



PRESENTATION ON INTEGRATED WATERSHED MANAGEMENT PROGRAMME

(INCLUDING IWDP, DPAP & DDP)

Watershed Development

- **DEFINITION**
- WATERSHED IS A GEO-HYDROLOGICAL UNIT, WHICH DRAINS INTO COMMON POINT.
- **APPROACH**
- PROJECT BASED RIDGE TO VALLEY APPROACH FOR IN SITU SOIL AND WATER CONSERVATION, AFFORESTATION ETC.

WATERSHED DEVELOPMENT PROGRAMMES IN THE STATE

- INTEGRATED WASTELANDS DEVELOPMENT PROGRAMME (IWDP)
- DROUGHT PRONE AREA PROGRAMME(DPAP)
- DESERT DEVELOPMENT PROGRAMME (DDP)

DISTRICT WISE DETAIL OF PROGRAMMES

- **IWDP:**
Chamba, Hamirpur, Kangra, Kullu, Mandi, Shimla, Sirmaur, 4 blocks of district Solan (Nalagarh, Solan, Kandaghat & Dharampur), 2 blocks of district Kinnaur (Kalpa & Nichar).
- **DPAP:**
Bilaspur, Una and 2 blocks of District Solan (Kunihar & Dharampur)
- **DDP:**
Lahual Spiti & Pooch Division of district Kinnaur.

Objectives

1. Ensuring over all development of Rural Areas.
2. Rainwater Harvesting.
3. Employment generation, poverty alleviation, community empowerment and development of human and other economic resources in rural areas.
4. Mitigating adverse effects of extreme climatic conditions.
5. Development of natural resources.

ACTIVITIES

- **Soil Conservation:** Vegetative barriers, Crate works, gully plugging, retaining/protection walls, Nalla bunds etc.
- **Water Conservation:-** Check Dams, ponds, roof top rainwater harvesting structures, Percolation tanks/tanks, Construction of kuhals etc.
- **Afforestation:-** Plantation of forest/ horticulture plants etc.
- **Pasture Development:** Plantation of fodder plants/improved grasses etc.

Achievements Up to Sept.2009

A. FINANCIAL (Rs. in Crore)

Programme	Project/ M. watersheds	Project cost	Funds Released	Expenditure
IWDP	67 Proj. (873 M. Watersheds)	254.12	195.96`	174.00
DPAP	412 M. watersheds	116.50	76.97	62.83
DDP	552 M. watersheds	159.20	83.73	78.82
Total	67 Projects (1837 M. Watersheds)	529.82	356.66	315.65

B. Physical (Area in hectare)

Programme	Targeted area.	Area Treated.	Percentage
IWDP	452311	309864	69
DPAP	205833	112788	55
DDP	206242	78926	38
Total	864386	501578	58

District wise Achievements up to Sept .2009

Financial (Rs. in Crore)

IWDP

District	No. of Projects	No. of M. watersheds	Project Cost.	Funds released	Expenditure
Chamba	6	57	28.18	20.62	22.30
Hamirpur	8	161	34.20	31.71	28.97
Kangra	18	233	51.26	35.91	29.17
Kinnaur	3	43	12.22	10.97	9.50
Kullu	5	66	20.63	17.44	16.60
Mandi	7	86	25.70	14.26	10.50
Shimla	9	96	34.71	21.86	16.97
Sirmour	6	59	25.38	22.10	20.63
Solan	5	72	21.85	21.09	19.36
Total	67	873	254.12	195.96	174.00

DPAP

(Rs. in Core)

District	No. of batches	No. of M. watersheds	Project Cost.	Funds released	Expenditure
Bilaspur	9	133	37.00	25.06	22.61
Solan	9	85	23.60	16.60	13.70
Una	8	194	55.90	35.31	26.52
Total	26	412	116.50	76.97	62.83

DDP

(Rs. in Crore)

District	No. of batches	No. of M. watersheds	Project Cost.	Funds released.	Expenditure
Kinnaur (Pooh)	7	201	58.70	32.52	31.40
Lahual & Spiti	9	351	100.50	51.22	47.42
Total	16	552	159.20	83.74	78.82

District wise Physical achievements

IWDP (Area in Ha.)

District	No. of Projects	No. of M. watersheds	Targeted area	Area treated
Chamba	6	57	54286	40782
Hamirpur	8	161	60650	50581
Kangra	18	233	86896	48093
Kinnaur	3	43	23287	17689
Kullu	5	66	34377	29232
Mandi	7	86	47078	17345
Shimla	9	96	60306	30938
Sirmour	6	59	46490	39120
Solan	5	72	38941	36085
Total	67	873	452311	309865

DPAP (Area in hectare)

District	No. of Projects	No. of M. watersheds	Targeted area	Area treated
Bilaspur	9	133	66461	39746
Solan	9	85	42548	25572
Una	8	194	96824	47470
Total		412	205833	112788

DDP (Area in hectare)

District	No. of Projects	No. of M. watersheds	Targeted area	Area treated
Kinnaur (Pooh)	7	201	35624	15966
Lahual & Spiti	9	351	170618	62314
Total		572	206242	78199

Weak Areas

- The pace of progress is below desired level under all the projects.
- The activities carried out in watershed areas are not linked to livelihood.
- The impact of watershed development programme is not visible due to creation of Katcha structures particularly under soil moisture component.
- Huge funds are lying unspent with the DRDA/PIA.

Slow Pace of Progress /delay in submission of proposals (IWDP)

Project	Year	Instit. Due	Instit. claimed	Date of last Installment	Status of proposal
Chamba-II (Bharmour)	1998-99	7	6	4/2008	Not sent
Chamba-IV (Bhatyat)	2001-02	7	4	6/2007	Sent/ observation
Chamba-V (Pangi)	2001-02	7	4	3/008	Not sent
Kangra-III (Fatehpur)	2000-01	7	5	12/007	Not sent
Kangra-IV (N.Bagwan)	2001-02	7	6	1/2009	Not sent

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Project	Year	Instit. Due	Instit. claimed	Date of last Instit.	Status of proposal
Kinnaur-III (Nihar , Kalpa)	2004-05	5	3	2/2009	Not sent
Mandi-II (Sadar, Balh)	2001-02	7	4	7/2007	Sent/ Observation
Mandi-III (Chauntra, Darang)	2001-02	7	5	12/008	Not sent
Mandi –IV (Gopalpur, Dharampur)	2003-04	5	3	4/2008	Not sent
Shimla-II (RAMPUR & Chopal)	2000-01	7	6	12/008	Not sent
Shimla-III (Jubbal & Rohru)	2003-04	5	2	7/2007	Not sent
ShimlaIV(Chohara)	2004-05	5	3	12/008	Not sent

DPAP

Project	Year	Instt. Due	Instt. claimed	Date of last Instt.	Status of proposal
Bilaspur -6 th Batch (All blocks)	2000-01	7	5	12/2008	Not sent
Bilsp-7 th batch (All blocks)	2001-02	7	4	12/2007	Sent
Bilsp-8 th batch (All blocks)	2002-03	7	5	10/2008	Not sent
Bilaspur H/1 st (All blocks)	2003-04	5	3	12/2007	-do-
Bilaspur H/ 2 nd (All blocks)	2004-05	5	2	11/2007	Sent
Bilaspur H/ 3 rd (All blocks)	2005-06	4	2	9/2007	Not sent
Bilaspur H/4 th (All blocks)	2006-07	3	2	12/2008	-do-

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Project	Year	Instt. Due	Instt. claimed	Date of last Instt.	Status of proposal
Solan -6 th Batch (Dharampur & Kunihar)	2000-01	7	5	3/2008	Sent
Solan -7 th Batch (Dharampur & Kunihar)	2001-02	7	6	12/2008	Not sent
Solan -8 th Batch (Dharampur & Kunihar)	2002-03	7	5	12/2008	Not sent
Solan H/1st Batch (Dharampur & Kunihar)	2003-04	5	3	3/2008	Sent
Solan H/2nd Batch (Dharampur & Kunihar)	2004-05	5	2	10/2008	Not sent
Solan H/3rdBatch (Dharampur & Kunihar)	2005-06	4	2	11/2008	Not sent
Solan H/4thBatch (Dharampur & Kunihar)	2006-07	3	2	11/2008	Not sent

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Project	Year	Instt. Due	Instt. claimed	Date of last Instt.	Status of proposal
Una -6 th Batch (All blocks)	2000-01	7	5	11/2008	Not sent
Una -7 th Batch (All blocks)	2001-02	7	4	11/2008	Not sent
Una -8 th Batch (All blocks)	2002-03	7	4	3/2009	Not sent
Una -H/1 st Batch (All blocks)	2003-04	5	3	4/2009	Not sent
Una H/2 nd Batch (All blocks)	2004-05	5	2	8/2008	Not sent
Una H/3 rd Batch (All blocks)	2005-06	5	2	2/2008	Not sent
Una H/4 th Batch (All blocks)	2006-07	5	2	4/2009	Not sent

DDP

Project	Year	Instt. Due	Instt. claimed	Date of last Instt.	Status of proposal
Pooh-6 th Batch	2000-01	7	6	3/2008	Not sent
Pooh -7 th Batch	2001-02	7	4	10/2008	Sent
Pooh -8 th Batch	2002-03	7	3	11/2007	Not sent
Pooh-H/1 st Batch	2003-04	5	1	7/2003	Not sent
Pooh H/2 nd Batch	2004-05	5	2	11/2008	Not sent
Pooh H/3 rd Batch	2005-06	4	1	8/2005	Not sent
Pooh H/4 th Batch	2006-07	3	1	9/2006	Not sent

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Project	Year	Instt. Due	Instt. claimed	Date of last Instt.	Status of proposal
L& Spiti 5 th batch	1999-00	7	6	11/2008	Not sent
L& Spiti 6 th batch	2000-01	7	5	8/2008	Not sent
L& Spiti 7 th batch	2001-02	7	4	10/2008	Not sent
L& Spiti 8 th batch	2002-03	7	3	10/2008	Not sent
L& Spiti H/1 st	2003-04	5	1	7/2003	Not sent
L&Spiti H/2 nd Batch	2004-05	5	1	11/2004	Sent
L& Spiti H/3 rd Batch	2005-06	4	1	8/2005	Sent
L& Spiti H/4 th Batch	2006-07	3	1	9/2006	Not sent

New Common Guidelines for Watershed Development Projects

- These guidelines are applicable w.e.f. 1.4.2008 to all the watershed projects in all Departments concern with Watershed Development Programme.
- The objective of new Common Guidelines is to improve the rural livelihood through participatory watershed development.
- The watershed approach has been accepted as major theme for development of rainfed areas with a view to conserve natural resources of water, soil and forests by mobilizing social capital.

Key Features

- Delegation of powers to State to sanction and over see the watershed projects.
- Dedicated institutions at State and District level with multi-disciplinary professional.
- Additional financial assistance would be provided to State and District level institutions.
- The project duration will be of 4 to 7 years.
- The projects will be implemented in three phases such as preparatory phase, work phase and consolidated phase.
- Productivity and livelihoods enhancement is given priority along with conservation measures.
- As per new approach, average size of Watershed Project would be 1000 to 5000 Hect.
- Ridge to valley approach will be followed.

Guiding Principles

- Equity and Gender Sensitivity

- a) The livelihood opportunities for the poor will be enhanced through investment in their assets and improvements in productivity and income.
- b) Improving access of the poor especially women to the benefits.
- c) Enhancing role of women in decision making process.
- d) Usufruct rights from the common property resources to the resource poor.

Decentralization

1. Establishing suitable institutional arrangements within the frame work of the Panchayati Raj Institutions.
2. Empowered Committees, Administrative supports and timely release of funds.

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- **Facilitating Agencies:** Financial support to organization for social mobilization, community organization, capacity building etc.
- **Centrality of community participation:** Community organization would be closely associated with and accountable to Gram Sabha in project activities
- **Monitoring Evaluation and Learning:** A participatory, outcome and impact oriented and user focused monitoring, evaluation and learning system would be put in place to obtain feedback and undertake improvements in planning, project design and implementation.
- **Organizational restructuring:** Establishing appropriate technical and professional supports structure at State, District and Project level and developing effective functional partnerships among project authority, implementing agency and support organization would play vital roles.

Financial Provisions

- The revised cost norms for new projects are Rs. 15000/- per Hectare.

Budget component	% of budget
-Administrative cost	10
- Monitoring	1
- Evaluation	1
Preparatory phase:	
-Entry point activities	4
-Institution and Capacity building	5
--Detailed Project Report	1
Watershed Work Phase:	
-Development Works	50
-Livelihood activities.	10
-Production System and Micro Enterprises	13
Consolidation phase	5
Total:	100

Perspective and Strategic Plan

- With the approval of SLNA, the Draft Perspective and Strategic Plan for the state has been prepared and pose to the Government of India during March 2009.
- In the Perspective and Strategic Plan an area of 3112472 ha. in all the Districts of the State has been proposed.
- An amount of 4668.71 Crore has been proposed as total cost (@ Rs.15000/ per ha.) for development of indicated area.

Projects Sanctioned as per New Guidelines.

(area in hectare and Rs. in Crore)

DISTRICT	BLOCK	AREA	COST
Bilaspur	Sadar	4361	6.54
-do-	Jhandutta	2331	3.50
-do-	Ghumarwin	1462	2.19
Sub Total	-	8154	12.23
Chamba	Mehla	20162 (3 projects)	30.24
Hamirpur	Bamson	2800	4.20
Kangra	Dehra	10991 (2 projects)	16.49
Kinnaur	Pooh	3500	5.25
-do-	Nichar	3000	4.50
-do-	Kalpa	3500	5.25
Kullu	Naggar	5983	8.97
Mandi	Seeraj	8046	12.07
Shimla	Theog	10543 (2 projects)	15.81
Sirmour	Nahan	7513	11.27
Una	Bangana	7693	11.54
Total		91885 ha	137.82

Detail of Additional Projects approved in principle

(area in hectare and Rs. in Crore)

DISTRICT	BLOCK	AREA	COST
Kangra	Dehra	15866 (3 Proj.)	23.799
Hamirpur	Bijhrin	5000	7.50
Mandi	Karsog	9419	14.128
-do-	Dharampur	8486	12.729
-do-	Sunder Nagar	6685	10.027
Sub Total Mandi	-	24590	36.884
Lahaul Spiti	Kaza	5000	7.50
-do-	Keylong	5000	7.50
Sub Total	-	10000	15.00
Shimla	Theog	24347 (5 Proj.)	36.521
Sirmour	Ponta Sahib	6036	9.054
Solan	Nalagarh	26108	39.162
Total	-	111947	167.92

Status of funds received from GOI & Further Implementation Arrangements

- 1st Installment of funds (6%) amounting to Rs. 7.44 Crore has been received from GOI.
- An amount of Rs.220.25 Lakh (Rs.91.25 Lakh for SLNA and Rs. 129.00 Lakh for Watershed Cell cum Data Centre in the DRDA/ ZP) has been received.
- The process for approval of agencies for DPR is in the final Stage.
- The information about EPA is awaited from the DRDA's

THANK YOU