30 hrs.
	2	Importance of communities in natural resource management	12.30-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	CPR management How are CPR formed? Rules and regulations?	14.00-14.30 hrs.
		Tea	14.30-14.45 hrs.
	4	How CPR are managed?	14.45-15.15 hrs.
2	1	Feedback & Recap of 1st day	11.00-11.30 hrs.
		Tea	11.30-11.45 hrs.
		Post Project Management of assets created. Assets created during project period.	11.45-12.30 hrs.
	2	Management of assets: What is WDF? Why WDF? Importance of WDF?	12.30-13.15 hrs.
		Lunch	13.15-14.00 hrs.
	3	Benefit sharing Sharing of benefits Importance of benefit sharing	
		Tea	14.30-14.45 hrs.
	4	Post project assets management How to build WDF?	14.45-15.30 hrs.

DAY	SESSION	TOPIC	TIME
		Record keeping	
3 & 4	1	Field Visit Field visit to successful watersheds for introduction to WCs/UGs who have managed their respective watersheds successfully.	Two full days within state.

MODULE – VI- WATERSHED COMMUNITIES

Objective: The objective of this training is to train the Watershed Communities

Methodology: The training methodology at this level will be Gram Sabha exhibitions, street plays, film shows, interactive sessions, display of slogans, wall paintings / writings regarding project details.

Participants: approx. 80/90

Venue: Village Panchayat Ghar

Duration : 1- day - 3 times at an interval of fortnight.

Sr.No.	Session	Topics	Time
1	I	Introduction & Registration	11.00-11.15 hrs.
2		Concept of Watershed Objectives of Watershed	11.15-11.45 hrs.
		Tea/ snacks	11.45-12.00 hrs.
3	II	Need and significance of Watershed. Long term and short term benefits.	12.00-13.00 hrs.
		Lunch	13.00-13.45 hrs.
4	III	Basics of watershed	13.45-14.15 hrs.
5		Role of women in village development	14.15-14.30 hrs.
6		Sharing of benefits.	14.30-14.45 hrs.
7		What is WDF? Why WDF?	14.45-15.00 hrs.
8		Importance of SHG, User groups and Watershed Committee.	15.00-15.30 hrs.