

# **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 - 4/10-11**

# DETAILED PROJECT REPORT APPROVAL FROM HEADS OF WATERSHED COMMITTEES

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

PROJECT IWMP VI –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	Mehndwani	Rakesh Kumar	8	Harwan	Rakesh Kumar
2	Maira	Gurram Singh	9	Achalpur	जंराली-22 कले
3	Kot	Tilak R.S.	10	Binewal-Tibbian-Pipliwal	Gurram
4	Bhadiar	Bighan Dass	11	Bhawanipur	Sachin Singh
5	Gaddiwal	Kulwant Kaur	12	Kokowal	Rakesh Kumar
6	Dalewal	Sura S.M.	13	Nainwan	Sukhwinder R.S.
7	Garhi Mansowal	Harjot Singh	14	Majari	Mahmood R.S.

**MICROWATERSHED WISE , VILLAGE WISE  
WORK DETAILS**

**NATURAL RESOURCE  
MANAGEMENT WORKS**

**HOSHIARPUR – IWMP-4/10-11**

**ESTIMATES**

## DETAILS OF WORKS MICROWATERSHED, VILLAGE WISE FOR HOSHIARPUR 4 PROJECT

Name of Sub watershed: Kot-Maira				
Village	Funds available under IWMP	Convergence with MGNREGA	Total funds available	Funds required as per planning
Mehndwani	53.63	9.16	62.79	62.81
Maira	21.77	3.00	24.77	24.74
Kot	27.35	3.40	30.75	30.64
Bhadiar	35.48	5.20	40.68	40.64
Gaddiwal	10.21	0.80	11.01	11.04
Dalewal	34.14	5.70	39.84	39.97
<b>Total</b>	<b>182.58</b>	<b>27.26</b>	<b>209.84</b>	<b>209.84</b>

**Name of Village: Mehandwani**  
**Works Planning Rs.6280750**  
**IWMP: Rs.5364750**  
**MGNREGA: Rs.916000**

S.No.	Structure No.	Type of work	Nos.	L (in m)	B (in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>										
1	15	ROC with crest L of 3 m.	15	3		1.5	15	225	3500	787500	Various farmers	To control sheet and gully erosion- 60 ha
2	9	ROC with crest L of 4 m.	9	4		1.5	20	180	3500	630000		
3	5	ROC with crest L of 5 m.	5	5		2	30	150	3500	525000		
4	3	ROC with crest L of 6 m.	3	6		2.5	45	135	3500	472500		
5	66	ROC with crest L of 2 m.	66	2		1.25	12	792	3500	2772000		
	<b>98</b>							<b>1482</b>	<b>3500</b>	<b>5187000</b>		
<b>A2</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>										
6		Plantation in m.		8000					20	160000	Various farmers	To check erosion & fodder for livestock
		<b>Sub total</b>		<b>8000</b>					<b>20</b>	<b>160000</b>		<b>MGNREGA</b>
<b>A3</b>		<b>Crate Wire retaining wall to protect arable fields</b>										
7	<b>1</b>	1st step	1	15	1.5	1	22.5					
		2nd step	1	15	1	1	15					
		<b>Sub total</b>						<b>37.5</b>	<b>2500</b>	<b>93750</b>		
<b>A4</b>		<b>Field Bunding</b>										
8	1	Field Bunding	1	8000	0.75	0.6	3600	3600	200	720000		<b>MGNREGA</b>
		<b>Sub total</b>						<b>3600</b>	<b>200</b>	<b>720000</b>		
		<b>Improvement in conveyance system for irrigation</b>										
9		Underground pipeline 10" dia- RCC pipe	1	300			Rs.36000-30% LABOUR CHARGES FROM MGNREGA		400	120000		
		<b>Sub total</b>	<b>1</b>	<b>300</b>					<b>400</b>	<b>120000</b>		
<b>GRAND TOTAL</b>										<b>6280750</b>		
<b>MGNREGA</b>										<b>916000</b>		
<b>IWMP</b>										<b>5364750</b>		

<p style="text-align: center;"><b>Name of Village: Maira</b>  <b>Total works Planning:Rs.2473500</b>  <b>IWMP: Rs.2173500</b>  <b>MGNREGA Rs.300000</b></p>													
S.No.	Structure No.	Type of work	Nos.	L in m)	B in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact	
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>											
1	5	ROC with crest L of 3 m.	5	3		1.5	18	90	3500	315000	Various farmenrs M26-1,2, M20-2,21, 12, 13, 14, 16, 17, 1, M25-11/1, M12-1, M13-1, M14-1, M17- 2, M18-1, M19-1, M24-3, M25-1, M35- 20/2, M85-2, M26-1, M19-1, M26-5, M35- 20	To control sheet and gully erosion- 30 ha	
2	4	ROC with crest L of 4 m.	4	4		1	20	80	3500	280000			
3	2	ROC with crest L of 5 m.	2	5		2	30	60	3500	210000			
4	1	ROC with crest L of 6 m.	1	6		2.5	45	45	3500	157500			
5	13	ROC with crest L of 2 m.	13	2		1.25	12	156	3500	546000			
	<b>25</b>	<b>Sub total</b>						<b>431</b>	<b>3500</b>	<b>1508500</b>			
<b>A2</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>											
5		Plantation in m.		6000					20	120000	Various farmers	To check erosion & fodder for livestock	
		<b>Sub total</b>		<b>6000</b>					<b>20</b>	<b>120000</b>		<b>MGNREGA</b>	
<b>A3</b>		<b>Crate Wire retaining wall to protect arable fields</b>											
6	1	1st step	1	20	1.5	1	30						
		2nd step	1	20	1	1	20						
		<b>Sub total</b>						<b>50</b>	<b>2500</b>	<b>125000</b>			
<b>B</b>		<b>Improvement in irrigation conveyance system</b>											
7	1	Under ground pipeline with 10" dia-RCC pipe	1	2000				1800	400	720000			
<b>Sub total</b>		<b>Rs.180000/- - 25% to be met from MGNREGA funds</b>							<b>1800</b>	<b>400</b>	<b>720000</b>		
<b>GRAND TOTAL</b>										<b>2473500</b>			
<b>MGNREGA</b>										300000			
<b>IWMP</b>										<b>2173500</b>			

**Name of Village: Kot**  
**Total works planning: Rs.3063500**  
**IWMP Rs.2732500**  
**MGNREGA Rs.340000**

S.No.	Structure No.	Type of work	Nos.	L in m)	B in m)	H	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact	
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>											
1	10	ROC with crest L of 3 m.	10	3		1	15	150	3500	525000	Various farmers-M15-24, M20-3, 4/1, 9/1, M14-12/2, M21-1/2, M15-16, M25/2, M20-2/2, M15-24/2, M28-13-1, M70-1, M4-10, 11, 20, 21, M5-11, 17, M7-14, 25, M8-21-22, M17-11, 25, M19-6, 10, M30-12, 25, M58-5, 20, M32-4, 7, 14-17,M56-6, 10, 12, 19, 22, 25	To control sheet and gully erosion-50 ha	
2	5	ROC with crest L of 4 m.	5	4		1.5	20	100	3500	350000			
3	5	ROC with crest L of 5 m.	5	5		2	30	150	3500	525000			
4	1	ROC with crest L of 6 m.	1	6		2.5	45	45	3500	157500			
5	23	ROC with crest L of 2 m.	23	2		1	12	276	3500	966000			
	44	<b>Sub total</b>						721	3500	2523500			
<b>A2</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>											
6		Plantation in m.		7000					20	140000	Various farmers	To check erosion and fodder for livestock	
		<b>Sub total</b>		7000					20	140000		MGNREGA	
<b>A3</b>		<b>Water Resource Development works for recharging</b>											
10	1	Stone Masonry retaining wall to protect farm pond 45x45 m.	1							200000	Various farmers	IWMP	
		Stone Masonry retaining wall to protect farm pond 45x45 m.								200000	Various farmers	MGNREGA	
		<b>Sub total</b>								400000			
<b>GRAND TOTAL</b>										<b>3063500</b>			
<b>MGNREGA</b>										<b>340000</b>			
<b>IWMP</b>										<b>2723500</b>			

<p style="text-align: center;">Name of Village: Dalewal  Total works planning: Rs.3996500  IWMP: Rs.34265000  MGNREGA: Rs.570000</p>													
S.No.	Structure No.	Type of work	Nos.	L in m)	B in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact	
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>											
1	10	ROC with crest L of 3 m.	10	3		1	15	150	3500	525000	Various farmers-M17-14, 24, M18-19, 8, 13, 21/2, 22, M10-8/2, M6-13/2, 2/1, 10/2, M3-19/3, M4-18/2, 2/1, M17-14, 2-22/2, 18-21/2, 22,	To control sheet and gully erosion-50 ha	
2	8	ROC with crest L of 4 m.	8	4		1.5	20	160	3500	560000			
3	4	ROC with crest L of 5 m.	4	5		2	30	120	3500	420000			
4	17	ROC with crest L of 2 m.	17	2		1.25	12	204	3500	714000			
	39	<b>Sub total</b>						634	3500	2219000			
<b>A2</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>											
5	1	Plantation in m.		6000					20	120000	Various farmers	To check soil erosion and fodder for livestock	
		<b>Sub total</b>		6000					20	120000		MGNREGA	
<b>A3</b>		<b>Field Bunding</b>											
6	1	Field Bunding		5000	0.75	0.6	2250	2250	200	450000			
									200	450000			
<b>A4</b>		<b>Gully Stabilization in Arable Land</b>											
7	1	Stone Masonry Structure	1	10		2.5	50	50	3500	175000	Various farmers-M17-14, 24, M18-19, 8, 13, 21/2, 22, M10-8/2, M6-13/2, 2/1, 10/2, M3-19/3, M4-18/2, 2/1, M17-14, 2-22/2, 18-21/2, 22,		
8	5	Stone Masonry Structure	5	8		3	45	225	3500	787500			
9	2	Stone Masonry Structure	2	6		2.5	35	70	3500	245000			
		<b>Sub total</b>						345	3500	1207500			
<b>GRAND TOTAL</b>										<b>3996500</b>			
<b>MGNREGA</b>										<b>570000</b>			
<b>IWMP</b>										<b>3426500</b>			



**Name of Village: Bhadiar**  
**Total works Planning: Rs.4063500**  
**IWMP: 570000**  
**MGNREGA: 3543500**

S.No.	Structure No.	Type of work	Nos.	L in m)	B in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>										
1	35	ROC with crest L of 3 m.	7	3		1.5	18	126	3500	441000	Various farmers M4-5, 11/2, M5-15,15/2,16/2, M3-19/3, M1-3, M8-4, M9-3,4, M13-2, 22/1, M13-7, M15-5/1, 16/1, M15-2/3, M16-2/2, 15, M25-14/2, M26-1, M16-2/2, M68-19/2, M69-16/1,	To control sheet and gully erosion-50 ha
2	40	ROC with crest L of 4 m.	5	4		1.5	20	100	3500	350000		
3	20	ROC with crest L of 5 m.	3	5		2	30	90	3500	315000		
4	30	ROC with crest L of 6 m.	1	6		2.5	45	45	3500	157500		
5	25	ROC with crest L of 2 m.	26	2		1.25	12	312	3500	1092000		
	150	<b>Sub total</b>						673	3500	2355500		
<b>A2</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>										
6		Plantation in m.		8000					20	160000	Various farmers	To check erosion & fodder for livestock
		<b>Sub total</b>		8000					20	160000		MGNREGA
<b>A3</b>		<b>Crate Wire retaining wall to protect arable fields</b>										
7	1	1st step	1	30	2	1	60					
		2nd step	1	30	1.5	1	45					
		3rd step	1	30	1	1	30					
		<b>Sub total</b>						135	2500	337500		
<b>A4</b>		<b>Stone Masonry retaining wall to protect arable fields</b>										
8												
	1	1st step	2	60	1.5	0.6	108					
		2nd step	2	60	0.75	1.5	135					
	1	<b>Sub total</b>					243	243	3500	850500		
<b>A5</b>		<b>Field Bunding</b>										
9	1	Field Bunding	1	4000	0.75	0.6	1800	1800	200	360000		MGNREGA
		<b>Sub total</b>						1800	200	360000		
<b>GRAND TOTAL</b>										<b>4063500</b>		
<b>MGNREGA</b>										<b>520000</b>		
<b>IWMP</b>										<b>3543500</b>		

**Name of Village: Gaddiwal**  
**Total works planning: Rs.1104125**  
**IWMP: Rs.1024125**  
**MGNREGA: 80000**

S.No.	Structure No.	Type of work	Nos.	L in m)	B in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>										
1	4	ROC with crest L of 4 m.	4	4		1.5	20	80	3500	280000	Various farmers M20-4/2,M20-15, M8-7,M8-1,M17-11/2,M12-5/4, M7-9/2, M11/6, M4-22/1, M4-23/2, M15-2, M16-2,	To control sheet and gully erosion-30 ha
2	4	ROC with crest L of 3 m.	4	3		1	15	60	3500	210000		
3	1	ROC with crest L of 5 m.	1	5		1.5	25	25	3500	87500		
4	2	ROC with crest L of 2 m.	2	2		1.25	12	24	3500	84000		
	11	<b>Sub total</b>						189	3500	661500		
<b>A2</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>										
5		Plantation in m.		4000					20	80000	Various farmers	To check soil erosion and fodder for livestock
		<b>Sub total</b>		4000					20	80000		MGNREGA
<b>A3</b>		<b>Open channel to convey the runoff from fields</b>										
6	1	Open channel to convey the runoff from fields in m.		150				150	300	45000	Various farmers	Field protection to check soil erosion from Arable Land
		<b>Sub total</b>		150				150	300	45000		
<b>A4</b>		<b>Stone Masonry retaining wall to protect the land from breaches of khad-Arable Land for recharging</b>										
7	1	1st step	1	55	1.5	0.6	49.5					
		2nd step	1	55	0.75	1	41.25					
		<b>Sub total</b>						90.75	3500	317625		
<b>GRAND TOTAL</b>										<b>1104125</b>		
<b>MGNREGA</b>										<b>80000</b>		
<b>IWMP</b>										<b>1024125</b>		

## DETAILS OF WORKS MICROWATERSHED, VILLAGE WISE FOR HOSHIARPUR 4 PROJECT

Name of Sub watershed: Mansowal-Achalpur						
S.No.	Village	Funds available under IWMP for works-NRM	Convergence with MGNREGA	Convergence with RKVY	Total funds available	Funds required as per planning
1	Garhi Mansowal	60.95	5.70		66.65	65.96
2	Harwan	26.48	3.70		30.18	30.14
3	Achalpur	22.38	1.00		23.38	23.34
4	Binewal-Tibbian-Pipliwal	53.63	20.00		73.63	74.01
5	Bhawanipur	29.43	0.80	20.00	50.23	50.63
6	Kokowal	35.28	1.00		36.28	36.06
7	Nainwan	35.28	3.25		38.53	38.71
8	Majari	9.95	2.80		12.75	12.78
	<b>Total</b>	<b>273.38</b>	<b>38.25</b>	<b>20.00</b>	<b>331.63</b>	<b>331.63</b>

Name of Village: Garhi Mansowal: Total works planning: Rs.6596250														
IWMP: Rs.6026250														
MGNREGA: Rs.570000														
S.No.	Structure No.	Type of work	Nos.	L in m)	B in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact		
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>												
1	15	ROC with crest	15	4		1.5	20	300	3500	1050000	Various farmers - 1313, 2367, 2428, 2442, 1621, 1619, 1856, 1897, 1276, 1625, 1309, 809, 810, 811, 1175, 677, 713, 764, 711, 2223, 2224, 2187, 2123, 2124, 2125, 2325, 269, 772, 1578, 658, 137, 138, 161, 163, 550, 557, 1839, 1314, 809, 1260, 1246, 1306, 1307, 1308, 1834, 1619, 1809, 1902	To control sheet and gully erosion in arable land- 60 ha		
2	20	ROC with crest	20	3		1.5	15	300	3500	1050000				
3	8	ROC with crest	8	5		1	30	240	3500	840000				
4	40	ROC with crest	40	2		1	12	480	3500	1680000				
5	1	ROC with crest	1	12		3	40	40	3500	140000				
	84	<b>Sub total</b>					117	1360	17500	4760000				
<b>A2</b>		<b>Stone Masonry Retaining wall for recharging</b>												
6	1	1st step	1	50	2	0.6	60							
		2nd step	1	50	1	3	150							
		<b>Sub total</b>						210	3500	735000				
		<b>Crate wire retaining wall</b>												
7		1st step	1	25	2	0.6	30							
		2nd step	1	25	1.5	1	37.5							
		3rd step	1	25	1	1	25	92.5	2500	231250				
		<b>Sub total</b>						92.5	2500	231250				
<b>A3</b>		<b>Open channel to convey excess run off from Arable Land</b>												
		<b>Sub total</b>	1	100					200	20000				
<b>A4</b>		<b>Improvement in conveyance system for irrigation</b>												
8		<b>Sub total</b>		700					400	280000				
<b>A5</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>												
6	1	Plantation in m.		6000					20	120000	Various farmers	Erosion check		
		<b>Sub total</b>		6000					20	120000		MGNREGA		
<b>A6</b>		<b>Field bunding</b>												
7		Field bunding		5000	0.75	0.6	2250	2250	200	450000	Various farmers	MGNREGA		
<b>Sub total</b>								2250	200	450000				
<b>GRAND TOTAL</b>										<b>6596250</b>				
<b>MGNREGA</b>										<b>570000</b>				
<b>IWMP</b>										<b>6026250</b>				

<p style="text-align: center;">Name of Village: Majari  Total works planning:Rs.1278000  IWMP: Rs.998000  MGNREGA: Rs.280000</p>													
S.No.	Structure No.	Type of work	Nos.	L in m)	B in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact	
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>											
1	3	ROC with crest L of 4 m.	3	4		1.5	20	60	3500	210000	Various farmers - M28-15/2, 14-1, 1/2, 18-3/2, M10-11/2, 115, 27, M24-33,	To control sheet and gully erosion in arable land- 60 ha	
2	4	ROC with crest L of 3 m.	4	3		1.5	15	60	3500	210000			
3	1	ROC with crest L of 5 m.	1	5		2	60	60	3500	210000			
4	4	ROC with crest L of 2 m.	4	2		1	12	48	3500	168000			
	<b>12</b>	<b>Sub total</b>						<b>228</b>	<b>3500</b>	<b>798000</b>			
<b>A4</b>		<b>PLANTATION OF VEGETATIVE FIELD BOUNDARIES ON ARABLE LAND ON FIELD BUNDS WITH NAPIER GRASS</b>											
9	1	Plantation in m.		4000					20	80000	Various farmers	To check erosion & fodder for livestock	
		<b>Sub total</b>		<b>4000</b>					<b>20</b>	<b>80000</b>		<b>MGNREGA</b>	
		<b>Water Resource Development Works</b>											
		<b>Renovation of existing pond for recharging</b>									<b>400000</b>		
		<b>50% COST TOWARDS RENOVATION OF POND TO BE MET FROM MGNREGA FUNDS</b>											
<b>GRAND TOTAL</b>										<b>1278000</b>			
<b>MGNREGA</b>										<b>280000</b>			
<b>IWMP</b>										<b>998000</b>			

<p style="text-align: center;"> <b>Name of Village: Kokowal</b>  <b>Total works planning:Rs.3606000</b>  <b>IWMP: Rs.3506000</b>  <b>MGNREGA: Rs.100000</b> </p>															
S.No.	Structure No.	Type of work	Nos.	L in m)	B in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact			
<b>A1</b>		<b>RUN OFF CONTROL STRUCTURE ON ARABLE LAND</b>													
1	5	ROC with crest L of 4 m.	5	4		1.5	20	100	3500	350000	Various farmers - M28-15/2, 14-1, 1/2, 18-3/2, M10-11/2, 115, 27, M24-33,	To control sheet and gully erosion in arable land- 60 ha			
2	10	ROC with crest L of 3 m.	10	3		1.5	15	150	3500	525000					
3	3	ROC with crest L of 5 m.	3	5		2	60	180	3500	630000					
4	20	ROC with crest L of 2 m.	20	2		1	12	240	3500	840000					
5	8	ROC with crest L of 3 m.	8	3		1	12	96	3500	336000					
6	2	ROC with crest L of 6 m.	2	6		2.5	45	90	3500	315000					
	<b>48</b>	<b>Sub total</b>						<b>856</b>	<b>3500</b>	<b>2996000</b>					
<b>A2</b>		<b>SILT DETENTION STRUCTURE FOR RECHARGING</b>													
7	1	1st step	1	6		5	120	120	3500	420000					
		<b>Sub total</b>						<b>120</b>	<b>3500</b>	<b>420000</b>					
<b>A3</b>		<b>OPEN CHANNEL TO CONVEY EXCESS RUN OFF FROM ARABLE LAND</b>													
8			1	450					200	90000					
		<b>Sub total</b>							<b>200</b>	<b>90000</b>					
<b>A4</b>		<b>PLANTATION OF VEGETATIVE FIELD BOUNDARIES ON ARABLE LAND ON FIELD BUNDS WITH NAPIER GRASS</b>													
9	1	Plantation in m		5000					20	100000	Various farmers	To check erosion and fodder for livestock			
		<b>Sub total</b>		<b>5000</b>					<b>20</b>	<b>100000</b>		<b>MGNREGA</b>			
<b>GRAND TOTAL</b>										<b>3606000</b>					
<b>MGNREGA</b>										<b>100000</b>					
<b>IWMP</b>										<b>3506000</b>					

<p style="text-align: center;">Name of Village: Bhawanipur Total Works Planning: Rs.5063250</p> <p style="text-align: center;">IWMP: Rs.2983250 MGNREGA: Rs.80000 RKVY Rs.2000000</p>														
S.No.	Structure No.	Type of work	Nos	L in m)	B in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact		
<b>A1</b>		<b>RUN OFF CONTROL STRUCTURE ON ARABLE LAND</b>												
1	10	ROC with crest L of 3 m.	10	3		1.5	15	150	3500	525000	3179, 2828, 1962, 3164, 3444, 3445, 627, 2828, 2827, 2873, 3011, 3044, 3047, 2940, 1177/437, 3348, 3139, 3136, 3137, 3138, 1799, 1894, 1912, 1877, 865, 1868, 2929, 2930, 3164, 3165, 2066, 2067, 3015-Charanjit Singh	To check sheet and gully erosion - ha 35		
2	10	ROC with crest L of 2 m.	10	2		1	12	120	3500	420000				
	<b>20</b>	<b>Sub total</b>					<b>27</b>	<b>270</b>	<b>7000</b>	<b>945000</b>				
<b>A2</b>		<b>STONE MASONRY RETAINING WALL</b>												
3	1	1st step	1	35	2	0.6	42							
		2nd step	1	35	1	2.5	87.5							
		<b>Sub total</b>						<b>129.5</b>	<b>3500</b>	<b>453250</b>				
<b>A3</b>		<b>SILT DETENTION STRUCTURES FOR PROMOTING RECHARGING</b>												
4			3	10		5	150	450	3500	1575000				
		<b>Sub total</b>						<b>450</b>	<b>3500</b>	<b>1575000</b>				
<b>A4</b>		<b>OPEN CHANNEL TO CONVEY EXCESS RUN OFF FROM ARABLE LAND</b>												
5			1	50					200	10000				
		<b>Sub total</b>							<b>200</b>	<b>10000</b>				
<b>A5</b>		<b>PLANTATION OF VEGETATIVE FIELD BOUNDARIES ON ARABLE LAND ON FIELD BUNDS WITH NAPIER GRASS</b>												
6	1	Plantation in m.		4000					20	80000	Various farmers	To check soil erosion and fodder for livestock		
7	1	Renovation of village pond - Harijan Basti, Construction of Masonry walls along three sides length	1	150	0.80 +1.5 0 = 1.30 mts.	3		520	3500	1820000	Various farmers	<b>Pond storage is available throughout the year. Beneficiaries assert that they would irrigate their adjoining</b>		

		60 + 90 mts. – Foundation + height of side wall 1.00 + 2.00 mts.										fields (Arable Land)by installing engine at their own cost. Command area of 10 ha is available along this pond
		Inlet and outlet structures of above of above pond								180000		CONVERGENCE WITH RKVY
		<b>Sub total</b>		<b>4000</b>					<b>20</b>	<b>80000</b>		<b>MGNREGA</b>
<b>GRAND TOTAL</b>										<b>3063250</b>		
<b>MGNREGA</b>										<b>80000</b>		
<b>IWMP</b>										<b>2983250</b>		

Name of Village: Harwan Total works planning: Rs.3014500 IWMP: Rs.2644500 MGNREGA: Rs.370000												
S.No.	Structure No.	Type of work	Nos.	L in m)	B in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>										
1	5	ROC with crest L of 4 m.	5	4		1.5	20	100	3500	350000	Various farmers- M13-4/1, 3, 3/1, 9, 11, 20, 1, M8-19. 11/1., 11/2, 20, 11/3, M7-4, 5, 6, 7, 9	To control sheet and gully erosion - 30 ha
2	8	ROC with crest L of 3 m.	8	3		1.5	15	120	3500	420000		
3	2	ROC with crest L of 5 m.	2	5		1	30	60	3500	210000		
4	10	ROC with crest L of 2 m.	11	2		1	12	132	3500	462000		
	<b>25</b>	<b>Sub total</b>						<b>412</b>	<b>14000</b>	<b>1442000</b>		
<b>A2</b>		<b>Crate Wire Retaining wall</b>										
5		1st step	1	130	2	0.6	156					
		2nd step	1	130	1.5	1	195					
		3rd step	1	130	1	1	130					
		<b>Sub total</b>						<b>481</b>	<b>2500</b>	<b>1202500</b>		
<b>A3</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>										



6	1	Plantation in m.		5000					20	100000	Various farmers	To check erosion & fodder for livestock
		<b>Sub total</b>		<b>5000</b>					<b>20</b>	<b>100000</b>		<b>MGNREGA</b>
<b>A4</b>	<b>Field bunding</b>											
7		Field bunding		3000	0.75	0.6	1350	1350	200	270000	Various farmers	MGNREGA
		<b>Sub total</b>						1350	200	270000		
<b>GRAND TOTAL</b>										<b>3014500</b>		
<b>MGNREGA</b>										<b>370000</b>		
<b>IWMP</b>										<b>2644500</b>		

<b>Name of Village: Binewal-Tibbian</b> <b>Total works planning:Rs.1911800</b> <b>IWMP: Rs.1351800</b> <b>MGNREGA: Rs.560000</b>												
S.No.	Structure No.	Type of work	Nos.	L in m)	B in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact
<b>A1</b>	<b>Run off Control Structure on Arable Land</b>											
1	2	ROC with crest L of 4 m.	2	4		2.5	35	70	3500	245000	Various farmers-M57-2, M58-7, M66-5, M67-18, M85-12, M86-13, 18, M85-3, 8, M86-7, 8, 9, M87-8, 86-3, 4, M72-2, M88-8, M89-7, M84-10, M86-24, M91-18, 19, 22, 7, 6, M92-8, 14, 6, M74-25, M90-7, 8, 6, M91-3, M100-8, 13, 454, 453	To control sheet and gully erosion-50 ha
2	2	ROC with crest L of 5 m.	2	5		2.5	45	90	3500	315000		
3	9	ROC with crest L of 2 m.	9	2		1	12	108	3500	378000		
		<b>Sub total</b>						268	3500	938000		
<b>A2</b>	<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>											
4	1	Plantation in m.		4600					20	92000	Various farmers	To check soil erosion and fodder for livestock
		<b>Sub total</b>		4600					20	92000		
<b>A3</b>	<b>Field Bunding</b>											
5	1	Field Bunding		4000	0.75	0.6	1800	1800	200	360000		
		<b>Sub total</b>							200	360000		MGNREGA

A4		Stone Masonry Structure-Retaining wall											
6	1	1st step	1	16	1.5	0.7	16.8	16.8	3500				
	1	2nd step	1	16	1	0.75	12	12	3500				
	1	3rd step	1	16	0.5	0.75	6.00	6.00	3500				
		<b>Sub total</b>						34.80	3500	121800			
<b>B</b>		<b>Water Resource Development Works for recharging</b>											
7	1	Renovation of farm pond	1	60	50	1.7	5100			200000		IWMP	
		Renovation of farm pond								200000		MGNREGA	
		<b>Sub total</b>								400000			
<b>GRAND TOTAL</b>										<b>1911800</b>			
<b>MGNREGA</b>										<b>560000</b>			
<b>IWMP</b>										<b>1351800</b>			

Name of Village: Binewal-Pipliwal - Total works Planning: Rs.2152138													
IWMP: Rs.1692138													
MGNREGA: Rs.460000													
S.No.	Structure No.	Type of work	Nos.	L in m)	B in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact	
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>											
1	3	ROC with crest L of 3 m.	3	3		2.5	25	75	3500	262500			
2	3	ROC with crest L of 4 m.	3	4		2.5	35	105	3500	367500			
3	1	ROC with crest L of 5 m.	1			3	45	45	3500	157500			
4	1	ROC with crest L of 6 m.	1	6		3	55	55	3500	192500			
5	10	ROC with crest L of 2 m.	10	2		1	12	120	3500	420000			
	<b>18</b>	<b>Sub total</b>						<b>400</b>	<b>3500</b>	<b>1400000</b>			
<b>A2</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>											
4	1	Plantation in m.		4000					20	80000	Various farmers	To check erosion & fodder for livestock	
		<b>Sub total</b>		<b>4000</b>					<b>20</b>	<b>80000</b>		<b>MGNREGA</b>	
<b>A3</b>		<b>Field Bunding</b>											
5	1	Field Bunding		2000	0.75	0.6	900	900	200	180000			

		<b>Sub total</b>							<b>200</b>	<b>180000</b>		<b>MGNREGA</b>
<b>A4</b>		<b>Stone Masonry Structure-Retaining wall for recharging</b>										
6	1	1st step	1	13	1.5	0.6	11.7	11.7	3500			
	1	2nd step	1	13	1	0.75	9.75	9.75	3500			
	1	3rd step	1	13	0.5	0.75	4.88	4.88	3500			
		<b>Sub total</b>							<b>26.33</b>	<b>3500</b>	<b>92138</b>	
<b>B</b>		<b>Water Resource Development Works for recharging</b>										
7	1	Renovation of farm pond 60x20 m	1	60							200000	IWMP
		Renovation of farm pond 60x20 m		60							200000	<b>MGNREGA</b>
		<b>Sub total</b>									<b>400000</b>	
<b>GRAND TOTAL</b>											<b>2152138</b>	
<b>MGNREGA</b>											<b>460000</b>	
<b>IWMP</b>											<b>1692138</b>	

<p style="text-align: center;">Name of Village: Binewal  Total works planning:Rs.3330000  IWMP: Rs.2450000  MGNREGA: Rs.880000</p>												
S.No.	Structure No.	Type of work	Nos.	L in m)	B in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>										
1	12	ROC with crest L of 3 m.	12	3		1.5	15	180	3500	630000	Various farmers-M37-25, M41-11/2, 11/3, M43-9/2, 12/1, 19/3, 10/2, 5, 21/3, 22/1, 17, 25, M44-5, 20, 11/2, 12/1, M46-23, 24, M47-25, M55-25, 22, 21, M57-2, M60-2, M63- 19, 20, M64-5, 6, M63-5/1, M64-5, 6, 7, 8, M66-6, M74-7, 8, M75-3, 4, M74-16, M47-16, M271-8, M132371, 372, 373,	To control sheet and gully erosion-50 ha
2	5	ROC with crest L of 4 m.	5	4		1.5	20	100	3500	350000		
3	4	ROC with crest L of 5 m.	4	5		2	30	120	3500	420000		
4	4	ROC with crest L of 6 m.	4	6		2.5	45	180	3500	630000		
5	10	ROC with crest L of 2 m.	10	2		1	12	120	3500	420000		
	35	<b>Sub total</b>						700	3500	2450000		

<b>A2</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>										
4	1	Plantation in m.		8000					20	160000	Various farmers	To check erosion and fodder for livestock
		<b>Sub total</b>		8000					20	160000		MGNREGA
<b>A3</b>		<b>Field Bunding</b>										
5	1	Field Bunding		8000	0.75	0.6	3600	3600	200	720000		
									200	720000		MGNREGA
<b>GRAND TOTAL</b>										<b>3330000</b>		
<b>MGNREGA</b>										<b>880000</b>		
<b>IWMP</b>										<b>2450000</b>		

<p style="text-align: center;"> <b>Name of Village: Nainwan</b>  <b>Total works planning: Rs.3870500</b>  <b>IWMP: Rs.3545500</b>  <b>MGNREGA: Rs.325000</b> </p>												
S.No.	Structure No.	Type of work	Nos.	L in m)	B in m)	H/D	Contents in cum	Total Contents in cum	Rate	Amount	Ownership-Khasra No.	Impact
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>										
1	2	ROC with crest L of 6 m.	2	6		2.5	45	90	3500	315000	Various farmers-M40-2,3,8, M31-9, M8-23, M39-6/1, 15/2, 243, 256, 255, 104, 123, M40-10/1, 11/1, M37-2/8, 9, M22-11/2, M22-10, 1/1, 2/2, 1/2, M6-13, M18-14, M19-6,7,3, M8-2, M43-1/1, M44-4/1, M45-10, M29-13/3, M29-14/2, 17/1, M26-21, 22, 23, M29-1/1, 2/1, M39-1, 10, M30-18-1/2, M30-21/2, M30-22/2, 23/1/2, M39-1, M24-6, 7, 14, M24-6, 7, 14, 15, M30-16-23/2, M39-5/1, M25-1, M23-2, 24, M44-49	To control sheet and gully erosion-50 ha
2	4	ROC with crest L of 4 m.	4	4		1.5	20	80	3500	280000		
3	10	ROC with crest L of 3 m.	10	3		1.5	15	150	3500	525000		
4	24	ROC with crest L of 2 m.	24	2		1	12	288	3500	1008000		
5	6	ROC with crest L of 5 m.	6	5		1	30	180	3500	630000		
6	15	ROC with crest L of 2 m.	15	2		1.5	15	225	3500	787500		
	61	<b>Sub total</b>						1013	3500	3545500		
<b>A2</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>										

7	1	Plantation in m.		5000					20	100000	Various farmers	To check erosion & fodder for livestock
		<b>Sub total</b>		5000					20	100000		MGNREGA
		<b>Field bunding</b>										
8		Field bunding		2500	0.75	0.6	1125	1125	200	225000		
		<b>Sub total</b>						1125	200	225000		
<b>GRAND TOTAL</b>										<b>3870500</b>		
<b>MGNREGA</b>										<b>325000</b>		
<b>IWMP</b>										<b>3545500</b>		

Name of Village: Achalpur-Total works Planning:Rs.2334500													
IWMP: Rs.100000													
MGNREGA: Rs.2234500													
S.No	Structure No.	Type of work	Nos.	L (in m)	B (in m)	H/D	Contents (in cum)	Total Contents (in cum)	Rate	Amount	Ownership-Khasra No.	Impact	
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>											
1	2	ROC with crest L of 4 m.	2	4		1.5	20	40	3500	140000	Various farmers-483, 940, 941, 959, 1004, 1108, 1118, 1026, 1027, 987, 1102, 590, 172/42, 923, 489, 830, 541, 1201, 174, 170, 871, 1109, 1144, 758, 900, 918, 1103, 1345/952, 1610/523, 532, 946, 539, 726, 728, 763, 945, 542, 543, 711, 713, 830,	To control sheet and gully erosion-50 ha	
2	4	ROC with crest L of 3 m.	4	3		1.5	15	60	3500	210000			
3	9	ROC with crest L of 2 m.	9	2		1.5	12	108	3500	378000			
4	25	ROC with crest L of 1 m.	25	1		1	8	200	3500	700000			
	40	<b>Sub total</b>						408	3500	1428000			
<b>A2</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>											
5	1	Plantation (in m.)		5000					20	100000	Various farmers	To check erosion	
		<b>Sub total</b>		5000					20	100000		MGNREGA	
<b>A3</b>		<b>Crate Wire Retaining wall</b>											
6	1	1st step	1	10	2	0.6	12						
		2nd step	1	10	1.5	1	15						
		3rd step	1	10	1	1	10						
		<b>Sub total</b>						37	2500	92500			
<b>A4</b>		<b>Stone Masonry Structure-Retaining wall for recharging</b>											
7	1	1st step	1	20	2	0.6	24						
	1	2nd step	1	20	1	3	60						
		<b>Sub total</b>						84	3500	294000			
		<b>Sub total</b>						84	3500	294000			
<b>B</b>		<b>Gully Stabilization with Stone Masonry structures for recharging</b>											
8		SDS	1	8		5	120	120	3500	420000			
		<b>Sub total</b>						120	3500	420000			
<b>GRAND TOTAL</b>										<b>2334500</b>			
<b>MGNREGA</b>										<b>100000</b>			
<b>IWMP</b>										<b>2234500</b>			

# **5 YEARS ACTION PLAN**

**MICROWATERSHED WISE , VILLAGE WISE**

# **NATURAL RESOURCE MANAGEMENT WORKS**

**HOSHIARPUR – IWMP-4/10-11**

**2011-12 TO 2015-16**





Name of Village: Kot																							
S.No.	Structure No.	Type of work	Nos.	L (in m)	B (in m)	H/D	Contents (in cum)	Total Contents (in cum)	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total		
											Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	
A1	Run off Control Structure on Arable Land																						
1	10	ROC with crest L of 3 m.	10	3		1	15	150	3500	525000			4	2.10	4	2.10	2	1.05			10	5.25	
2	5	ROC with crest L of 4 m.	5	4		1.5	20	100	3500	350000			3	2.10	2	1.40					5	3.5	
3	5	ROC with crest L of 5 m.	5	5		2	30	150	3500	525000			2	2.10	3	3.15					5	5.25	
4	1	ROC with crest L of 6 m.	1	6		2.5	45	45	3500	157500			1	1.58							1	1.58	
5	23	ROC with crest L of 2 m.	23	2		1	12	276	3500	966000	4	1.68			3	1.26	7	2.94	9	3.78	23	9.66	
	44	<b>Sub total</b>						721	3500	2523500													
A2	Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass																						
6		Plantation (in m.		7000					20	140000			2000	0.4	2000	0.40	2000	0.4	1000	0.2	7000	1.4	
		<b>Sub total</b>		7000					20	140000													
A3	Water Resource Development works																						
10	1	Stone Masonry Retaining wall to protect farm pond 45x45 m.	1							200000	1	2.00									1	2.00	
		Stone Masonry Retaining wall to protect farm pond 45x45 m.								200000	1	2.00									1	2.00	
		<b>Sub total</b>								400000													
<b>GRAND TOTAL</b>										<b>3063500</b>													
<b>MGNREGA</b>										<b>340000</b>													
<b>IWMP</b>										<b>2723500</b>													
<b>TOTAL YEAR WISE</b>											<b>6</b>	<b>5.68</b>		<b>8.28</b>		<b>8.31</b>		<b>4.39</b>		<b>3.98</b>		<b>30.64</b>	

Name of Village: Bhadiar																							
S.No.	Structure No.	Type of work	Nos.	L (in m)	B (in m)	H/D	Contents (in cum)	Total Contents (in cum)	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total		
A1		Run off Control Structure on Arable Land										Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1		ROC with crest L of 3 m.	7	3		1.5	18	126	3500	441000	1	0.63	3	1.89	1	0.63	2	1.26			7	4.41	
2		ROC with crest L of 4 m.	5	4		1.5	20	100	3500	350000	1	0.70	2	1.40	1	0.70	1	0.70			5	3.5	
3		ROC with crest L of 5 m.	3	5		2	30	90	3500	315000			1	1.05			1	1.05	1	1.05	3	3.15	
4		ROC with crest L of 6 m.	1	6		2.5	45	45	3500	157500			1	1.58							1	1.58	
5		ROC with crest L of 2 m.	26	2		1.25	12	312	3500	1092000			10	4.20	1	0.42	5	2.10	10	4.20	26	10.92	
A2		Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass																					
6		Plantation (in m.		8000					20	160000			2000	0.4	2000	0.4	2000	0.4	2000	0.4	8000	1.60	
		<b>Sub total</b>		8000					20	160000													
A3		Crate Wire Retaining wall to protect arable fields																					
7	1	1st step	1	30	2	1	60																
		2nd step	1	30	1.5	1	45																
		3rd step	1	30	1	1	30																
		<b>Sub total</b>						135	2500	337500	1	3.38									1	3.38	
A4		Stone Masonry Retaining wall to protect arable fields																					
8																							
	1	1st step	2	60	1.5	0.6	108																
		2nd step	2	60	0.75	1.5	135																
		<b>Sub total</b>					243	243	3500	850500					1	8.5					1	8.50	
A5		Field Bunding																					
9	1	Field Bunding	1	4000	0.75	0.6	1800	1800	200	360000			1000	0.9	1000	0.9	1000	0.9	1000	0.9	4000	3.60	
		<b>Sub total</b>						1800	200	360000													
<b>GRAND TOTAL</b>																							
<b>MGNREGA</b>																							
<b>IWMP</b>																							
<b>TOTAL YEAR WISE</b>												4.71	11.4	11.55	6.41	6.55	40.64						

Name of Village: Mehandwani																							
S.No.	Structure No.	Type of work	Nos.	L (in m)	B (in m)	H/D	Contents (in cum)	Total Contents (in cum)	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total		
Run off Control Structure on Arable Land											Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	
1	15	ROC with crest L of 3 m.	15	3		1.5	15	225	3500	787500	2	1.05	4	2.10	4	2.10	2	1.05	3	1.58	15	7.88	
2	9	ROC with crest L of 4 m.	9	4		1.5	20	180	3500	630000	2	1.40	3	2.10	3	2.10	1	0.70			9	6.30	
3	5	ROC with crest L of 5 m.	5	5		2	30	150	3500	525000			2	2.10	2	2.10	1	1.05			5	5.25	
4	3	ROC with crest L of 6 m.	3	6		2.5	45	135	3500	472500			1	1.58	1	1.57	1	1.57			3	4.72	
5	66	ROC with crest L of 2 m.	66	2		1.25	12	792	3500	2772000	9	3.78	16	6.72	18	7.56	8	3.36	15	6.30	66	27.72	
	98	<b>Sub total</b>						1482	3500	5187000													
A2 Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass																							
6		Plantation (in m.)		8000					20	160000													
<b>Sub total</b>				8000	FROM MGNREGA FUNDS				20	160000	1000	0.2	2000	0.40	2000	0.40	2000	0.40	1000	0.2	8000	1.60	
A3 Crate Wire Retaining wall to protect arable fields																							
7	1	1st step	1	15	1.5	1	22.5																
		2nd step	1	15	1	1	15																
<b>Sub total</b>								37.5	2500	93750	1	0.94										0.94	
A4 Field Bunding																							
8	1	Field Bunding	1	8000	0.75	0.6	3600	3600	200	720000	1000	0.90	2000	1.80	2000	1.80	2000	1.80	1000	0.90	8000	7.20	
			FROM MGNREGA FUNDS					3600	200	720000													
Improvement (in conveyance system for irrigation)																							
9		Underground Pipeline 10" dia- RCC pipe	1	300	Rs.36000-30% LABOUR CHARGES FROM MGNREGA				400	120000			300	0.84								300	0.84
<b>Sub total</b>			1	300					400	120000	MGNREGA		0.36									0.36	
<b>GRAND TOTAL</b>										<b>6280750</b>													
<b>MGNREGA</b>										<b>916000</b>													
<b>IWMP</b>										<b>5364750</b>													
<b>TOTAL YEAR WISE</b>												<b>8.27</b>	<b>18</b>	<b>18</b>	<b>9.93</b>	<b>8.98</b>	<b>62.81</b>						

Name of Village: Maira																						
S.No.	Structure No.	Type of work	Nos.	L (in m)	B (in m)	H/D	Contents (in cum)	Total Contents (in cum)	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total	
A1		Run off Control Structure on Arable Land										Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	
1	5	ROC with crest L of 3 m.	5	3		1.5	18	90	3500	315000	1.00	0.63			2.00	1.26			2.00	1.26	5.00	3.15
2	4	ROC with crest L of 4 m.	4	4		1	20	80	3500	280000					1.00	0.70	2.00	1.40	1.00	0.70	4.00	2.80
3	2	ROC with crest L of 5 m.	2	5		2	30	60	3500	210000	1.00	1.05			1.00	1.05					2.00	2.10
4	1	ROC with crest L of 6 m.	1	6		2.5	45	45	3500	157500					1.00	1.58					1.00	1.58
5	13	ROC with crest L of 2 m.	13	2		1.25	12	156	3500	546000			2.00	0.84	4.00	1.68	4.00	1.68	3.00	1.26	13.00	5.46
	25	<b>Sub total</b>						431	3500	1508500												
A2		Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass																				
5		Plantation (in m.		6000					20	120000	1000	0.20	1000	0.20	2000	0.40	1000	0.20	1000	0.20	6000	1.20
		<b>Sub total</b>		6000					20	120000												
A3		Crate Wire Retaining wall to protect arable fields																				
6	1	1st step	1	20	1.5	1	30															
		2nd step	1	20	1	1	20															
		<b>Sub total</b>						50	2500	125000	1	1.25									1	1.25
B		Improvement (in irrigation conveyance system																				
7	1	Underground Pipeline with 10" dia-RCC pipe		2000				1800	400	720000			2000	5.40							2000	5.40
		Sub total						1800	400	720000	2000			1.80							2000	1.80
		<b>GRAND TOTAL</b>								<b>2473500</b>												
		<b>MGNREGA</b>								<b>300000</b>												
		<b>IWMP</b>								<b>2173500</b>												
		<b>TOTAL YEAR WISE</b>										<b>3.13</b>		<b>8.24</b>		<b>6.67</b>		<b>3.28</b>		<b>3.42</b>		<b>24.74</b>

Name of Village: Gaddiwal																							
S.No.	Structure No.	Type of work	Nos.	L (in m)	B (in m)	H/D	Contents (in cum)	Total Contents (in cum)	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total		
Run off Control Structure on Arable Land											Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	
1	4	ROC with crest L of 4 m.	4	4		1.5	20	80	3500	280000			3	2.10			1	0.70			4	2.80	
2	4	ROC with crest L of 3 m.	4	3		1	15	60	3500	210000	1	0.53					1	0.53	2	1.04	4	2.10	
3	1	ROC with crest L of 5 m.	1	5		1.5	25	25	3500	87500			1	0.87							1	0.87	
4	2	ROC with crest L of 2 m.	2	2		1.25	12	24	3500	84000	1	0.42							1	0.42	2	0.84	
	11	<b>Sub total</b>						189	3500	661500													
Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass																							
5		Plantation (in m.		4000					20	80000			1000	0.20	1000	0.20	1000	0.20	1000	0.20	4000	0.80	
		<b>Sub total</b>		4000					20	80000													
Open channel to convey the runoff from fields																							
6	1	Open channel to convey the runoff from fields (in m.		150				150	300	45000	1	0.45									1	0.45	
		<b>Sub total</b>		150				150	300	45000													
Stone Masonry Retaining wall to protect the land from breaches of khad-Arable Land																							
7	1	1st step	1	55	1.5	0.6	49.5																
		2nd step	1	55	0.75	1	41.25																
		<b>Sub total</b>						90.75	3500	317625					1	3.18					1	3.18	
<b>GRAND TOTAL</b>										<b>1104125</b>													
<b>MGNREGA</b>										<b>80000</b>													
<b>IWMP</b>										<b>1024125</b>													
<b>TOTAL YEAR WISE</b>												<b>1.4</b>		<b>3.17</b>		<b>3.38</b>		<b>1.43</b>		<b>1.66</b>		<b>11.04</b>	

**Name of sub watershed: Garhi Mansowal-Achalpur**

Name of Village: Garhi Mansowal																							
S. No.	Structure No.	Type of work	Nos.	L (in m)	B (in m)	H/D	Contents (in cum)	Total Contents (in cum)	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total		
											Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	
A1		Run off Control Structure on Arable Land																					
1	15	ROC with crest L of 4 m.	15	4		1.5	20	300	3500	1050000	3	2.1	5	3.50	4	2.80	2	1.40	1	0.7	15	10.50	
2	20	ROC with crest L of 3 m.	20	3		1.5	15	300	3500	1050000	4	2.1	4	2.10	4	2.1	4	2.1	4	2.1	20	10.5	
3	8	ROC with crest L of 5 m.	8	5		1	30	240	3500	840000	2	2.1	2	2.10	2	2.10	1	1.05	1	1.05	8	8.40	
4	40	ROC with crest L of 2 m.	40	2		1	12	480	3500	1680000	6	2.52	20	8.40	7	2.94	1	0.42	6	2.52	40	16.80	
5	1	ROC with crest L of 12 m.	1	12		3	40	40	3500	140000					1	1.4					1	1.40	
	84	<b>Sub total</b>					117	1360	17500	4760000													
A2		Stone Masonry Retaining wall																					
6	1	1st step	1	50	2	0.6	60																
		2nd step	1	50	1	3	150																
		<b>Sub total</b>						210	3500	735000					1	7.35					1	7.35	
		Crate wire Retaining wall																					
7		1st step	1	25	2	0.6	30																
		2nd step	1	25	1.5	1	37.5																
		3rd step	1	25	1	1	25	92.5	2500	231250													
		<b>Sub total</b>						92.5	2500	231250			1	2.31							1	2.31	
A3		Open channel to convey excess run off from Arable Land																					
			1	100					200	20000													

		<b>Sub total</b>						200	20000									100	0.2	100	0.20	
A4		Improvement (in conveyance system for irrigation)																				
8			700					400	280000													
		<b>Sub total</b>	700					400	280000					400	2.8					400	2.80	
A5		Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass																				
6	1	Plantation (in m.	6000					20	120000													
FUNDS FROM MGNREGA			6000					20	120000			1500	0.3	1500	0.3	1500	0.3	1500	0.3	6000	1.20	
A6		Field Bunding																				
7		Field Bunding	5000	0.7 5	0.6	2250	2250	200	450000													
<b>Sub total</b>	FUNDS FROM MGNREGA						2250	200	450000	1000	0.9	1000	0.9	1000	0.9	1000	0.9	1000	0.9	5000	4.50	
<b>GRAND TOTAL</b>									<b>6596250</b>													
<b>MGNREGA</b>									<b>570000</b>													
<b>IWMP</b>									<b>6026250</b>													
<b>TOTAL YEAR WISE</b>											<b>9.72</b>		<b>19.61</b>		<b>19.89</b>		<b>8.97</b>		<b>7.77</b>		<b>65.96</b>	

Name of Village: Majari																				
S.No.	Structure No.	Type of work	Nos.	Contents (in cum)	Total Contents (in cum)	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total		
A1		Run off Control Structure on Arable Land							Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	3	ROC with crest L of 4 m.	3	20	60	3500	210000	1	0.7			1	0.70			1	0.7	3	2.10	
2	4	ROC with crest L of 3 m.	4	15	60	3500	210000	1	0.52					2	1.05	1	0.53	4	2.10	
3	1	ROC with crest L of 5 m.	1	60	60	3500	210000			1	2.10							1	2.10	
4	4	ROC with crest L of 2 m.	4	12	48	3500	168000			2	0.84			1	0.42	1	0.42	4	1.68	
	12	<b>Sub total</b>			228	3500	798000													
A4	Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass																			

9	1	Plantation (in m.	4000	FUNDS FROM MGNREGA	20	80000			1000	0.2	1000	0.2	1000	0.2	1000	0.2	4000	0.80	
<b>Sub total</b>			4000		20	80000													
Water Resource Development Works																			
		Renovation of existing pond				400000					1	2					1	2.00	
		50% cost towards renovation of pond to be met from MGNREGA funds									1	2					1	2.00	
<b>GRAND TOTAL</b>						<b>1278000</b>													
<b>MGNREGA</b>						<b>280000</b>													
<b>IWMP</b>						<b>998000</b>													
<b>TOTAL YEAR WISE</b>									<b>1.22</b>		<b>3.14</b>		<b>4.90</b>		<b>1.67</b>		<b>1.85</b>	<b>12.78</b>	

Name of Village: Kokowal																				
S.No.	Structure No.	Type of work	Nos.	Contents (in cum)	Total Contents (in cum)	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total		
A1		Run off Control Structure on Arable Land						Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	
1	5	ROC with crest L of 4 m.	5	20	100	3500	350000	1	0.7	2	1.40	2	1.40					5	3.50	
2	10	ROC with crest L of 3 m.	10	15	150	3500	525000	2	1.05	2	1.05	4	2.10	2	1.05			10	5.25	
3	3	ROC with crest L of 5 m.	3	60	180	3500	630000			1	2.10			1	2.10	1	2.10	3	6.30	
4	20	ROC with crest L of 2 m.	20	12	240	3500	840000	4	1.68	2	0.84	9	3.78	4	1.68	1	0.42	20	8.40	
5	8	ROC with crest L of 3 m.	8	12	96	3500	336000	1	0.42	1	0.42	3	1.26	1	0.42	2	0.84	8	3.36	
6	2	ROC with crest L of 6 m.	2	45	90	3500	315000					1	1.57			1	1.58	2	3.15	
	<b>48</b>	<b>Sub total</b>				<b>856</b>	<b>3500</b>	<b>2996000</b>												
A2		Silt Detention Structure																		
7	1	1st step	1	120	120	3500	420000			1	4.2							1	4.20	



<b>Sub total</b>						<b>120</b>	<b>3500</b>	<b>420000</b>												
<b>A3</b>	<b>Open channel to convey excess run off from Arable Land</b>																			
8		Open channel	450				200	90000	450	0.9								450	0.90	
<b>Sub total</b>							<b>200</b>	<b>90000</b>												
<b>A4</b>	<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>																			
9	1	Plantation	5000	FUNDS FROM MGNREGA			20	100000												
<b>Sub total</b>			<b>5000</b>				<b>20</b>	<b>100000</b>	1000	0.2	1000	0.2	1000	0.2	1000	0.2	1000	0.2	5000	1.00
<b>GRAND TOTAL</b>																				
<b>MGNREGA</b>																				
<b>IWMP</b>																				
<b>TOTAL YEAR WISE</b>																				
										<b>4.95</b>		<b>10.2</b>		<b>10.3</b>		<b>5.45</b>		<b>5.14</b>		<b>36.06</b>

Name of Village: Bhawaniapur																						
S.No.	Structure No.	Type of work	Nos.	L (in m)	B (in m)	H/D	Contents (in cum)	Total Contents (in cum)	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total	
											Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
A1	Run off Control Structure on Arable Land																					
1	10	ROC with crest L of 3 m.	10	3		1.5	15	150	3500	525000			4	2.10	4	2.10	2	1.05			10	5.25
2	10	ROC with crest L of 2 m.	10	2		1	12	120	3500	420000			2	0.84	3	1.26	5	2.1			10	4.20
	20	<b>Sub total</b>					27	270	7000	945000												
A2	Stone Masonry Retaining wall																					
3	1	1st step	1	35	2	0.6	42															
		2nd step	1	35	1	2.5	87.5															
		<b>Sub total</b>						129.5	3500	453250	1	4.53									1	4.53
A3	Silt Detention Structures																					
4		SDS	3	10		5	150	450	3500	1575000			1	5.25	1	5.25			1	5.25	3	15.75
		<b>Sub total</b>						450	3500	1575000												

A4	Open channel to convey excess run off from Arable Land																																				
5	Open channel (in m.)	50								200	10000							200	0.1			200	0.10														
6	<b>Renovation of pond</b>	<b>FUNDS FROM RKVY</b>												10		5		5					20.00														
<b>Sub total</b>										200	10000																										
A5	Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass																																				
7	1	Plantation (in m.)	4000	FUNDS FROM MGNREGA							20	80000		1000	0.2	1000	0.2	1000	0.2	1000	0.2																
<b>Sub total</b>		4000							20	80000																											
<b>GRAND TOTAL</b>											<b>3063250</b>																										
<b>MGNREGA</b>											<b>80000</b>																										
<b>RKVY</b>											<b>2000000</b>																										
<b>IWMP</b>											<b>4983250</b>																										
<b>TOTAL YEAR WISE</b>																	<b>4.53</b>	<b>18.39</b>	<b>13.81</b>	<b>8.45</b>	<b>5.45</b>	<b>49.83</b>															

Name of Village: Harwan																							
S.N o.	Structure No.	Type of work	No s.	L (in m)	B (in m)	H/D	Contents (in cum)	Total Contents (in cum)	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total		
A1	Run off Control Structure on Arable Land										Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	
1	5	ROC with crest	5	4		1.5	20	100	3500	350000	1	0.7	1	0.7	1	0.70	1	0.70	1	0.7	5	3.50	
2	8	ROC with crest	8	3		1.5	15	120	3500	420000	2	1.05	1	0.53	1	0.52	2	1.05	2	1.05	8	4.2	
3	2	ROC with crest	2	5		1	30	60	3500	210000	1	1.05					1	1.05			2	2.1	
4	10	ROC with crest	11	2		1	12	132	3500	462000	2	0.84	2	0.84	2	0.84	1	0.42	4	1.68	11	4.62	
<b>Sub total</b>								<b>412</b>	<b>14000</b>	<b>1442000</b>													
A2	Crate Wire Retaining wall																						
5		1st step	1	65	2	0.6	78																
		2nd step	1	65	1.5	1	97.5																
		3rd step	1	65	1	1	65																

								240.5	2500	601250			1	6.01						1	6.01		
5		1st step	1	65	2	0.6	78																
		2nd step	1	65	1.5	1	97.5																
		3rd step	1	65	1	1	65																
								240.5	2500	601250					1	6.01					1	6.01	
<b>A3</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass-FUNDS FROM MGNREGA</b>																					
6	1	Plantation		5000					20	100000													
<b>Sub total</b>				<b>5000</b>					<b>20</b>	<b>100000</b>	1000	0.2	1000	0.2	1000	0.2	1000	0.2	1000	0.2	5000	1.00	
<b>A4</b>		<b>Field Bunding-FUNDS FROM MGNREGA</b>																					
7		Field Bunding		3000	0.75	0.6	1350	1350	200	270000													
<b>Sub total</b>								<b>1350</b>	<b>200</b>	<b>270000</b>	600	0.54	600	0.54	600	0.54	600	0.54	600	0.54	3000	2.70	
<b>GRAND TOTAL</b>																							
<b>MGNREGA</b>																							
<b>IWMP</b>																							
<b>TOTAL YEAR WISE</b>																							
												<b>4.38</b>		<b>8.82</b>		<b>8.81</b>		<b>3.96</b>		<b>4.17</b>		<b>30.14</b>	

Name of Village: Binewal-Tibbian																								
S.No.	Structure No.	Type of work	No. s.	L (in m)	B (in m)	H/D	Contents (in cum)	Total Contents (in cum)	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total			
A1											Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin		
<b>Run off Control Structure on Arable Land</b>																								
1	2	ROC with crest	2	4		2.5	35	70	3500	245000			1	1.22	1	1.23					2	2.45		
2	2	ROC with crest	2	5		2.5	45	90	3500	315000					1	1.58	1	1.57			2	3.15		
3	9	ROC with crest	9	2		1	12	108	3500	378000	1	0.42	1	0.42	2	0.84	1	0.42	4	1.68	9	3.78		
	13	<b>Sub total</b>						<b>268</b>	<b>3500</b>	<b>938000</b>														
<b>A2</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>																						
4	1	Plantation		4600					20	92000	850	0.17	1300	0.26	1300	0.26					1150	0.23		
		<b>Sub total</b>		<b>4600</b>					<b>20</b>	<b>92000</b>														
<b>A3</b>		<b>Field Bunding</b>																						
5	1	Field Bunding		4000	0.75	0.6	1800	1800	200	360000	1000	0.9	1000	0.9	1000	0.9	1000	0.9			4000	3.60		
<b>Sub total</b>		<b>FUNDS FROM MGNREGA</b>									<b>200</b>	<b>360000</b>												

A4		Stone Masonry Structure-Retaining wall																			
6	1	1st step	1	16	1.5	0.7	16.8	16.8	3500												
	1	2nd step	1	16	1	0.75	12	12	3500												
	1	3rd step	1	16	0.5	0.75	6.00	6.00	3500		1	1.22							1	1.22	
		<b>Sub total</b>						<b>34.80</b>	<b>3500</b>	<b>121800</b>											
B		Water Resource Development Works																			
7	1	Renovatio n of farm pond	1	60	50	1.7	5100		200000			1	2						1	2.00	
			<b>FUNDS FROM MGNREGA</b>								200000		1	2					1	2.00	
		<b>Sub total</b>							<b>400000</b>												
<b>GRAND TOTAL</b>										<b>1911800</b>											
<b>MGNREGA</b>										<b>560000</b>											
<b>IWMP</b>										<b>1351800</b>											
<b>TOTAL YEAR WISE</b>												2.71		6.80		4.81		2.89		1.91	19.12

Name of Village: Binewal-Pipliwal																						
S.N o.	Struc ture No.	Type of work	No s.	L (in m)	B (in m)	H/D	Conte nts (in cum	Total Conte nts (in cum	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total	
											Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
<b>A1</b>		<b>Run off Control Structure on Arable Land</b>																				
1	3	ROC with crest L of 3 m.	3	3		2.5	25	75	3500	262500	1	0.88	1	0.87	1	0.87					3	2.62
2	3	ROC with crest L of 4 m.	3	4		2.5	35	105	3500	367500			1	1.23	1	1.23	1	1.22			3	3.68
3	1	ROC with crest L of 5 m.	1	5		3	45	45	3500	157500									1	1.57	1	1.57
4	1	ROC with crest L of 6 m.	1	6		3	55	55	3500	192500					1	1.93					1	1.93
5	10	ROC with crest L of 2 m.	10	2		1	12	120	3500	420000	1	0.42	2	0.84	2	0.84	3	1.26	2	0.84	10	4.20
	<b>18</b>	<b>Sub total</b>						<b>400</b>	<b>3500</b>	<b>1400000</b>												

<b>A2</b>		<b>Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass</b>																					
4	1	Plantation (in m.		4000					20	80000													
		<b>Sub total</b>		<b>4000</b>	<b>FUNDS FROM MGNREGA</b>					<b>20</b>	<b>80000</b>	800	0.16	800	0.16	800	0.16	800	0.16	800	0.16	4000	0.80
<b>A3</b>		<b>Field Bunding</b>																					
5	1	Field Bunding		2000	0.75	0.6	900	900	200	180000	400	0.36	400	0.36	400	0.36	400	0.36	400	0.36	2000	1.80	
		<b>Sub total</b>							<b>200</b>	<b>180000</b>													
<b>A4</b>		<b>Stone Masonry Structure-Retaining wall</b>																					
6	1	1st step	1	13	1.5	0.6	11.7	11.7	3500														
	1	2nd step	1	13	1	0.75	9.75	9.75	3500														
	1	3rd step	1	13	0.5	0.75	4.88	4.88	3500														
		<b>Sub total</b>						<b>26.33</b>	<b>3500</b>	<b>92138</b>	1	0.92									1	0.92	
<b>B</b>		<b>Water Resource Development Works</b>																					
7	1	Renovation of farm pond 60x20 m)	1	60						200000			1	2							1	2.00	
		Renovation of farm pond 60x20 m)		60	<b>FUNDS FROM MGNREGA</b>						200000			1	2							1	2.00
		<b>Sub total</b>								<b>400000</b>													
<b>GRAND TOTAL</b>																							
<b>MGNREGA</b>																							
<b>IWMP</b>																							
<b>TOTAL YEAR WISE</b>																							
												<b>2.74</b>		<b>7.46</b>			<b>5.39</b>			<b>3.00</b>		<b>2.93</b>	<b>21.52</b>

Name of Village: Binewal																						
S.No.	Structure No.	Type of work	No s.	L (in m)	B (in m)	H/D	Contents (in cum)	Total Contents (in cum)	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total	
A1		Run off Control Structure on Arable Land									Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	12	ROC with crest L of 3 m.	12	3		1.5	15	180	3500	630000	2	1.05	3	1.57	3	1.57	2	1.05	2	1.05	12	6.29



4	24	ROC with crest L of 2 m.	24	2		1	12	288	3500	1008000	5	2.1	7	2.94	5	2.1	3	1.26	4	1.68	24	10.08				
5	6	ROC with crest L of 5 m.	6	5		1	30	180	3500	630000			3	3.15	2	2.1	1	1.05			6	6.30				
6	15	ROC with crest L of 2 m.	15	2		1.5	15	225	3500	787500	3	1.58	2	1.05	4	2.1	3	1.57	3	1.57	15	7.87				
	61	<b>Sub total</b>						1013	3500	3545500																
A2		Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass																								
7	1	Plantation (in m.		5000					20	100000	1000	0.2	1000	0.2	1000	0.2	1000	0.2	1000	0.2	5000	1.00				
		<b>Sub total</b>		5000					20	100000																
		<b>Field Bunding</b>																								
8		Field Bunding		2500	1	0.6	1125	1125	200	225000	500	0.45	500	0.45	500	0.45	500	0.45	500	0.45	2500	2.25				
		<b>Sub total</b>						1125	200	225000																
<b>GRAND TOTAL</b>																										
<b>MGNREGA</b>																										
<b>IWMP</b>																										
<b>TOTAL YEAR WISE</b>																										
												5.38		10.94		10.80		5.75		5.83		38.70				

Name of Village: Achalpur																						
S.No.	Structure No.	Type of work	Nos.	L (in m)	B (in m)	H/D	Contents (in cum)	Total Contents (in cum)	Rate	Amount	2011-12		2012-13		2013-14		2014-15		2015-16		Total	
Run off Control Structure on Arable Land											Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	ROC with crest L of 4 m.	2	4		1.5	20	40	3500	140000	1	0.7			1	0.70					2	1.40
2	4	ROC with crest L of 3 m.	4	3		1.5	15	60	3500	210000	2	1.05			2	1.05					4	2.10
3	9	ROC with crest L of 2 m.	9	2		1.5	12	108	3500	378000			3	1.26	4	1.68			2	0.84	9	3.78

4	25	ROC with crest L of 1 m.	25	1		1	8	200	3500	700000	5	1.4	5	1.40	9	2.52			6	1.68	25	7.00
	40	<b>Sub Total</b>						408	3500	1428000												
A2		Plantation of vegetative field boundaries on Arable Land on field bunds with Napier grass-FUNDS FROM MGNREGA																				
5	1	Plantation (in m.		5000				20	100000	1000	0.2	1000	0.2	1000	0.2	1000	0.2	1000	0.2	5000	1.0	
Sub total			5000					20	100000													
A3		Crate Wire Retaining wall																				
6	1	1st step	1	10	2	0.6	12															
		2nd step	1	10	1.5	1	15															
		3rd step	1	10	1	1	10															
		<b>Sub total</b>						37	2500	92500					1	0.93					1	0.93
A4		Stone Masonry Structure-Retaining wall																				
7	1	1st step	1	20	2	0.6	24															
	1	2nd step	1	20	1	3	60															
								84	3500	294000												
		<b>Sub total</b>						84	3500	294000						1	2.94				1	2.9
B		Gully Stabilization with Stone Masonry structures																				
8		SDS	1	8		5	120	120	3500	420000			1	4.2							1	4.2
		<b>Sub total</b>						120	3500	420000												
<b>GRAND TOTAL</b>										<b>2334500</b>												
<b>MGNREGA</b>										<b>100000</b>												
<b>IWMP</b>										<b>2234500</b>												
<b>TOTAL YEAR WISE</b>												<b>3.35</b>		<b>7.06</b>		<b>7.08</b>		<b>3.14</b>		<b>2.72</b>		<b>23.35</b>



**CAPACITY BUILDING PLAN**

**NATURAL RESOURCE  
MANAGEMENT WORKS**

**HOSHIARPUR – IWMP-4/10-11**

**2011-12 TO 2015-16**

## TRAINING AT DISTRICT LEVEL

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

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.
		<b>Institutional Arrangement</b>	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	<b>Financial Management</b>	Expert	12.00-13.00 hrs
		What is Financial management?		
		Difference between accounting and Financial management		
		Rules and regulations		
		<b>Coordination</b>	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		
		<b>Convergence of resources and services</b>	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 analyze.		
		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 organization 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	<b>Plan &amp; Budget approval procedures</b>	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	<b>Institutional &amp; Financial arrangements</b>	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	<b>Community organization</b>	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	<b>Monitoring &amp; Supervision</b>	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	<b>inter &amp; intra agency Coordination</b>	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	<b>Convergence with line department</b>	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	Inventory generation Activity ( IGA) Difference between jobs and Inventory generation Ownership Identification of an Inventory generation activity. Market survey and Feasibility study.	10.30-11.45 hrs.
		Tea break	11.45-12.00 hrs.
	2	Inventory 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 Developing - 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
		Practicing listening, observing, paraphrasing Practicing questioning, probing and dialogue	
		Practicing feedback and managing group dynamics Practicing 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, practical. 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. Situational analysis of the watershed	11.45-12.30 hrs.
		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/Inventory Generation Difference between employment and Inventory generation. Ownership Importance of Inventory generation Identification of an Inventory 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 Inventory 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 Vermicomposting	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 Ma(in 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 is 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.

S.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.