

National Watershed Development Project for Rainfed Areas (NWDPR)

INTRODUCTION

Rainfed areas constitute about 60% of the total 142 million hectares cultivated in the country. Rainfed agriculture is characterised by low levels of productivity and low input usage. Variability in rainfall results in wide variation and instability in yields. The bulk of the rural poor live in the rainfed regions. Therefore, Government of India accords highest priority to the holistic and sustainable development of rainfed areas through watershed development approach.

The scheme of National Watershed Development Project for Rainfed Areas (NWDPR) was launched in 1990-91 in 25 States and 2 Union Territories based on twin concepts of integrated watershed management and sustainable farming systems. During IX Plan, the scheme was extended in 28 States including 3 newly formed States of Uttaranchal, Jharkhand and Chhattisgarh. The scheme of NWDPR has been subsumed with "Scheme for Macro Management of Agriculture-Supplementation/Complementation of the States efforts through Work Plans from 2000-2001. At present, this scheme is being implemented as a programme of Centrally Sponsored Scheme of Macro Management of Agriculture in 28 States and 2 UTs.

OBJECTIVES

The main objective of the scheme are as under :-

- *conservation, development and sustainable management of natural resources including various use*
- *enhancement of agricultural production and productivity in a sustainable manner,*
- *restoration of ecological balance in the degraded and fragile rainfed ecosystems by greening these areas through appropriate mix of trees, shrubs and grasses,*
- *reduction in regional disparity between irrigated and rainfed areas and*
- *creation of sustained employment opportunities for the rural community including the landless.*

FINANCING PATTERN

Financing pattern of NWDPR programme is applicable as per the financing pattern of MMA i.e. 90:10 of Central & State Govt. On 80% grant and 20% loan to the States. For North Eastern States it is 100% grant.

MAIN COMPONENT OF THE NWDPR

The main components includes :-

- Treatment of arable and non-arable lands through various soil and watershed activities
- Treatment of drainage lines
- Production system in arable and non-arable lands
- Livelihood Support.

PROGRESS OF NWDPR

Planwise area developed and expenditure made under NWDPR programme are as under :

Area in lakh ha., Expenditure in Rs. crore

Sr. No.	Plan period	No. of Micro Watersheds	Area developed	Expenditure
1.	VIII	2554	42.232	966.93
2.	IX	3007	27.663	910.81
3.	X	6315	24.133	1156.92
	Total up to X Plan	11876	94.028	3034.66
4.	XI	5350		
	2007-08		3.30	192.54
	2008-09(end of II Quarter))		0.85	53.08

The details of State wise and Plan wise achievements under the programme is given at Aneexure.

MAJOR ACHIEVEMENTS

Impact evaluation studies both on the ground and through remote sensing techniques have shown that watershed based interventions have led to:

- *increase in groundwater recharge,*
- *increase in number of wells and water bodies,*
- *enhancement of cropping intensity,*
- *changes in cropping pattern,*
- *higher yields of crops and reduction in soil losses.*

Detailed Plan wise progress of NWDPRAScheme

Phy.in ha.

Fin. in lakhs

S.no	State	VIII Plan			IX Plan			X Plan			Cumulative Progress		
		No of water-sheds	Area developed	Expenditure	No. of water-sheds	Area developed	Expenditure	No.wate r-sheds	Area developed	Expenditure	No. of Water-sheds	Total area developed	Total expenditure
1	Andhra Pradesh	94	176939	5115.78	150	118433	2695.20	143	62352	2532.80	387	357724	10343.77
2	Arunachal Pradesh	3	1970	100.42	21	3423	166.57	45	22488	1349.32	69	27881	1616.32
3	Assam	110	70221	1582.36	193	17597	515.82	50	25562	1297.32	353	113559	3395.50
4	Bihar	191	23189	581.48	18	10905	282.24	74	29784	1340.28	283	63878	2204.00
5	Jharkhand				175	0	49.32	200	107360	4943.06	335	109460	5019.68
6	Goa	4	2100	26.50	8	4120	109.58	27	14226	884.65	203	310925	6551.60
7	Gujarat	168	292579	5557.93	164	249968	5961.63	409	119677	5468.69	578	389917	11921.38
8	Haryana	5	20272	491.06	8	23052	530.17	37	14219	728.75	103	71580	2316.65
9	Himachal Pradesh	58	34309	1057.73	61	21629	1071.72	37	16866	1108.86	142	52538	2590.51
10	Jammu & Kashmir	44	14044	409.93	44	4044	73.05	111	4873	327.83	240	494026	10540.35
11	Karnataka	85	485109	10139.48	142	281621	9369.14	568	145480	9513.02	857	515377	21874.54
12	Kerala	114	88276	2992.38	115	70478	2569.24	148	49365	2973.01	675	780045	18484.43
13	Madhya Pradesh	385	660202	12942.17	281	334350	8270.70	594	209822	6668.83	975	1424058	31457.64
14	Chattisgarh				131	40022	1399.89	185	117120	5639.16	471	165824	7387.95
15	Maharashtra	266	879886	16518.11	271	281256	8940.00	433	155223	7483.08	712	439356	16557.11
16	Manipur	5	8682	348.90	21	15838	820.00	79	39500	2154.47	120	73536	3802.75
17	Mizoram	20	18198	828.40	36	44475	2236.00	105	54072	3461.94	165	112921	6334.84
18	Meghalaya	8	2877	134.03	32	15460	814.53	78	37730	2263.70	372	350190	9924.18
19	Nagaland	28	14510	636.90	81	39142	2255.00	100	33131	2823.50	194	90308	5545.70
20	Orissa	258	297000	6845.95	329	81504	2924.21	212	122061	5401.25	745	752396	22952.89
21	Punjab	13	18035	467.20	4	4531	206.60	49	24761	1397.56	65	36918	1966.85
22	Rajasthan	204	547931	14627.43	193	483578	17873.62	1138	404615	18656.70	1419	1060850	40243.59
23	Sikkim	12	7626	362.69	24	18794	895.89	32	14808	960.18	73	41296	2103.43
24	Tamil Nadu	88	172657	3848.67	84	226645	7392.36	755	238889	10749.99	1025	769217	26944.79
25	Tripura	17	7694	247.36	46	29736	1276.49	62	25260	1514.62	124	54996	2791.11
26	Uttar Pradesh	202	303683	8802.44	127	241927	9011.62	400	198620	7012.89	692	513983	17966.30
27	Uttarakhand				73	30904	1196.03	158	90584	5426.54	234	121572	6625.17
28	West Bengal	165	73436	1941.79	165	70116	2025.68	78	32175	1447.92	243	102291	3473.60
29	D&N Haveli	3	84	2.60	3	0	0.57	0	0	0.00	7	1735	84.09
30	A & N Islands	4	1735	83.52	7	2814	147.78	8	2710	162.54	15	4466	310.32
		2554	4223244	96693.22	3007	2766362	91080.63	6315	2413333	115692.46	11876	9402823	303332.02