

## CHAPTER - VII

### 7.0 STRATEGY FOR IMPLEMENTATION OF IWMP

#### Prioritisation of available area

The microwatersheds which are not covered/treated have been prioritised on the basis of weightage value assigned as per the criteria laid down in the format of PPR issued by Gol-DoLR. The silt yield index is also taken into consideration while prioritisation of microwatersheds.

#### Area coverage for treatment for next 18 years.

**Table – SPSP 19 : Plan-wise phasing of physical (area in ha) & financial (Rs. in Crore) targets of IWMP for next 18 years**

S. No.	Names of Districts	Remaining period of XI Plan		XII Plan		XIII Plan		XIV Plan		Total for 18 years	
		(2009-10 to 2011-12)		(2012-13 to 2016-17)		(2017-18 to 2021-22)		(2022-23 to 2026-27)		Phy.	Fin.
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.		
1	ALIRAJPUR	61432	7371.84	74959	8995.08	50000	6000.00	0	0.00	186391	22366.92
2	ANUPPUR	53816	6457.92	62960	7555.20	75000	9000.00	38000	4560.00	229776	27573.12
3	ASHOKNAGAR	65103	7812.36	80794	9695.28	75000	9000.00	151600	18192.00	372497	44699.64
4	BALAGHAT	66405	7968.60	66514	7981.68	80085	9610.20	0	0.00	213004	25560.48
5	BARWANI	67500	8100.00	39064	4687.68	0	0.00	0	0.00	106564	12787.68
6	BETUL	58204	6984.48	70000	8400.00	78678	9441.36	0	0.00	206882	24825.84
7	BHIND	59612	7153.44	80000	9600.00	75000	9000.00	90789	10894.68	305401	36648.12
8	BHOPAL	61440	7372.80	50000	6000.00	34690	4162.80	0	0.00	146130	17535.60
9	BURHANPUR	64832	7779.84	46884	5626.08	0	0.00	0	0.00	111716	13405.92
10	CHHATARPUR	63767	7652.04	150000	18000.00	80000	9600.00	235295	28235.40	529062	63487.44

S. No.	Names of Districts	Remaining period of XI Plan		XII Plan		XIII Plan		XIV Plan		Total for 18 years	
		(2009-10 to 2011-12)		(2012-13 to 2016-17)		(2017-18 to 2021-22)		(2022-23 to 2026-27)			
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
11	CHHINDWARA	58621	7034.52	75000	9000.00	75000	9000.00	110782	13293.84	319403	38328.36
12	DAMOH	54516	6541.92	75000	9000.00	75000	9000.00	65276	7833.12	269792	32375.04
13	DATIA	65000	7800.00	59176	7101.12	50000	6000.00	0	0.00	174176	20901.12
14	DEWAS	63711	7645.32	75000	9000.00	75000	9000.00	149095	17891.40	362806	43536.72
15	DHAR	59921	7190.52	75000	9000.00	75000	9000.00	166246	19949.52	376167	45140.04
16	DINDORI	61110	7333.20	75000	9000.00	75000	9000.00	59601	7152.12	270711	32485.32
17	GUNA	64916	7789.92	75000	9000.00	75000	9000.00	51021	6122.52	265937	31912.44
18	GWALIOR	62223	7466.76	61439	7372.68	0	0.00	0	0.00	123662	14839.44
19	HARDA	63711	7645.32	62121	7454.52	0	0.00	0	0.00	125832	15099.84
20	HOSHANGABAD	64000	7680.00	51458	6174.96	0	0.00	0	0.00	115458	13854.96
21	INDORE	61849	7421.88	75000	9000.00	75000	9000.00	41591	4990.92	253440	30412.80
22	JABALPUR	64000	7680.00	75000	9000.00	75000	9000.00	77552	9306.24	291552	34986.24
23	JHABAU	57164	6859.68	52995	6359.40	50000	6000.00	0	0.00	160159	19219.08
24	KATNI	63000	7560.00	75000	9000.00	68197	8183.64	0	0.00	206197	24743.64
25	KHANDWA	61686	7402.32	53441	6412.92	50000	6000.00	0	0.00	165127	19815.24
26	KHARGONE	68122	8174.64	75000	9000.00	75000	9000.00	77801	9336.12	295923	35510.76
27	MANDLA	65000	7800.00	75000	9000.00	50356	6042.72	0	0.00	190356	22842.72
28	MANDSAUR	66272	7952.64	75000	9000.00	75000	9000.00	97357	11682.84	313629	37635.48

S. No.	Names of Districts	Remaining period of XI Plan		XII Plan		XIII Plan		XIV Plan		Total for 18 years	
		(2009-10 to 2011-12)		(2012-13 to 2016-17)		(2017-18 to 2021-22)		(2022-23 to 2026-27)		Phy.	Fin.
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.		
29	MORENA	65000	7800.00	75000	9000.00	75000	9000.00	34240	4108.80	249240	29908.80
30	NARSINGHPUR	64828	7779.36	75000	9000.00	75000	9000.00	119371	14324.52	334199	40103.88
31	NEEMUCH	65000	7800.00	50000	6000.00	48070	5768.40	0	0.00	163070	19568.40
32	PANNA	59913	7189.56	75000	9000.00	74912	8989.44	0	0.00	209825	25179.00
33	RAISEN	66636	7996.32	75000	9000.00	75000	9000.00	77994	9359.28	294630	35355.60
34	RAJGARH	58599	7031.88	75000	9000.00	75000	9000.00	217715	26125.80	426314	51157.68
35	RATLAM	64649	7757.88	75000	9000.00	75000	9000.00	77514	9301.68	292163	35059.56
36	REWA	53188	6382.56	75000	9000.00	75000	9000.00	102678	12321.36	305866	36703.92
37	SAGAR	63571	7628.52	75000	9000.00	75000	9000.00	336317	40358.04	549888	65986.56
38	SATNA	64859	7783.08	75000	9000.00	75000	9000.00	132135	15856.20	346994	41639.28
39	SEHORE	63824	7658.88	75000	9000.00	75000	9000.00	130352	15642.24	344176	41301.12
40	SEONI	61585	7390.20	50000	6000.00	24360	2923.20	0	0.00	135945	16313.40
41	SHAHDOL	62300	7476.00	52237	6268.44	50000	6000.00	0	0.00	164537	19744.44
42	SHAJAPUR	64250	7710.00	75000	9000.00	75000	9000.00	222090	26650.80	436340	52360.80
43	SHEOPUR	61828	7419.36	75000	9000.00	49199	5903.88	0	0.00	186027	22323.24
44	SHIVPURI	58582	7029.84	75000	9000.00	75000	9000.00	214048	25685.76	422630	50715.60
45	SIDHI	59200	7104.00	75000	9000.00	55717	6686.04	0	0.00	189917	22790.04
46	SINGROLI	55582	6669.84	75000	9000.00	39418	4730.16	0	0.00	170000	20400.00

S. No.	Names of Districts	Remaining period of XI Plan		XII Plan		XIII Plan		XIV Plan		Total for 18 years	
		(2009-10 to 2011-12)		(2012-13 to 2016-17)		(2017-18 to 2021-22)		(2022-23 to 2026-27)			
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
47	TIKAMGARH	67581	8109.72	75000	9000.00	75000	9000.00	39097	4691.64	256678	30801.36
48	UJJAIN	53581	6429.72	75000	9000.00	75000	9000.00	262289	31474.68	465870	55904.40
49	UMARIA	53851	6462.12	80337	9640.44	0	0.00	0	0.00	134188	16102.56
50	VIDISHA	58461	7015.32	75000	9000.00	75000	9000.00	156574	18788.88	365035	43804.20
	<b>Total</b>	<b>3093801</b>	<b>371256.12</b>	<b>3544379</b>	<b>425325.48</b>	<b>2958682</b>	<b>355041.84</b>	<b>3534420</b>	<b>424130.40</b>	<b>13131282</b>	<b>1575753.84</b>

**Table-SPSP 20: Year-wise phasing of physical (area in '000 ha) & financial (Rs. in lakh) targets of IWMP for remaining period of XI Plan**

1 S. No	2 District	3 Remaining period of XI Plan												
		2009-10			2010-11			2011-12			Total			
		Phy.		Fin. (Rs. in lakh)	Phy.		Fin. (Rs. in lakh)	Phy.		Fin. (Rs. in lakh)	Phy.		Fin. (Rs. in lakh)	
		No. of proj- ects	No. of Micro WS Covered		Area (Ha.)	No. of proj- ects (Micro Water sheds)		Area (Ha.)	No. of proj- ects (Micro Water sheds)		Area (Ha.)	No. of proj- ects (Micro Water sheds)		Area (Ha.)
1	Alirajpur	1	36	20504.00	2460.48	33	20928.00	2511.36	26	20000.00	2400.00	95	61432.00	7371.84
2	Anuppur	0	0	0.00	0.00	36	25000.00	3000.00	33	28816.00	3457.92	69	53816.00	6457.92
3	Ashoknagar	0	0	0.00	0.00	39	30000.00	3600.00	38	35103.00	4212.36	77	65103.00	7812.36
4	Balaghat	0	0	0.00	0.00	43	30000.00	3600.00	32	36405.00	4368.60	75	66405.00	7968.60
5	Barwani	3	29	17302.16	2076.26	33	20000.00	2400.00	31	30197.84	3623.74	93	67500.00	8100.00
6	Betul	5	31	26161.11	3139.33	18	12042.89	1445.15	16	20000.00	2400.00	65	58204.00	6984.48
7	Bhind	0	0	0.00	0.00	22	20000.00	2400.00	40	39612.00	4753.44	62	59612.00	7153.44
8	Bhopal	3	29	20000.00	2400.00	26	21440.00	2572.80	18	20000.00	2400.00	73	61440.00	7372.80
9	Burhanpur	0	0	0.00	0.00	27	30000.00	3600.00	29	34832.00	4179.84	56	64832.00	7779.84
10	Chhatarpur	0	0	0.00	0.00	29	25000.00	3000.00	41	38767.00	4652.04	70	63767.00	7652.04
11	Chhindwara	2	26	19500.00	2340.00	26	19121.00	2294.52	17	20000.00	2400.00	69	58621.00	7034.52
12	Damoh	0	0	0.00	0.00	12	20000.00	2400.00	31	34516.00	4141.92	43	54516.00	6541.92
13	Datia	2	31	20343.00	2441.16	18	24657.00	2958.84	18	20000.00	2400.00	67	65000.00	7800.00
14	Dewas	0	0	0.00	0.00	22	28000.00	3360.00	22	35711.00	4285.32	44	63711.00	7645.32
15	Dhar	4	31	23200.00	2784.00	14	16721.00	2006.52	16	20000.00	2400.00	61	59921.00	7190.52
16	Dindori	0	0	0.00	0.00	31	25000.00	3000.00	28	36110.00	4333.20	59	61110.00	7333.20
17	Guna	1	22	20000.00	2400.00	28	24916.00	2989.92	15	20000.00	2400.00	65	64916.00	7789.92
18	Gwalior	4	42	21752.00	2610.24	15	20471.00	2456.52	14	20000.00	2400.00	71	62223.00	7466.76
19	Harda	0	0	0.00	0.00	27	29000.00	3480.00	35	34711.00	4165.32	62	63711.00	7645.32
1	2	3												

S. No	District	Remaining period of XI Plan												
		2009-10			2010-11			2011-12			Total			
		Phy.		Fin. (Rs. in lakh)	Phy.		Fin. (Rs. in lakh)	Phy.		Fin. (Rs. in lakh)	Phy.		Fin. (Rs. in lakh)	
		No. of projects	No. of Micro WS Covered		Area (Ha.)	No. of projects (Micro Water sheds)		Area (Ha.)	No. of projects (Micro Water sheds)		Area (Ha.)	No. of projects (Micro Water sheds)		Area (Ha.)
20	Hoshangabad	2	36	14850.00	1782.00	28	29150.00	3498.00	17	20000.00	2400.00	81	64000.00	7680.00
21	Indore	1	18	18035.00	2164.20	24	23814.00	2857.68	16	20000.00	2400.00	58	61849.00	7421.88
22	Jabalpur	4	44	25725.00	3087.00	14	18275.00	2193.00	18	20000.00	2400.00	76	64000.00	7680.00
23	Jhabua	3	20	20002.00	2400.24	13	17162.00	2059.44	22	20000.00	2400.00	55	57164.00	6859.68
24	Katni	3	20	20000.00	2400.00	21	23000.00	2760.00	23	20000.00	2400.00	64	63000.00	7560.00
25	Khandwa	3	31	22650.00	2718.00	16	19036.00	2284.32	17	20000.00	2400.00	64	61686.00	7402.32
26	Khargone	3	25	21000.00	2520.00	26	27122.00	3254.64	19	20000.00	2400.00	70	68122.00	8174.64
27	Mandla	2	25	19675.45	2361.05	25	25324.55	3038.95	20	20000.00	2400.00	70	65000.00	7800.00
28	Mandsaur	4	28	20084.00	2410.08	28	26188.00	3142.56	18	20000.00	2400.00	74	66272.00	7952.64
29	Morena	3	50	21000.00	2520.00	31	24000.00	2880.00	14	20000.00	2400.00	95	65000.00	7800.00
30	Narsinghpur	1	33	20791.00	2494.92	30	24037.00	2884.44	17	20000.00	2400.00	80	64828.00	7779.36
31	Neemuch	3	32	20807.00	2496.84	29	24193.00	2903.16	15	20000.00	2400.00	76	65000.00	7800.00
32	Panna	3	38	20000.00	2400.00	16	19913.00	2389.56	18	20000.00	2400.00	72	59913.00	7189.56
33	Raisen	0	0	0.00	0.00	17	29000.00	3480.00	38	37636.00	4516.32	55	66636.00	7996.32
34	Rajgarh	0	0	0.00	0.00	22	20000.00	2400.00	40	38599.00	4631.88	62	58599.00	7031.88
35	Ratlam	3	27	25227.82	3027.34	24	19421.18	2330.54	17	20000.00	2400.00	68	64649.00	7757.88
36	Rewa	4	26	21833.00	2619.96	11	25000.00	3000.00	8	6355.00	762.60	45	53188.00	6382.56
37	Sagar	2	25	20963.00	2515.56	16	22608.00	2712.96	18	20000.00	2400.00	59	63571.00	7628.52
38	Satna	2	28	9619.45	1154.33	18	20000.00	2400.00	36	35239.55	4228.75	82	64859.00	7783.08

1 S. No	2 District	3 Remaining period of XI Plan												
		2009-10			2010-11			2011-12			Total			
		Phy.		Fin. (Rs. in lakh)	Phy.		Fin. (Rs. in lakh)	Phy.		Fin. (Rs. in lakh)	Phy.		Fin. (Rs. in lakh)	
		No. of proj- ects	No. of Micro WS Covered		Area (Ha.)	No. of proj- ects (Micro Water sheds)		Area (Ha.)	No. of proj- ects (Micro Water sheds)		Area (Ha.)	No. of proj- ects (Micro Water sheds)		Area (Ha.)
39	Sehore	0	0	0.00	0.00	41	43824.00	5258.88	17	20000.00	2400.00	58	63824.00	7658.88
40	Seoni	2	20	19983.00	2397.96	22	21602.00	2592.24	15	20000.00	2400.00	57	61585.00	7390.20
41	Shahdol	0	0	0.00	0.00	23	29000.00	3480.00	27	33300.00	3996.00	50	62300.00	7476.00
42	Shajapur	0	0	0.00	0.00	24	29000.00	3480.00	31	35250.00	4230.00	55	64250.00	7710.00
43	Sheopur	0	0	0.00	0.00	27	25000.00	3000.00	37	36828.00	4419.36	64	61828.00	7419.36
44	Shivpuri	4	43	22500.00	2700.00	15	16082.00	1929.84	15	20000.00	2400.00	73	58582.00	7029.84
45	Sidhi	0	0	0.00	0.00	18	25000.00	3000.00	38	34200.00	4104.00	56	59200.00	7104.00
46	Singroli	0	0	0.00	0.00	31	25000.00	3000.00	24	30582.00	3669.84	55	55582.00	6669.84
47	Tikamgarh	1	17	20600.00	2472.00	33	26981.00	3237.72	17	20000.00	2400.00	67	67581.00	8109.72
48	Ujjain	4	23	22527.00	2703.24	14	11054.00	1326.48	18	20000.00	2400.00	55	53581.00	6429.72
49	Umaria	0	0	0.00	0.00	19	22000.00	2640.00	36	31851.00	3822.12	55	53851.00	6462.12
50	Vidisha	2	29	21483.00	2577.96	12	16978.00	2037.36	15	20000.00	2400.00	56	58461.00	7015.32
	<b>Total</b>	<b>84</b>	<b>915</b>	<b>638117.99</b>	<b>76574.16</b>	<b>1187</b>	<b>1171061.62</b>	<b>140527.39</b>	<b>1181</b>	<b>1284621.39</b>	<b>154154.57</b>	<b>3283</b>	<b>3093801.00</b>	<b>371256.12</b>

**Table-SPSP 21: Details of district wise and category-wise area proposed to be taken up under IWMP during next 3 years i.e upto 11<sup>th</sup> Five Year Plan.**

S. No.	District	Year	Total area available for treatment	Total area proposed to take up under IWMP in the next 3 years	Terrain of the proposed area	Land use type of proposed area		Ownership pattern of the proposed area					No. of beneficiaries covered		Identified DPAP/ DDP Blocks covered	
					Others	cultivated rainfed area	Uncultivated Wasteland	Private	Community	Forest	Others (pl. specify)	Total area	Landless	Total	DPAP	
															No. of blocks	Area
1	DATIA	2009-10	21380	20343	20343	6698.29	3889.33	8104.6	408.02	3722.01	8108.28	24232.24	3154	21189	0	0
		2010-11									0					
		2011-12									0					
		Sub-total									0					
2	SATNA	2009-10	14784.89	9619.45	9619.45	4045.37	929.2	5448.75	73	825.33	3272.33	9619.45	26309	46090	0	0
		2010-11									0					
		2011-12									0					
		Sub-total									0					
3	BETUL	2009-10	31631.43	26161.11	26161.11	12720.11	4539.56	15611.8	711.31	10051.7	6668.52	26161.11	2199	5591	5	26161.114
		2010-11									0					
		2011-12									0					
		Sub-total									0					
4	INDORE	2009-10	19815	18035	18035	6843	317.5	8359.5	449	8909	317.5	18035	802	5274	0	0
		2010-11									0					
		2011-12									0					
		Sub-total									0					
5	MORENA	2009-10	26926	21000	21000	6976	749	11449.5	125	0	9405.5	21000	633	10603	0	0
		2010-11									0					
		2011-12									0					
		Sub-total									0					
6	VIDISHA	2009-10	24073	21483	21483	10247	156	5675	480	4279	156	21483	1087	4501	0	0
		2010-11									0					
		2011-12									0					
		Sub-total									0					



S. No.	District	Year	Total area available for treatment	Total area proposed to take up under IWMP in the next 3 years	Terrain of the proposed area	Land use type of proposed area		Ownership pattern of the proposed area					No. of beneficiaries covered		Identified DPAP/ DDP Blocks covered	
					Others	cultivated rainfed area	Uncultivated Wasteland	Private	Community	Forest	Others (pl. specify)	Total area	Landless	Total	DPAP	
															No. of blocks	Area
7	KHANDWA	2009-10	24850	22650	22650	11281.07	921.84	14092.6	766.22	3701.48	6518.45	22650	674	2192	3	22650
		2010-11									0					
		2011-12									0					
		Sub-total									0					
8	HOSHAN-GABAD	2009-10	15639	14850	14850	5943.55	676.77	8781.09	0	2342.76	3735.15	14850	3478	13604	0	0
		2010-11									0					
		2011-12									0					
		Sub-total									0					
9	SEONI	2009-10	21143	19983	19983	6853.88	6546.75	9544.5	1349.12	1975.63	7113.75	19983	545	4192	1	9998
		2010-11									0					
		2011-12									0					
		Sub-total									0					
10	KATNI	2009-10	23885	20000	20000	7946.18	2401.2	10702.3	483.3	527.12	8282.74	20000	1096	5638	0	0
		2010-11									0					
		2011-12									0					
		Sub-total									0					
11	UJJAIN	2009-10	23712	22527	22527	14869.3	3458.2	15575.4	0	644.45	6125.2	22527	3017	28504	0	0
		2010-11									0					
		2011-12									0					
		Sub-total									0					
12	CHHINDWARA	2009-10	20062	19500	19500	7428.94	1560.4	10219.5	1457.11	4028.93	2893.87	19500	111	2597	2	19500
		2010-11									0					
		2011-12									0					
		Sub-total									0					

S. No.	District	Year	Total area available for treatment	Total area proposed to take up under IWMP in the next 3 years	Terrain of the proposed area	Land use type of proposed area		Ownership pattern of the proposed area					No. of beneficiaries covered		Identified DPAP/ DDP Blocks covered	
					Others	cultivated rainfed area	Uncultivated Wasteland	Private	Community	Forest	Others (pl. specify)	Total area	Landless	Total	DPAP	
															No. of blocks	Area
13	SAGAR	2009-10	24141	20963	20963	10709.67	1852.7	12827.6	641.62	2727.17	4391.59	20963	1162	6738	0	0
		2010-11									0					
		2011-12									0					
		Sub-total									0					
14	MANDSAUR	2009-10	20359	20084	20084	7892	7247	10370.5	212	0	9501.5	20084	5255	9248	0	0
		2010-11									0					
		2011-12									0					
		Sub-total									0					
15	KHARGONE	2009-10	22547	21000	21000	8118	543	9263.75	867	11953	1353	21000				
		2010-11									0					
		2011-12									0					
		Sub-total									0					
16	ALIRAJPUR	2009-10	22946	20504	20504	8034.62	2771.67	16733.1	999.45	292.54	7868.64	20504			1	20504
		2010-11									0					
		2011-12									0					
		Sub-total									0					
17	JHABUA	2009-10	22784	20002	20002	13970.94	458.92	15250.3	352.91	883.29	3515.49	20002	168	4200	3	20002
		2010-11									0					
		2011-12									0					
		Sub-total									0					
18	DHAR	2009-10	25076	23200	23200	7821.2	118	16814.3	278	6981	325.75	23200	581	2175	3	18200
		2010-11									0					
		2011-12									0					
		Sub-total									0					

S. No.	District	Year	Total area available for treatment	Total area proposed to take up under IWMP in the next 3 years	Terrain of the proposed area	Land use type of proposed area		Ownership pattern of the proposed area					No. of beneficiaries covered		Identified DPAP/ DDP Blocks covered	
					Others	cultivated rainfed area	Uncultivated Wasteland	Private	Community	Forest	Others (pl. specify)	Total area	Landless	Total	DPAP	
															No. of blocks	Area
19	BARWANI	2009-10	20074.13	17302.16	17302.16	8402.36	3661.97	10134	898.91	710	5559.17	17302.16	4248	19831	3	17302.16
		2010-11									0					
		2011-12									0					
		Sub-total									0					
20	NEEMUCH	2009-10	23263	20807	20807	8025.46	976	11076	816	3826	5248	20807	1220	9804	0	0
		2010-11									0					
		2011-12									0					
		Sub-total									0					
21	GUNA	2009-10	23087	20000	20000	8572	689	10939.5	71	7534	1455.5	20000			2	20000
		2010-11									0					
		2011-12									0					
		Sub-total									0					
22	NARSINGHPUR	2009-10	25989	20791	20791	4543	5305	7116.5	647	2464	10562.5	20791	59	1849	0	0
		2010-11									0					
		2011-12									0					
		Sub-total									0					
23	JABALPUR	2009-10	26862	25725	25725	11272	7285	13632.8	0	1372	10479.3	25725	810	7751	1	14380
		2010-11									0					
		2011-12									0					
		Sub-total									0					
24	RATLAM	2009-10	29402.82	25227.82	25227.82	11069.61	9571	13060.6	634.18	3323.51	10043.5	25227.82	1454	11766	1	9154.18
		2010-11									0					
		2011-12									0					
		Sub-total									0					



### **C) Convergence of IWMP with other scheme**

In the area sanctioned under IWMP for Watershed Management Programme, convergence with other schemes is planned as given below :-

- Individual beneficiary oriented activities like farm pond, horticultural plantation, field bunding may be taken up for eligible beneficiaries under NREGS.
- Resources available under SGSY and the scheme of Women and Child Welfare Department will also be used for livelihood support activities under IWMP.
- All the Gram Panchayats will be converted into Nirmal Gram Panchayat.
- Resources of RKVY of Agriculture Department may also be converged with IWMP.

### **D) Public Private Partnership**

The RGMWM is implementing Watershed Development Projects either directly through government department or through NGOs. Considering the choice of work available under Watershed Management Programme and realising its potential, the RGMWM is planning to broaden the scope of its implementation by involving Corporate/Industrial/Business Sector, their companies/organisations/foundations under their Corporate Social Responsibility (CSR) initiative. Under the proposed partnership CSR initiatives shall be expected to add value towards watershed plus approach through administrative, managerial, technical, financial, trading and other kind of support/assistance. The proposed partnership between Government and private sector for Watershed Management Programme would incorporate following objectives :-

- to develop and demonstrate replicable Public Private Partnership (PPP) models for innovative and synergistic watershed planning, implementation, management and monitoring
- value addition to the Watershed Development Projects for sustainable livelihoods and economic benefits by enhancing agro-biomass production, implementation of income generation activities/micro enterprises, providing backward and forward market linkages and micro-finance solutions etc.
- to involve the private sector in Watershed Development Projects and its various components as key stakeholder.

- skill upgradation, empowerment and strengthening of managerial, technical and financial capacity of village community/village institutions for planning, implementation and monitoring of Watershed Development Projects including management and maintenance of created assets
- effective and result oriented utilisation of available funds and to develop efficient physical and financial monitoring system.

## 7.1 Planning Process - Details of Scientific criteria/Inputs used in Planning

Scientific criteria/ inputs used	Description
<b>(A) Planning</b>	
<b>Cluster approach</b>	Clusters of Micro Watershed have been selected
<b>Whether technical back-stopping for the project has been arranged? If yes, mention the name of the Institute.</b>	<ul style="list-style-type: none"> <li>• Yes.</li> <li>• Water and Land Management Institute, Bhopal</li> </ul>
<b>Baseline survey</b>	Baseline survey will be done in the beginning of DPR preparation
<b>Hydro-geological survey</b>	Analysis of hydrogeological survey carried out by Ground Water Survey Wing will be utilised
<b>Contour mapping</b>	Contour mapping will be done
<b>Participatory Net Planning (PNP)</b>	PNP will also be done
<b>Remote sensing data-especially soil/ crop/ run-off cover</b>	Remote sensing data and output will be collected from Remote Sensing Application Centre, MPCAST, Bhopal
<b>Ridge to Valley treatment</b>	Implementation of plan will be done from ridge to valley
<b>Online IT connectivity between</b>	
<b>(1) Project and DRDA cell/ZP</b>	Already available
<b>(2) DRDA and SLNA</b>	Already available
<b>(3) SLNA and DoLR</b>	Already available

Scientific criteria/ inputs used	Description
<b>Availability of GIS layers</b>	
1. Cadastral map	Some of these layers are already available. Remaining layers will be prepared using primary and secondary data.
2. Village boundaries	
3. Drainage	
4. Soil (Soil nutrient status)	
5. Land use	
6. Ground water status	
7. Watershed boundaries	
8. Activity	GIS database will be generated for activities included in DPR
Crop simulation models <sup>#</sup>	
Integrated coupled analyzer/ near infrared visible spectroscopy/ medium spectroscopy for high speed soil nutrient analysis	
Normalized difference vegetation index (NDVI) <sup>#</sup>	
Weather Stations	
(B) Inputs	
1. Bio-pesticides	Will be used as per location specific condition
2. Organic manures	
3. Vermicompost	
4. Bio-fertilizer	
5. Water saving devices	
6. Mechanized tools/ implements	
7. Bio-fencing	
8. Nutrient budgeting	
9. Automatic water level recorders & sediment samplers	
Any other (please specify)	