

World Bank Funded

# Uttarakhand Decentralized Watershed Development Project- II (GRAMYA)



(IDA Credit – 5369 IN)



## UPDATED STATUS

APRIL 2016

Watershed Management Directorate, Uttarakhand  
Dehradun

wmd-ua@nic.in <http://wmduk.gov.in>

# I N D E X

Description	Page No.
<b>Progress at a Glance</b>	1
<b>Status of Compliance of Aide-memoire Supervision Mission (dated 10-16 June- 2015)</b>	3
<b>Status of Compliance of Aide-memoire Supervision Mission (dated January 27<sup>th</sup> to 4<sup>th</sup> February, 2016)</b>	6
<b>Introduction</b>	7
Project Objective	7
Project Beneficiaries	8
Project Area	9
Details of Project Area	10
Project Period	11
Project Cost	11
<b>Project Components</b>	<b>11</b>
Expected Outcome Indicators	13
Monitoring in the Project	14
Audit Arrangements in the Project	14
<b>Legal Covenants</b>	14
<b>Safeguard Policies</b>	15
<b>Statutory Committees</b>	15
<b>Project Preparation- Key dates</b>	16
<b>Project Manuals</b>	16

<b>Description</b>	<b>Page No.</b>
<b>Project Disbursement Profile</b>	<b>: 16</b>
<b>Project Highlights</b>	<b>: 17</b>
<b>Physical Progress</b>	<b>: 19</b>
<b>Financial Progress</b>	<b>: 27</b>
<b>Updated status of Reimbursement</b>	<b>: 27</b>
<b>Status of Audit in Project</b>	<b>: 28</b>
<b>Proposed Annual Plan 2016-17</b>	<b>: 30</b>
<b>Annexure - 1 : Status of Key Technical Staff in field</b>	<b>: 34</b>
<b>Annexure - 2 : Tracking of Result Indicators</b>	<b>: 35</b>
<b>Annexure – 3 : Technical Recommendations</b>	<b>: 37</b>
<b>Annexure - 4 : List of Gram Panchayats</b>	<b>: 40</b>

**WORLD BANK FUNDED  
UTTARAKHAND DECENTRALISED WATERSHED DEVELOPMENT PROJECT (UDWDP)  
PHASE-II (IDA CREDIT NO. 5369-IN)**

**PROGRESS AT A GLANCE**

<b>PROJECT AREA:</b>	82 MWS (263837 Ha.)
<b>DISTRICTS:</b>	Uttarkashi, Dehradun, Tehri, Pauri, Rudraprayag, Almora, Pithoragarh, Bageshwar
<b>PROJECT PERIOD:</b>	2014 to 2021 (Effective from 15 July 2014)
<b>DEVELOPMENT BLOCK:</b>	18
<b>GRAM PANCHAYAT:</b>	509

<b>FINANCIAL PROGRESS (Rs in Crore):</b>	<b>TOTAL</b>	<b>IDA</b>	<b>Beneficiary contribution</b>	<b>State contribution</b>
Project cost:	1020	727	18	275
Cumulative Expenditure upto March 2016	108.44	56.19	3.48	48.77
Financial target for FY 2016-17	168.80	111.78	8.03	48.99
<b>Reimbursed upto March, 2016</b>	<b>Rs. 26.55 Crore</b>			
<b>PHYSICAL PROGRESS FY 2015-16</b>				
	<b>TARGET</b>	<b>Progress during the year</b>	<b>Cumulative progress upto 31<sup>st</sup> March, 2016</b>	
Preparation of GPWDP	LS	325	381	
Watershed treatment- sub projects (Implementation of GPWDP)	LS	191	204	
Demonstration of water conservation through Pond Construction along with peripheral activities	LS	17	68	
Demonstration of high yielding Agriculture / Vegetable crop (0.2 ha.)	3075	5023	7237	
Polytunnel and Poly house (No.)	1150	1429	2069	
Orchard Development (Ha.)	202	337	388	
Seed and Seedlings (High value crop demonstration)	195	352	495	
NBC (No.)	47	41	41	
Animal Shelter (No.)	482	339	661	

IGA activities (no. of beneficiaries)	1080	346	372		
IGA activities (individual beneficiaries)	138	57	61		
Training and Exposure Visits (Groups)	66	56	154		
Staff Training (No.)	LS	524	1106		
<b>STAFF POSITION</b>					
	<b>Group A</b>	<b>Group B</b>	<b>Group C</b>	<b>Group D</b>	<b>Total</b>
Sanction post	16	30	281	67	394
Placed staff	13	06	170	67	256
Vacant post	03	24	111	00	138

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#### **HIRING OF PNGO/FNGO**

#### **STATUS**

PNGO Rudrapragya

Asian Society for Entrepreneurship Education and Development, New Delhi

PNGO Uttarkashi

Asian Society for Entrepreneurship Education and Development, New Delhi

FNGO Kumaon

Himalayan Study Circle for Environment , Child education health and research

FNGO Garhwal

Society of People for Development (SPD) Dehradun

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#### **CONSULTANCIES**

#### **STATUS**

M&E Consultancies:

Procurement in final stage (State Government approval is awaited)

Hydrology Consultancies:

Procurement in final stage (State Government approval is awaited)

Agri Business Support Organisation:

Procurement in process

Agri Business, Hydrology and Agronomy Consultants :

TORs approved by the World Bank REOI yet to be published

# **Status of Compliance of Aide-memoire of Supervision Mission**

## **Dated - June 10-16, 2015**

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### **Status as on 1<sup>st</sup> January, 2016**

The mission held meetings at Dehradun and made three field trips to areas in Tehri Division- (Gram Panchayats Auntan and Dwargarh) and Dehradun Division- (Gram Panchayat Lakhmandal), where discussions were held with Gram Panchayat officials, project facilitators and motivators and project beneficiaries.

### **THE TEAM:**

Edward Bresnyan (TTL); Helen Leitch (Livestock Specialist); Jacqueline Julian (Operations Analyst); Alok Pattanaik (Civil Engineer); Jurminla Jurminla (Procurement Specialist); S. Krishnamurthy (Senior FM Specialist); Mridula Singh (Social Specialist); Miki Terasawa (Social Specialist); Sharlene Chichgar (Environmental Specialist).

### **Agreed actions and compliance Status of Second Implementation Support and Review Mission, Dated: June 10-16, 2015**

#### **1. Project Staffing-**

The Project deployed through outsourcing the field level key technical staff and data entry operators at unit level after receiving formal approval from World Bank and Govt. of Uttarakhand. At present, at field level almost 80% technical staff have been deployed which includes regular and contractual staff from outsourcing agencies.

#### **2. Budget for FY 2015-16 -**

For GoI FY 2015-16 the Annual Work Plan of total Rs. 96.50 crore (net of beneficiary) has been approved by State Steering Committee held on 25<sup>th</sup> August, 2015. The state government has allocated budget of Rs. 96.81 crores out of which an amount of Rs. 65.8871 crore has been released so far. The revised budget for FY 2015-16 is kept as Rs. 87.23 crores on the basis of the estimated expenditure received from DDOs. The proposed Annual Plan for FY 2016-17 is kept as Rs. 168.79 crores with IDA share of as Rs. 111.77 crores (about 17.2 million US\$).

## **ACTION TAKEN ON OTHER IMPORTANT ISSUES AS SUGGESTED IN AIDE-MEMOIRE:**

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1. The ToR for ABSO services for all the six divisions have been submitted to the World Bank and the same has been approved. The procurement process is on.
2. Technical evaluation of External Hydrological Monitoring has been finalized and approved by the Bank.
3. The combined evaluation of hiring of External Evaluation Consultancy has been completed and sent to Bank for approval.
4. The reports of internal audit for FY 2013-14 and FY 2014-15 have been sent to the Bank for review.
5. The certification audit (A.G. Audit) for FY 2013-14 and FY 2014-15 has been completed by A.G., Uttarakhand and the reports were sent to the Bank by mail dated 30<sup>th</sup> October, 2015.
6. Animal shelter- As suggested by the Livestock specialist of World Bank mission, the existing design of animal shelter is improved with the provision of ventilation and proper disposal as well as collection of manure and urine. This was circulated to the field for implementation for future constructions.
7. Ration Balancing Programme (R.B.P.) - The Project officials contacted and discussed about RBP with the Chief Executive Officer of Uttarakhand Livestock Development Board (ULDB). The CEO of ULDB informed that the Project regarding RBP is submitted to National Dairy Development Board (NDDDB) for approval. It is decided that the best practices will be demonstrated in few selected Gram Panchayats of Project area with the help of ULDB, once the NDDDB approve the Project for Uttarakhand State.
8. Mangers and feed storage- The new designed manger construction was introduced in the Gramya-I Project and it was useful and accepted by the beneficiaries. The same design is being adopted in Gramya-II Project. The low cost G.I. Sheet and cement feeding tubs were distributed in the previous EU funded Doon Valley and South Bhagirathi Project, which was not found suitable and convenient to the farmers in hilly areas. After careful and exhaustive deliberation with World Bank at the time of formation of Gramya-I, this existing design was approved which is under implementation in the Project.

9. Manure management and use- Project supports IPM, Vermi -composting and bio-compost management practices and will be implemented as the execution of GPWDP begins.
10. Chaff Cutter- Demonstration of Chaff Cutter will be introduced in the project since current financial year 2015-16 and it is already a part of AWP.
11. Solar-Power Electric Fencing to enable intensive rotational grazing to reclaim waste land - Initially the Project will ensure feasibility of the solar power electric fencing in model micro watershed with close corporation of UREDA and the farmers will be motivated to maintain the fencing. Since, it is a cost intensive work and hence Project would like to see the result of demonstration at Model Micro Watershed.
12. Soil/wasteland reclamation- The project has initiated silvi-pasture development programme in abandoned and waste land under GPWDP. Rotational grazing practices or grassland management practices will be taken-up in available large fallow land or pasture land of gram panchayat and common land during GPWDP implementation.
13. Training for small dairy processing- The Project will organise training program for small dairy processing in KVK, NDRI Karnal, Harayana for the selected farmers in February 2016.
14. Fisheries – The user groups will be encouraged for Aquaculture or fisheries development in the areas where large tanks are constructed by the project. This will be an initiative for income generation of vulnerable households and water user groups.
15. The Android based GIS linked monitoring tool is operational.



## **Status of Compliance of Aide-memoire of Supervision Mission Dated - January 27<sup>th</sup> to 4<sup>th</sup> February, 2016**

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### **Status as on 30<sup>th</sup> April, 2016**

A World Bank mission visited Uttarakhand from January 27– February 4, 2016 to review implementation progress, and provide support to the Uttarakhand Decentralized Watershed Development Project II (UDWDP-II). During the mission, detailed discussions and meetings were held with the project staff and government officials in Dehradun, and field visits were undertaken to two project divisions in Pauri and Vikash Nagar. A wrap up meeting was held on Feb 2, 2016 with Mr. Shatrughna Singh, Chief Secretary, and Government of Uttarakhand. The mission is grateful to all concerned for their cooperation and contribution in constructive discussions. This Aide Memoire summarizes the mission’s main findings and agreements reached.

### **THE TEAM:**

The mission comprised of Messrs/Mmes. Ranjan Samantaray (Task Team Leader), S Krishnamurthy (Finance), Jurminla Jurminla (Procurement), Raj Ganguly (Agri-Business Development), Leena Malhotra (Mission Management and Coordination), and Sudhirendar Sharma (Watershed, M&E

### **Key agreed Action during this Mission**

<b>Key Action</b>	<b>By When</b>	<b>Remarks</b>
Complete ABSO Service Contract	30 September, 2016	Procurement in process.
Recruitment of 3 Consultants: Precision Farming Agronomist, Agribusiness Expert, and Hydrology Specialist.	30 September, 2016	TOR approved by the World Bank and REOI yet to be published.
Complete all 509 GPWDP plans	30 June, 2016	About 400 GPWDP prepared.
Third Party monitoring Agency recruited	30 June 2016	Procurement in process. State government approval is awaited.
External Hydrological Monitoring Agency to be in place	30, June, 2016	Procurement in process. State government approval is awaited.

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UTTARAKHAND DECENTRALISED WATERSHED DEVELOPMENT PROJECT (UDWDP)  
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*The project is a World Bank funded (IDA credit) with a sequel to UDWDP Phase-I project*

## **INTRODUCTION**

Watershed is a hydrological unit of an area draining to a common outlet point. It is recognized as an ideal unit for planning and development of land, water and vegetation resource. Watershed concept has been used extensively because of importance of water balance in the study of ecosystems. Integrated watershed management covering an area from the highest point (ridge line) to the outlet is, therefore, the process of formulating, implementing and managing a course of actions involving natural and human resources in a watershed. It takes into account all the factors operating within the watershed. With time the watershed management concept has evolved into a decentralized and participatory approach with financial autonomy to the Panchayati Raj Institution (PRIs), (legal institution under 73rd amendment) thereby improving and ensuring efficient process delivery system. In watershed management the decision making regarding uses and modification of all categories of lands and water within the watershed are made in an iterative process with participation of all stakeholders in the Gram Panchayats (GPs). The repeated coming together and discussion provides opportunity to all stakeholders to balance diverse objectives for enhancement of productivity not only of individually owned resources but also of common property resources, and to consider how their cumulative actions may ensure long term sustainable use of all the natural resources. Since the last decade, it has been realized that ensuring livelihood opportunities and food security of the rural inhabitants is must for a sustainable watershed management approach, thus, focus on increasing the productivity of rainfed areas and ensuring livelihood opportunity for poorest of the poor is the mandate of the project.

## **PROJECT OBJECTIVE**

The objective of the Project is to increase the efficiency of natural resource use and productivity of rainfed agriculture by participating communities in selected microwatersheds of the State of Uttarakhand.

## **PROJECT BENEFICIARIES**

The project is expected to benefit about 55,600 households. By enhancing the natural resource base and improving sustainability, the proposed Gramya II would target 509 GPs, which are contiguous to the Gramya I-supported GPs and selected in accordance with the GoI's Common Guidelines for Watershed Development Projects. The proposed project would support Farmer Federations (FFs) formed under the Gramya- I to ensure their sustainability, scale up their agribusiness development and support the following beneficiary groups:-

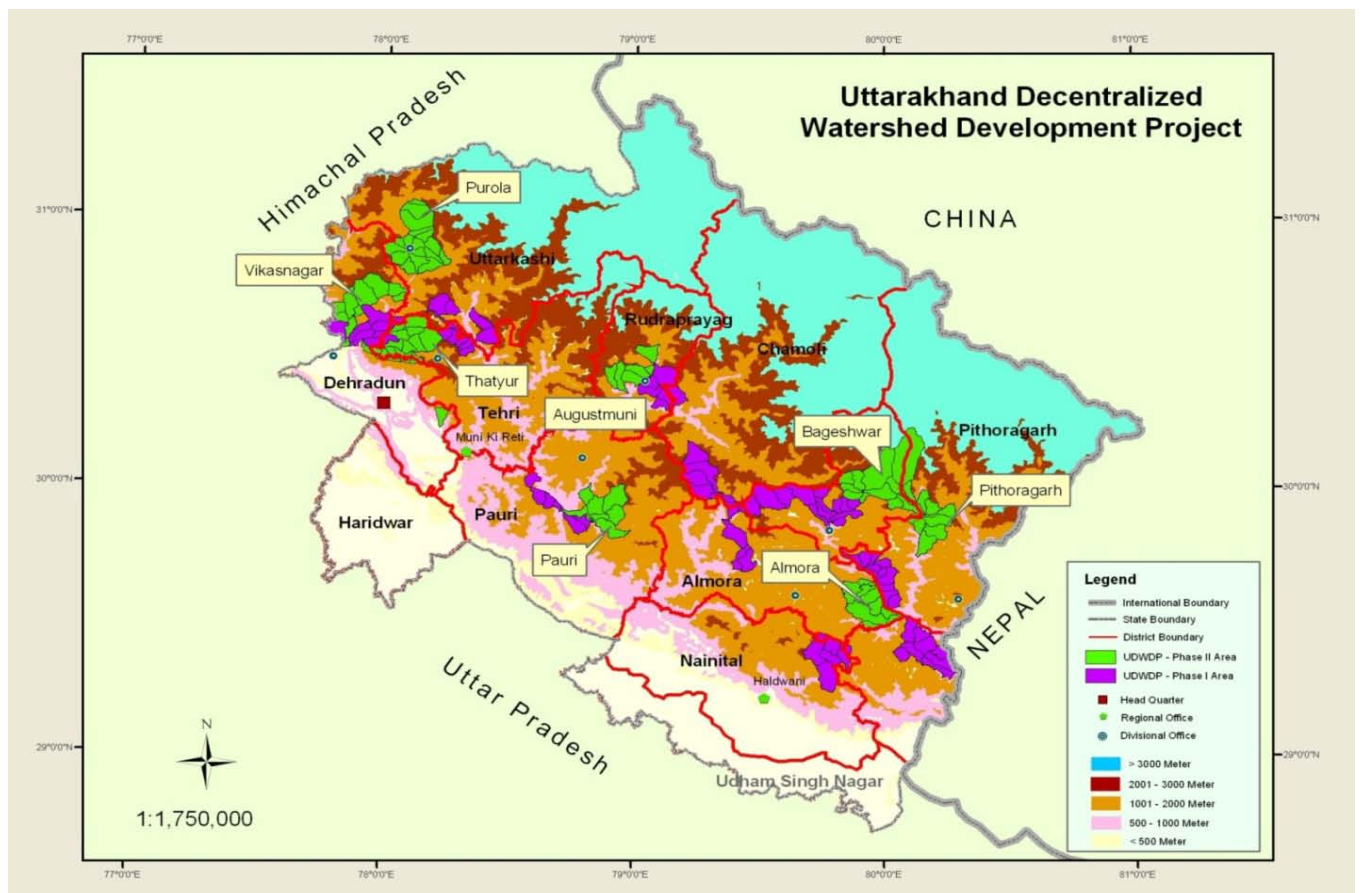
**Medium, small and marginal farmers:** would benefit from: (a) watershed treatment, in particular, rainwater conservation and water harvesting structures that would increase water availability and efficiency; (b) improved support services in agriculture, horticulture, and livestock, including rainfed agriculture development; and (c) agribusiness development and market linkages. Vulnerable groups (e.g., marginal landholders, landless, women, and transhumance): would benefit from: (a) improved livelihoods, mainly in the livestock and services sectors; and (b) support of transhumance through a dedicated Transhumant Action Plan.

**PRI institutions, such as GPs:** would gain capacity in project management and social accountability, in particular, in preparing and implementing Gram Panchayat Watershed Development Plans (GPWDPs). Gramya II would also engage Van Panchayats (VPs) in managing interventions for inter-GP areas and reserve forests. The project would also promote the formation of community-based organizations, such as water user groups, farmer interest groups (FIGs), and FFs.

**Key institutional stakeholders in watershed development:** would benefit under Gramya II through expanded knowledge outreach to Partner NGOs, Field NGOs, agribusiness support agencies, six district headquarters, regional headquarters in each of the two regions of the State of Uttarakhand and the Watershed Management Directorate (WMD).

## PROJECT AREA

Middle Himalayas adjoining the Gramya-I area in about 82 MWS covering an area of about 2.638 lakh ha. Project would re-visit the UDWDP Phase-I areas to consolidate its achievements especially with focus on agribusiness. The Project area falls in 18 development blocks of 8 hill districts of the State. Project proposes to benefit 3.18 lakh population of about 509 GPs (1066 Revenue Villages, 55,600 Households).



## DETAIL OF PROJECT AREA SELECTED FOR UDWDP - II

DISTRICT	Development Blocks	No. of MWS	Area (Ha.)	Forest (Ha.)	Agriculture (Ha.)	Blank (Ha.)	Gram Panchayat		Revenue Villages	
							No.	Area (Ha.)	No.	Area (Ha.)
Almora	Dhauladevi, Bhasiyanchana	9	28396	14987	12303	1106	85	24340.64	186	23835.00
Uttarkashi	Mori, Naugaon, Purola	17	45103	31233	9727	4143	67	10268.67	119	10012.56
Dehradun	Kalsi, Chakrata	9	29242	8778	8270	12194	49	23012.69	74	21925.85
Tehri	Jaunpur	13	31730	11977	8306	11447	72	18641.86	151	18553.44
Rudraprayag	Ukhimath, Jakholi, Augustmuni	6	19201	11609	7449	143	65	8572.05	119	8429.67
Pithoragarh	Munsiyari, Didihat, Berinag	9	25739	17206	6350	2383	59	22069.89	137	20568.19
Bageshwar	Kapkot	11	55296	35666	6672	12920	48	33328.47	82	33964.28
Pauri	Pokhara, Ekeshwar	7	26713	9373	10980	6360	57	10549.00	185	10451.14
Model MWS	Raipur	1	2417	1365	789	95	7	2232.85	13	2232.85
<b>TOTAL</b>	<b>18</b>	<b>82</b>	<b>263837</b>	<b>142194</b>	<b>70846</b>	<b>50791</b>	<b>509</b>	<b>153016.11</b>	<b>1066</b>	<b>149972.98</b>

## PROJECT PERIOD

The project period will be for seven years i.e. from 2014 to 2021.

## PROJECT COST

The total cost of the project is 170.0 million US\$ with IDA Credit as 121.2 million US\$ (71.3%), State contribution as 45.8 million US\$ (27.0%) and beneficiary contribution as 3.0 million US\$ (1.7%).

Project Components	Project Cost		IDA Financing		GoUK Financing		Beneficiary Contribution	
	Million US\$	%	Million US\$	%	Million US\$	%	Million US\$	%
1. Social Mobilization and Participatory Watershed Planning	30.0	17.6	13.9	46.4	16.1	53.6	0.0	0.0
2. Watershed Treatment and Rainfed Area Development	90.3	53.2	72.3	80.0	15.1	16.7	3.0	3.3
3. Enhancing Livelihood Opportunities	18.7	11.0	14.9	80.0	3.7	20.0	0.0	0.0
4. Knowledge Management and Project Coordination	31.0	18.2	20.1	64.8	10.9	35.2	0.0	0.0
<b>Total Project Cost</b>	<b>170.0</b>	<b>100</b>	<b>121.2</b>	<b>71.3</b>	<b>45.8</b>	<b>27.0</b>	<b>3.0</b>	<b>1.7</b>

## PROJECT COMPONENTS

### COMPONENT 1: Social Mobilization and Participatory Watershed Planning (US\$ 30.0 Million)

(a). Mobilization of GPs in order to prepare integrated and coordinated GPWDPs including, inter alia, the identification of specific interventions to increase effective land use and water resource management and develop agriculture and income generation activities.

(b). Development of watershed treatment plans to guide the preparation and implementation of GPWDPs.

### COMPONENT 2: Watershed Treatment and Rainfed Area Development (US\$90.3 Million)

#### Sub Component 2 a. Watershed Treatment and Water Source Sustainability (US\$78.5 Million)

(a) construction and rehabilitation of recharge pits, ponds, vegetative structures and other soil conservation structures

- (b) perimeter rehabilitation with Napier and other grasses
- (c) forestry activities (e.g., plantations and nursery development) and
- (d) Promotion of alternate energy sources (e.g., biogas plants, solar cookers, water mills, and pine briquette production).

**Sub Component 2 b. Rainfed Area Development (US\$11.8 million, of which IDA US\$9.5 million)**

In the rainfed areas, the improved seeds would promote rainwater conservation, climate-smart agricultural practices, and on-farm integrated crop management. In the irrigated areas, the project would promote diversification to high-value off-season vegetable crops, adoption of innovative agronomic practices, establishment of greenhouses and tunnels, productivity enhancement of irrigated maize, wheat and other crops, and production of bio-fertilizers and vermi-compost. The Project would also provide support in the horticulture and livestock sectors, including new orchard development, orchard rehabilitation, fodder production, and livestock genetic upgrading.

**COMPONENT 3: Enhancing Livelihood Opportunities (US\$18.7 million, of which IDA US\$14.9 million)**

**Sub Component 3 a. Agribusiness Support (US\$9.1 million, of which IDA US\$7.2 million)**

The support would include:

- (a) formation of FIGs and their FFs, building on project supported water user groups and others;
- (b) building capacity of FIGs and FFs in business planning and supply chain development, including input supply and value addition and
- (c) providing market oriented extension services and marketing support, including market intelligence and brand creation.

**Sub Component 3 b. Support for Vulnerable Groups (US\$7.2 million, of which IDA US\$5.8 million)-**

- (a) To finance entrepreneurial activities for Vulnerable Groups in the targeted GPs, including landless, vulnerable women, and transhumance, who will not directly benefit from the major project investments under Component
- (b) The Project has a dedicated transhumant action plan, which will have an emphasis on livestock support.

**Sub-Component 3c - Consolidation of Gramya-I activities (US\$2.4 million, of which IDA US\$1.9 million) -**

It would repair the damaged assets created in Gramya-I and strengthen the business planning and management capacity of 27 FFs formed under Gramya I to develop them as sustainable producer businesses. The support for agribusiness development will be provided by local NGOs.

**COMPONENT 4: Knowledge Management and Project Coordination (US\$31.0 million, of which IDA US\$20.1 million)**

**Sub-component 4a: Knowledge Management (US\$11.7 million, of which IDA US\$9.3 million)-**

- (a) training and dissemination activities for targeted local institutions and the Gol-supported programs
- (b) establishment of a Center of Excellence in Watershed Development.
- (c) information and educational exchanges among and between the various Gramya II stakeholders
- (d) project supervision through an ICT-based management information system (MIS)
- (e) hydrology monitoring stations to build a comprehensive dataset at the micro watershed level and
- (f) social accountability through participatory monitoring exercises (PMEs), social audits and grievance redress mechanisms.

**Sub-component 4b: Project Coordination (US\$19.3 million, of which IDA US\$10.8 million) –**

- (a) Incremental expenditures incurred by the Project Implementing Entity for Project implementation, management and supervision
- (b) Financial management and annual internal and external audits
- (c) Incremental contractual staff salaries (other than consultants), excluding salaries of civil servants deputed to the Project and
- (d) Dissemination of Project-related information.

**EXPECTED OUTCOME INDICATORS**

1. Increase in water discharge – 25% at the end of the Project (7<sup>th</sup> year)
2. Increase in biomass – 20% at the end of the Project (7<sup>th</sup> year)
3. Increase in rainfed area under irrigation- 20% at the end of the Project (7<sup>th</sup> year)
4. Increase in productivity in irrigated and rainfed crops – 50% of irrigated and 20% of rainfed at the end of the Project (7<sup>th</sup> year)
5. 80% HHs should be direct project beneficiaries from the Project interventions.



## MONITORING IN THE PROJECT

1. **Internal Monitoring:** By the WMD staff, through MIS/GIS and field visits.
2. **External Monitoring:** Baseline Survey, concurrent monitoring, mid-term review and final impact evaluation.
3. **Social Audit:** Participatory Monitoring and Evaluation (PM&E) at GP level by the Stakeholders.
4. **Environmental and Social Safeguard Monitoring:** Integrated with the development and implementation of the GP/MWS plans.
5. **Evidence based monitoring:** Short studies and consultancies.
6. **Hydrological monitoring:** Continuous monitoring on surface runoff, reduction in silt load and increase in water availability on selected MWS.

## AUDIT ARRANGEMENTS IN THE PROJECT

1. **External Audit:** Annual AG audit of the project by the CAG.
2. **Internal Audit:** Project will procure an independent audit firm for quarterly audit of project offices.
3. **GP Audit:** All the Gram Panchayats in the project will be subjected to the annual mandatory audit by an independent audit firm.

## LEGAL COVENANTS APPLICABLE TO THE PROJECT

1. **Project Steering Committee** - Establish and thereafter maintain throughout the period of implementation of the Project, a state-level steering committee.
2. **WMD Multi-disciplinary teams at district level-** For each district involved in the Project, designate and thereafter maintain throughout the period of implementation of the Project, a multi-disciplinary team.
3. **Project internal Auditor** - Hire by no later than six (6) months after the Effective Date, an internal auditor, under terms of reference acceptable to the Association.
4. **Project computerized accounting system-** Establish by no later than three (3) month after the Effective Date, and thereafter maintain throughout the period of implementation of the Project, a computerized accounting system.
5. **Interim Financial Report-** Furnish to the Recipient and the Association, not later than forty-five (45) days after the end of each calendar quarter, an interim financial report.
6. **Operational manual and safeguards instruments** - The Project Implementing Entity shall implement the Project in accordance with the Operations Manual, ESMF and each environmental management plan and/or social management plan prepared there under, and TAP.

## **SAFEGUARD POLICIES APPLICABLE TO THE PROJECT**

**4.01 Environmental Assessment** Help ensure the environmental and social soundness and sustainability of investment project. Support integration of environmental and social aspects of projects in the decision-making process.

**4.04 Natural Habitats** Promote environmentally sustainable development by supporting the protection, conservation, maintenance, and rehabilitation of natural habitats and their functions.

**4.09 Pest Management** Minimize and manage the environmental and health risks associated with pesticide use and promote and support safe, effective, and environmentally sound pest management.

**4.11 Physical Cultural Resources (PCR)** Assist in preserving PCR and in avoiding their destruction or damage. PCR includes resources of archeological, paleontological, historical, architectural, religious (including graveyards and burial sites), aesthetic, or other cultural significance.

**4.12 Involuntary Resettlement** Avoid or minimize involuntary resettlement and, where this is not feasible, assist displaced persons in improving or at least restoring their livelihoods and standards of living in real terms relative to pre-displacement levels or to levels prevailing prior to the beginning of project implementation, whichever is higher.

**4.20 Indigenous Peoples** Design and implement projects in a way that fosters full respect for indigenous peoples' dignity, human rights, and cultural uniqueness and so that they (1) receive culturally compatible social and economic benefits, and (2) do not suffer adverse effects during the development process.

**4.36 Forests** Realize the potential of forests to reduce poverty in a sustainable manner.

The application and mitigation of all the safeguard policies are covered in the Environmental & Social Management Framework (ESMF) applicable to the Project.

## **STATUTORY COMMITTEES IN THE PROJECT**

1. **At Gram Panchayat level** – Water and Watershed Management Committee under the Chairmanship of Gram Pradhan
2. **At District level** – District watershed Committee under the Chairmanship of Zila Panchayat Adhayaksh
3. **At State level** – Project State Steering Committee under the Chairmanship of Additional Chief Secretary and FRDC, Govt. of Uttarakhand

## PROJECT PREPARATION - KEY DATES

1. Project Preparation Mission - April 15-23, 2013
2. Project Appraisal Mission - November 11-16, 2013
3. Project Negotiation - January 8, 2014
4. World Bank Board Approval - March 31st 2014
5. Project Agreement Signing- 30<sup>th</sup> May, 2014
6. Project effectiveness date – 15<sup>th</sup> July, 2014
7. Project Closing date – 30<sup>th</sup> September, 2021

## PROJECT MANUALS

The Project Manuals are prepared in-house to adopt uniform planning and implementation approach, technical guidance and smooth financial and procurement procedures for all the Project stakeholder. The main Project Manuals are :- Operational Manual, Environmental & Social Management Framework (ESMF), Project Procurement Manual, Community Procurement Manual, Financial Management System, Financial System Manual for GP, Forestry, Soil & Water Conservation, Agriculture & Horticulture Component, Animal Husbandry Component, Capacity building strategy, Communication strategy, Agribusiness strategy, Participatory Monitoring & Evaluation and Transhumant Action Plan (TAP) have been prepared and hosted in the website [www.wmduk.gov.in](http://www.wmduk.gov.in) (UDWDP 'GRAMYA' Phase-II)

## PROJECT DISBURSEMENT PROFILE

As per the Project Appraisal Document (PAD) following disbursement profile is envisaged for the Project during its operational period.

### Expected Disbursements (in USD Million)

Fiscal Year (1 <sup>st</sup> April to 31 <sup>st</sup> March)	2014	2015	2016	2017	2018	2019	2020	2021	2022
Annual	2.80	5.20	14.50	18.50	20.00	20.00	18.20	16.00	6.00
Cumulative	2.80	8.00	22.50	41.00	61.00	81.00	99.20	115.20	121.20

The Annual Work Plan of UDWDP-II is prepared as per the targeted disbursement profile. The same figure translates in to the budgetary provision for the Project.

## **PROJECT HIGHLIGHTS– COMMUNITY DRIVEN DECENTRALIZED DEVELOPMENT APPROACH –**

- ❖ Learning from UDWDP Phase-I is incorporated to design the second phase of the project .
- ❖ Formulation of Gram Panchayat Watershed Development Plans (GPWDP) by the community.
- ❖ Involvement of beneficiary contribution in major activities.
- ❖ Budget envelop for GPWDP is calculated on the basis of 35% population and 65% GP area weightage with a minimum cap of Rs. 40 lakhs and a maximum cap of Rs. 1.60 Crore. The budget envelope is communicated to each Gram Panchayats of the Project area.
- ❖ Provision of dedicated account at GP level for the Project funds is mandatory.
- ❖ In compliance with the 73<sup>rd</sup> constitutional amendment, a true financial and administration autonomy has been given to Gram Panchayats. The Project fund is being operated by the joint signature of Gram Pradhan and Woman Ward Member.
- ❖ Appointment of Account Assistant by Gram Panchayat
- ❖ Appointment of village level woman motivator
- ❖ Procurement and financial system manuals for GPs
- ❖ Provision of Women Aam Sabha and 50% women representation in RVCs
- ❖ Community procurement
- ❖ Involvement of NGOs at various formulation and operating level of the Project.
- ❖ GIS based mapping of monitoring.
- ❖ External monitoring on 10% random sample basis of the Project.
- ❖ External Hydrological Monitoring of the Project.
- ❖ Focus on Water User Groups, Vulnerable Groups & Transhumant Population
- ❖ Formation of FIGs, FF and Agribusiness initiative
- ❖ Pine briquetting initiative
- ❖ Market linkages through Agribusiness Support Agencies.
- ❖ Participatory Monitoring and Evaluation at GP level
- ❖ Convergence at GP level with other development programmes/schemes.
- ❖ Sustainable institutional arrangement and assets maintenance plans.





## Glimpses of GPWDP Activities

# **UPDATED ACHIEVEMENTS**

**Till March, 2016**

## UPDATED PROJECT PROGRESS V/S TIMELINE

- ❖ The Project was formulated in FY 2013-14.
- ❖ Project Financial, Procurement, Technical and Operational Manuals were prepared under the direction of World Bank and approved by the state government.
- ❖ Project Area selection and survey work was finalised during the period.
- ❖ Procurement process for Internal Auditor, Field NGOs- Garhwal and Kumaon, Partner NGOs- Rudraprayag and Uttarkashi was initiated as directed by the DEA, Government of India.
- ❖ Project website [www.wmduk.gov.in](http://www.wmduk.gov.in) updated and all relevant information regarding Project uploaded.
- ❖ Quality and Cost based National competitive Bidding procedure was followed for procurement of Field NGOs- Garhwal and Kumaon, Partner NGOs- Rudraprayag, Uttarkashi, External Evaluation Consultancy and External Hydrological Consultancy as per World Bank procurement guideline 2011 i.e applicable to the Project.
- ❖ Project Negotiation was done with World Bank in New Delhi on dated 08-01-2014.
- ❖ Six Project divisions and one PMU division were established in Jan-Feb, 2014.
- ❖ During the preparatory phase of the Project, expenditure incurred was mainly for establishment of Project offices and Project Planning.
- ❖ Project financing agreement was signed between World Bank, Department of Economic Affairs, Government of India and State Government in New Delhi on 30 May 2014.
- ❖ The Project is effective since 15 July 2014.
- ❖ So far, three meetings of Project State Steering Committee were conducted and the latest was on 25<sup>th</sup> August 2015 for FY 2015-16. Physical activities and expenditure incurred during FY 2014-15 and Annual Work Plan for FY 2015-16 were approved by the committee.
- ❖ Six district level watershed committee meeting at district level with Zila Panchayat Adhyaksh as chairperson has been organized by various field divisions in FY 2015-16.
- ❖ Software for Financial Management Information System (FMIS) was developed in-house. The Financial progress reports are generated regularly using FMIS.



- ❖ For field monitoring a GIS based ODK App 'Pratyakhya' has been developed and being used regularly to obtain the photographs of field level created assets.
- ❖ The last supervision missions of the World Bank visited the state on January 27<sup>th</sup> to 4<sup>th</sup> February, 2016 to review the Project implementation. It has rated the project progress as satisfactory.
- ❖ The Internal Auditor has been contracted on 11<sup>th</sup> December, 2014.
- ❖ The Field NGO- Garhwal has been contracted on 2<sup>nd</sup> March, 2015.
- ❖ The Field NGO- Kumaon has been contracted on 2<sup>nd</sup> March, 2015
- ❖ The Partner NGO- Rudraprayag has been contracted on 2<sup>nd</sup> March, 2015
- ❖ The Partner NGO- Uttarkashi has been contracted on 2<sup>nd</sup> March, 2015
- ❖ Procurement of External Monitoring Evaluation Consultants and External Hydrological Consultants has been initiated and they are in the advance stages of procurement.
- ❖ Outsourcing of key technical field staff has been done and placed as per the approval of World Bank and Govt. of Uttarakhand.
- ❖ Procurement of six ABSO has been initiated.
- ❖ Procurement procedure for three consultants (Agribusiness, Hydrology and Agronomy) is in progress.



## CUMULATIVE PHYSICAL PROGRESS - TILL MARCH, 2016

Sl. No.	Component/ Sub-Component	Unit	PHYSICAL					
			Progress till previous year	Financial Year 2015-16				Cumulative progress since inception of the Project
				Annual Target	Progress till last month	Progress during the month	Progress up to the month	
1	2	3	4	5	6	7	8	9
<b>1. Social Mobilization and Participatory Watershed Planning</b>								
1	Hiring of Partner NGOs	No.	2	2	2	2	2	2
2	Hiring of Facilitating NGOs	No.	2	2	2	2	2	2
3	No. of GP Meeting organized	No.	1065	1066	1199	198	1397	2462
4	MOU signed between GPs & DPDs	No.	390	140	130	2	132	522
5	Constitution of WWMC	No.	385	145	135	0	135	520
6	Formation of revenue village committee	No.	727	339	248	14	262	989
7	Hiring of village motivators	No.	682	384	280	28	308	990
8	Selection of Assistant Accountants by the GPs	No.	323	207	184	11	195	518
9	No. of dedicated watershed accounts opened in Banks	No.	350	180	148	0	148	498
10	No. of GPs in which House hold data has been collected	No.	199	859	244	25	269	468
11	No. of Water Source identified	No.	347	200	127	50	177	524
12	No. of treatment plan for identified water sources prepared	No.	21	50	13	2	15	36
13	No. of GPWDP prepared	No.	56	LS	325	0	325	381
<b>2. Watershed Treatment &amp; Rainfed Area Development</b>								
1	Watershed Treatment -sub projects (Implementation of GPWDP)	No.	13	LS	172	19	191	204
2	Demonstration of water conservation through Pond Construction along with peripheral activities	No.	51	LS	8	9	17	68

Sl. No.	Component/ Sub-Component	Unit	PHYSICAL					
			Progress till previous year	Financial Year 2015-16				Cumulative progress since inception of the Project
				Annual Target	Progress till last month	Progress during the month	Progress up to the month	
1	2	3	4	5	6	7	8	9
3	Demo. of High Yielding agric. crops (0.2 ha. For rain-fed agriculture)	No.	786	1700	1906	0	1906	2692
4	Adoption support for High yielding agric. crops (0.06 ha for rainfed area)	farmer	0	1260	837	150	987	987
4	Demonstration for high yielding vegetable crops (0.20ha. for irrigated area)	No.	1428	1375	2396	721	3117	4545
5	Orchard Development (250 plant/ha.)	Ha.	51.5	220	311	25.8	336.7	388.2
6	Seeds and Seedlings (High value crop demonstration)	Ha.	143	195	290	62.6	352-3	495.25
7	Polyhouses	No.	229	315	226	138	364	593
8	Poly tunnels	No.	411	835	670	395	1065	1476
9	Vermi compost Demonstration	No.	785	1673	446	294	740	1525
10	Improved agriculture/horticulture implements	LS	125	0	0	0	0	125
11	Natural Breeding Centres	No.	0	47	0	41	41	41
12	Paravet (AI services)	No.	0	22	16	0	16	16
13	Veterinary camps	No.	76	142	14	91	148	224
14	Animal shelter /sheds	No.	322	482	185	154	339	661
15	Manger	No.	353	964	277	207	484	837
16	Animal Chari	No.	209	450	215	97	312	521
15	Fodder Minikit	NO.	1486	3020	1850	1355	3205	4691
16	Napier crop border plantation	"000" mtrs	39	640	436	0	436	475

### 3. Enhancing Livelihood Opportunities

1	Funds for Vulnerable Groups: Individuals	No.	26	1080	219	127	346	372
2	Funds for Vulnerable Groups : Groups	No.	4	138	37	20	57	61

### 4. Knowledge Management and Project Coordination

1	Training at Village Level (one day 35 participants)	No.	439	437	416	131	547	986
2	Training at Division level (3-day trg 100 Participants)	No.	78	82	72	22	94	172
3	Within state training	LS	10	LS	2	1	3	13

Sl. No.	Component/ Sub-Component	Unit	PHYSICAL					
			Progress till previous year	Financial Year 2015-16				Cumulative progress since inception of the Project
				Annual Target	Progress till last month	Progress during the month	Progress up to the month	
1	2	3	4	5	6	7	8	9
	<b>Exposure visits</b>							
4	Within State 3 days (25 Participants per visit)	No.	89	41	27	21	48	137
5	Outside State 5 days (25 Partici. per visit)	No.	9	25	4	4	8	17
	<b>Capacity Building of Staff</b>							
6	Training of staff (Participants)	No.	582	LS	524	0	524	1106
7	Exposure visit of staff - outside state (visits)	No.	3	11	3	1	4	7
8	Exposure visit of staff - within state (visits)	No.	18	11	3	5	8	26
	<b>Workshops</b>							
9	National /State Level workshops	No.	1	6	6	0	6	7
10	WMD/PD level workshop/Project Staff (events)	No.	39	26	25	2	27	66
11	Division level workshops	No.	69	42	57	21	78	147
12	Unit level workshops	No.	225	196	298	68	366	591
13	Village level workshops	No.	1342	1086	1693	386	2079	3421
14	Special workshops at WMD/PD/DPD level	No.	21	LS	20	3	23	44

## PHYSICAL PROGRESS UNDER GRAM PANCHAYAT WATERSHED DEVELOPMENT PLAN (GPWDP)

Sl. No.	Component Activity	Unit	Progress till previous year	F.Y. 2015-16				Cumulative progress since inception of the project
				Annual Target	Progress till last month	Progress during the month	Progress up to the month	
1	2	3	4	5	6	7	8	9
	<b>Watershed Treatment and Rainfed Area Development</b>							
	<b>Watershed Treatment &amp; Source Sustainability</b>							
	<b>Watershed Treatment (sub projects)</b>							
	<b>Agriculture &amp; Horticulture Development</b>							
1	Agriculture minikit (0.04 Ha.)	No.	0	0	20	0	20	20
2	Agri/Horti. tools	No.	0	0	45	1	46	46

Sl. No.	Component Activity	Unit	Progress till previous year	F.Y. 2015-16				Cumulative progress since inception of the project
				Annual Target	Progress till last month	Progress during the month	Progress up to the month	
1	2	3	4	5	6	7	8	9
3	Terrace repair/Vegetative field boundry	Cum	0	0	200	898	1098	1098
4	Bio Compost	No.	0	0	25	47	72	72
5	Vermi Compost	No.	0	0	0	0	0	0
6	High value crops minikit (0.04Ha.)	Ha.	0	0	3	1	4	4
7	Homestead plantation (250 Plant)	Ha.	0	0	12.8	10.5	23.25	23.25
8	Orchard Development (250 Plant/ha.)	Ha.	0	0	1	0	1	1
9	Poly House	No.	0	0	20	13	33	33
10	Poly Tunnel	No.	0	0	26	0	26	26
	<b>Livestock</b>							
1	NBC	No	0	0	0	0	0	0
2	Animal Shelter/ Sheds	No.	0	0	12	226	238	238
3	Mangers	No.	0	0	97	160	257	257
4	Animal chari	No.	0	0	32	82	114	114
5	Napier Crop Border Plantation	Ha.	0	0	4.5	0	4.5	4.5
6	Forage row plantation	Ha.	0	0	0	0	0	0
7	Chaff Cutter	No	0	0	12	23	35	35
	<b>Forestry</b>							
<b>1</b>	<b>Afforestation (1000 plants/ ha.)</b>							
1.1	Advance soil work	Ha.	0	0	52	1017	1068.5	1068.51
1.2	Plantation	Ha.	0	0	0	201	201	201
1.3	Maintenance - Ist Year	Ha.	0	0	0	0	0	0
1.4	Maintenance - 2nd Year	Ha.	0	0	0	0	0	0
<b>2</b>	<b>Nursery establishment (Farmer nursery)</b>	No. (10,000 plants)	0	0	0	0	0	0
<b>3</b>	<b>Assisted Natural Regeneration of Oak Areas</b>							
3.1	Advance soil work	Ha.	0	0	10	57	67	67
3.2	Plantation	Ha.	0	0	0	40	40	40
3.3	Maintenance - Ist Year	Ha.	0	0	0	0	0	0
3.4	Maintenance - 2nd Year	Ha.	0	0	0	0	0	0
	<b>Energy conservation</b>							
1	Bio Gas Plant	No.	0	0	0	0	0	0
2	Renovation of Water Mills (Gharat)	No.	0	0	0	0	0	0
3	Solar lantern	No.	0	0	50	51	101	101
4	Community Solar street panel	No.	0	0	103	29	132	132
5	Pine Briquett machine	No.	0	0	0	9	9	9
6	Pine briquett stove	No.	0	0	0	0	0	0

Sl. No.	Component Activity	Unit	Progress till previous year	F.Y. 2015-16				Cumulative progress since inception of the project
				Annual Target	Progress till last month	Progress during the month	Progress up to the month	
1	2	3	4	5	6	7	8	9
	<b>Drainage Line Treatment &amp; Soil Conservation</b>							
1	Construction of vegetative check dam	No.	0	0	0	0	0	0
2	Vegetative Treatment	Cum	0	0	2450	0	2450	2450
3	Construction of dry stone check dam	Cum	0	0	4442	6061	10503	10502.6
4	Construction of crate wire check dam	Cum	0	0	221	3839	4060	4059.95
5	Road Side erosion control	Cum	0	0	1741	3515	5255.4	5255.4
6	Land Slide Treatment	Cum	0	0	0	0	0	0
7	Retaining Wall	Cum	0	0	0	503.6	503.59	503.59
8	Construction of spur (river training work)	Cum	0	0	0	0	0	0
9	River bank protection	Cum	0	0	1238	650	1888.3	1888.32
10	Diversion drain	Cum	0	0	0	25	25	25
11	1:6 CC Mortar work	Cum	0	0	0	982.6	982.6	982.6
	<b>Water Harvesting &amp; Source Sustainability</b>							
1	Irrigation Channel	Km	0	0	0.3	13.62	13.919	13.919
2	Irrigation Tank with delivery pipe line(14 to 21 cum)	No.	0	0	6	162	168	168
3	Roof Water Harvesting Tank	No.	0	0	81	527	608	608
4	Village Pond	No.	4	0	1	10	11	15
5	Recharge pit	Cum	0	0	1512	1323	2835	2835
6	Digging of trenches	Rm	0	0	12264	1516	12780	12780
7	Renovation of existing Tal/Naula/Khaura	No.	0	0	1	5	6	6
8	LDPE Tank	No.	0	0	2	2	4	4
9	Water lifting solar pump	No.	0	0	0	2	2	2
10	HDPE line	Rm	0	0	0	1200	1200	1200
	<b>Road Programme</b>							
1	Rural road improvement	Km	0	0	5.76	23.5	29.258	29.258
2	Construction of small Bridges	No.	0	0	11	22	33	33

## FINANCIAL PROGRESS - UPDATED STATUS OF BUDGETED EXPENDITURE

The Project received a sanction of retroactive expenditure since 1<sup>st</sup> June, 2013 to 31<sup>st</sup> May, 2014 for formulation and preparatory works. The Project became effective since 15<sup>th</sup> of July, 2014. The updated expenditure table is given below:-

**Till 31st. March, 2016 (Rs. in Lakh)**

Cumulative expenditure till March, 2015	Progress during the Financial Year 2015-16						Cumulative expenditure since the inception of the Project
	Outlay	Budget Provision	Released Budget	Expenditure upto the previous month	Expenditure during the month	Cumulative Expenditure during the year	
4419.79	9650.73	9680.68	6588.71	4478.25	2598.15	6076.40	10496.19

❖ **In addition to the above figures an expenditure of Rs. 347.79 lakh has been incurred in the Project as beneficiary contribution.**

## UPDATED STATUS OF REIMBURSEMENT

Reimbursement received to the State Government is given below:-

Sl. No.	Claim Application No.	Submission date	Amount in INR lakh	Remarks
1	1	26-06-2014	270.24	Retroactive financing
2	2	07-08-2014	46.42	1. Salary component is non reimbursable 2. All other expenditures are reimbursed by World Bank @ 80% of the expenditure.
3	3	18-10-2014	122.89	
4	4	16-01-2015	285.38	
5	5	12-05-2015	1057.64	
6	6	27-07-2015	127.823	
7	7	09-11-2015	483.24	
8	8	08-02-2016	261.33	
<b>Total</b>			<b>2654.96</b>	

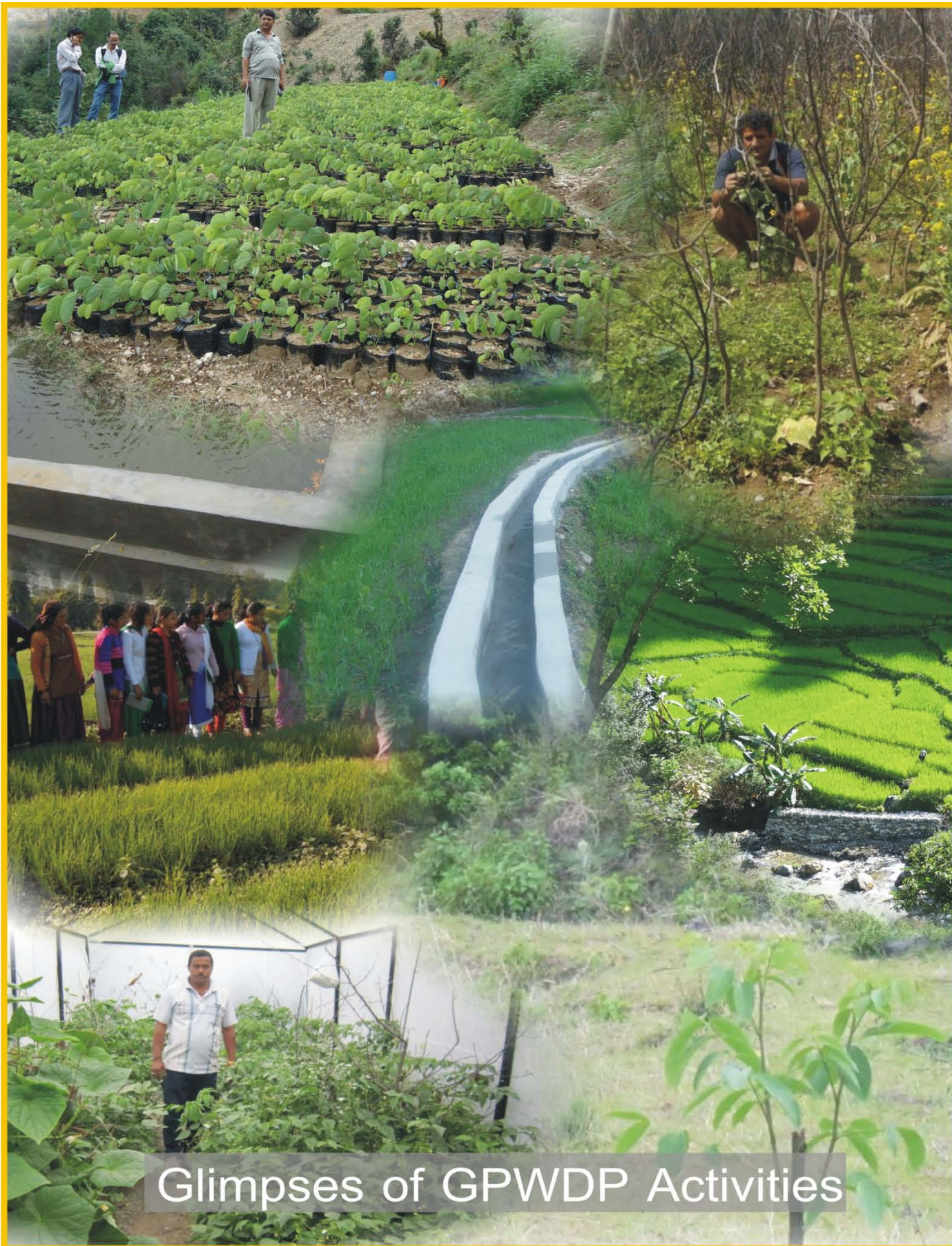
## STATUS OF REIMBURSEMENT V/S DISBURSEMENT PROFILE IN PAD

Sl. No.	Fiscal Year (1 <sup>st</sup> April – 31 <sup>st</sup> March)	Disbursement target (PAD) (in USD million)	Reimbursement achievement (in USD million)	Remarks
1	2014	2.80	1.180123	Inclusive of retroactive financing
2	2015	5.20	2.974512	Reimbursement figure till 3rd Quarter of fiscal year.
	<b>TOTAL</b>	<b>8.00</b>	<b>4.154635</b>	

## STATUS OF VARIOUS AUDITS IN THE PROJECT

- ❖ The internal audit mandated for project for the year FY 2013-14, FY 2014-15 and 1<sup>st</sup> six month of FY 2015-16 has been completed.
- ❖ Post procurement audit FY 2013-14 and 2014-15 has been completed by the World Bank (selected agency).
- ❖ Certification Audit (CAG) FY 2013-14 and FY 2014-15 has been completed. The report has been sent to the Bank and GoI on dated 30<sup>th</sup> October, 2015. The clarifications on AG audit report was sent to the AG, Uttarakhand and mailed to the Bank on 20<sup>th</sup> January, 2016.





Glimpses of GPWDP Activities



## ANNUAL WORK PLAN 2016-17

<b>Annual Work Plan for 2016-17 (Rs. in Lakh)</b>		
<b>Annual Work Plan 2016-17</b>	<b>:</b>	<b>16879.65</b>
<b>Budgeted Amount</b>	<b>:</b>	<b>16076.87</b>
❖ <b>Salaries</b>	<b>:</b>	<b>2104.60</b>
❖ <b>Operating Cost</b>	<b>:</b>	<b>523.70</b>
❖ <b>Work Component</b>	<b>:</b>	<b>13448.57</b>
<b>Proposed Beneficiary Contribution</b>	<b>:</b>	<b>802.78</b>
<b>Budget Sanctioned for 2016-17</b>	<b>:</b>	<b>11955.77</b>

### Proposed quarterly disbursement for Financial Year 2016-17

**In Million US\$**

First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Total
2.00	4.00	6.00	5.20	17.20

## ANNUAL WORK PLAN FY 2016-17 UNDER MAJOR COMPONENTS

Component/ Sub-Component	Unit	Physical Target	Financial Target (Rs. in lakh)
<b>Social Mobilization and Participatory Watershed Planning</b>			
<b>Social Mobilization &amp; Preparation of plan</b>			
Partner NGOs (Rudraprayag & Uttarkashi)	No.	2	100.00
Field NGOs (Garhwal & Kumaon)	No.	2	200.00
Village motivators	Per month	12972	259.44
GPs administrative expenses	GP/year	517	413.60
Preparation of GPWDP/MWS Plans	GPs	136	205.25
<b>Watershed Treatment &amp; Rainfed Area Development</b>			
<b>Watershed Treatment &amp; Water Source Sustainability</b>	LS	517	7400.00
<b>Agriculture Sector</b> (terrace repair, mikinit distribution, vegetative field boundary)	About 509 Gram Panchayat Watershed Development Plans will be at the implementation stage in all the project divisions i.e eight field divisions and one PMU division. The Gram Panchayat are expected to spend around Rs.74.00 crores net of beneficiary during the financial year 2016-17.		
<b>Horticulture Sector</b> (Bio/ vermi- copmpost, off-seasonal vegetables, plantation of fruit trees, rejuvenation of orchards)			
<b>Livestock Sector</b> (Animal Shelter, Manger, Chari, Napier Crop border plantation)			
<b>Forestry Sector</b> (Plantation, ANR, Soil Conservation works)			
<b>Soil Conservation Sector</b> (vegetative checkdam & treatment, dry stone checkdam, crate wire checkdam, roadside erosion control, landslide treatment)			
<b>Water conservation and irrigation Sector</b> (Irrigation tank, roof-water harvesting tank, village pond, recharge pit, digging of trenches, renovation of existing tal, naula, khala etc.)			
<b>Energy conservation Sector</b> ( Bio gas plant, Chir pine briquetting)			
<b>Repair of bridle path and culverts</b>			
<b>NRM Treatment Support</b> -Tech. innovation & demonstration (in model micro watersheds)			

<b>Component/ Sub-Component</b>	<b>Unit</b>	<b>Physical Target</b>	<b>Financial Target (Rs. in lakh)</b>
Demonstration of water conservation through Pond Construction along with peripheral activities	No.	27	52.43
<b>Rainfed Agriculture Development</b>			
<b>Agriculture &amp; Horticulture demonstrations</b>			
Demo. of High Yielding agric. crops (0.2 ha. For rainfed ag)	No.	3200	96.00
Adoption support for High yielding agric. crops (0.06 ha for rainfed area)	Farmer	14100	141.00
Demonstration for high yielding vegetable crops (0.20ha. for irrigated area)	No.	3520	140.80
Orchard Development (250 plant/ha.)	Ha.	360	150.48
Seeds and Seedlings (High value crop demonstration)	Ha.	360	338.40
Poly houses	No.	537	238.97
Poly tunnels	No.	3400	102.00
Vermi compost Demonstration	No.	1850	181.30
Improved agriculture/horticulture implements	LS	LS	42.0
<b>Animal Husbandry Programme</b>			
<b>Livestock Improvement</b>			
Natural Breeding Centres	No.	60	70.80
Paravet (AI services)	No.	22	25.30
Veterinary camps	No.	250	75.00
<b>Stall feeding Program</b>			
Animal shelter /sheds	No.	517	307.62
Manger	No.	517	36.19
Animal Chari	No.	517	56.87
<b>Fodder Production Programme</b>			
Fodder Minikit	No.	3020	14.65
Napier crop border plantation	'000 mtrs.	710	94.43
<b>Enhancing Livelihood Opportunities</b>			
<b>Agri-business Support</b>			
ABSO Support (6 nos.)	No.	7 No.	70.00
Training at Unit level & division level (events)	No.	235	235.00
Exposure visit	No.	56	57.46
High Yielding Agric/Horti. Crops (Farmers)	No.	540	507.60
Post harvest support – civil work	No.	18	54.00

<b>Component/ Sub-Component</b>	<b>Unit</b>	<b>Physical Target</b>	<b>Financial Target (Rs. in lakh)</b>
Post harvest support – goods and pirate fund	LS	LS	154.00
<b>Income Generation Activities</b>			
Individual beneficiaries	No.	1125	337.50
Group beneficiaries	No.	310	310.00
Funds for Transhumant	LS	LS	40.00
<b>Consolidation of Gramya-1 activities</b>	LS	LS	217.00
<b>Knowledge Management</b>			
<b>Capacity Building of Various Stakeholders</b>			
Training of villager (events)	No.	1176	185.35
Exposure visits	No.	79	87.45
Training of staff	LS	LS	20.50
Exposure visit of staff (visits)	No.	45	30.95
Overseas Training	LS	LS	50.00
National /State Level workshops	No.	4	24.00
WMD/PD level workshop/Project Staff (event)	No.	36	21.60
Division level workshops	No.	50	29.00
Unit level workshops	No.	100	24.80
Village level workshops	No.	1086	80.36
Special workshops at WMD/PD/DPD level	LS	--	26.00
<b>Centre of Excellence for Watershed Management</b>	LS	--	30.00
<b>Monitoring, Evaluation and Learning</b>			
Monitoring and Evaluation Consultancy	LS	--	100.00
Establishment of Hydrological Monitoring Stations	LS	--	100.00

**STATUS OF KEY TECHNICAL STAFF AT FIELD LEVEL UNDER UDWDP-II**  
(as on 1<sup>ST</sup> APRIL, 2016)

Sl. No.	Name of Post	Approved Strength of Key Tech. Staff in the Project	Regular Staff	Out-sourced staff	Total key Technical Staff in place
1	Deputy Project Director	7	7	-	7
2	Junior Engineer	10	3	3	6
3	Unit Officer	22	15	-	15
4	Live Stock Extension Officer	20	3	43 (MDT field staff)	89
5	Deputy Ranger	6	3		
6	Forester	22	10		
7	Asst. Agriculture Inspector	20	13		
8	Asst. Soil Cons. Inspector	20	3		
9	Forest Guard	20	14		
	<b>Sub Total</b>	<b>147</b>	<b>71</b>	<b>46</b>	<b>117</b>

**OTHER KEY SPECIALIST (as per cost table)**

Sl. No.	Name of Post	Approved as per cost table	In place
1	Watershed Expert	1	1
2	NRM/ Environment Specialist	2	1
3	IEC Specialist	1	0
4	Social Dev. Cum Livelihood Specialist	1	1
5	MIS/ GIS Specialist	2	2
6	Data Entry Operators	60	34
7	MIS Operators	10	9
8	Project Associates	28	9
	<b>Sub Total</b>	<b>105</b>	<b>57</b>

**INTERMEDIATE TRACKING INDICATORS**  
**INDIA: Uttarakhand Decentralized Watershed Development II Project**

Project age – 1.5 year

Intermediate Results Indicators	Unit of Measure	Baseline	Cumulative Target Values YR2		Remarks
			Target	Achievement	
<b>Intermediate Result (Component 1): Social Mobilization and Participatory Watershed Planning</b>					
<b>Intermediate Indicator 1:</b> (i) Percent of participating HHs in the Gram Sabha meetings and (ii) % of which female	Percent	0%	80% 40%	78% 38%	% of all HHs participating in the Gram Sabha meetings and their female representatives. Women Aam Sabha attendance of about 514 Aam Sabha shows much higher % than 38%.
<b>Intermediate Result (Component 2): Watershed Treatment and Rainfed Area Development</b>					
<b>Intermediate Indicator 2:</b> Hydrological monitoring systems fully installed and functional in sample MWS	Number	0	8	-	Procurement of consultancy firm for Hydrological monitoring is in process and 8 MWS will be under observation by the end of second year i.e. by 30 <sup>th</sup> June 2016.
<b>Intermediate Indicator 3:</b> Targeted traditional natural water sources rejuvenated	Percent	0	-	-	471 water sources identified. MWS plans are under preparation. Rejuvenation of water sources will be done once implementations of activities begin.
<b>Intermediate Indicator 4:</b> Natural resource conservation techniques adopted in the targeted areas	% over baseline	0	-	-	Implementation of GPWDP is in initial stage.
<b>Intermediate Indicator 5 :</b> Targeted farmers adopting soil moisture conservation practices and crop production technologies	%	0	10%	-	837 farmers adopted the new farming practices. More and more farmers are being encouraged to adopt new farming practices.
<b>Intermediate Result (Component 3): Enhancing Livelihood Opportunities</b>					
<b>Intermediate Indicator 6:</b> Farmers organized into (FIGs)	Number	0	-		605 FIGs formed, organizing about 6200 farmers in groups.
<b>Intermediate Indicator 7 :</b> Self sustainable FFs	%	0	-	-	Farmers are being encouraged.
<b>Intermediate Indicator 8:</b> Vulnerable HHs covered by the vulnerable group activities under GPWDPs.	Number	0	-	144	123 individual vulnerable HHs and 21 vulnerable groups benefitted so far.
<b>Intermediate Result (Component 4): Knowledge Management and Project Coordination</b>					
<b>Intermediate Indicator 9:</b> Target GPs with satisfactory Social Audit using PME regularly	%	0	-	-	About 78 PME teams have been constituted so far. The PME exercise will be conducted during implementation phase of GPWDP.
<b>Intermediate Indicator 10:</b> Target GPs with satisfactory financial audit report	%	0	-	-	Quarterly GP audit is being conducted by Internal Auditor. Dedicated Auditor for each division for GP audit will be procured with the implementation of GPWDP.

**Note: 1-** As per PAD the targets would be measured at the end of second year of project i.e. 30<sup>th</sup> June 2016. The given achievements are at the end of 1.5 year of the project.

**2- YR-4 – MTR will be conducted; YR-7 – Final Impact Evaluation will be conducted.**

About 294 GPWDPs have been formulated till 31<sup>st</sup> December, 2015 and they all will be in the implementation phase of work by next semester onwards. So far in the mobilization phase various demonstrative activities have been taken place through FIGs, User Groups and individual beneficiaries, which started showing some impact on the ground.

PDO Level Results Indicators	Unit of Measure	Y2 (Age 1.5 Year)	Description (indicator definition etc.)		
<b>Indicator One :</b> Increase in water discharge	%	<ul style="list-style-type: none"> <li>Various soil conservation measures and plantation programmes are planned in the GPWDP. With the advancement of implementation of GPWDP and placement of external hydrological monitoring consultancy team this will be measured from 3<sup>rd</sup> year onwards.</li> </ul>	To be assessed in perennial water sources based on the hydrological monitoring of eight representative sample MWSs. e.g. measured as change in ltr./minute.		
<b>Indicator Two:</b> Increase in biomass.	%	<ul style="list-style-type: none"> <li>Orchard Development: 190.30 ha.</li> <li>Seedling Demo: 389 ha.</li> </ul>	These will contribute in increasing the biomass in treated areas.		
<b>Indicator Three:</b> Increase in rain-fed area under irrigation	Ha	<ul style="list-style-type: none"> <li>Demonstration of water conservation ponds- 57 nos.</li> </ul>	<ul style="list-style-type: none"> <li>Creation of additional water storage capacity: 85 lac cum (one filling)</li> <li>Conversion of 128 ha. (per season) under irrigation.</li> </ul>		
<b>Indicator Four:</b> Increase in productivity in irrigated and rainfed crops	%	<ul style="list-style-type: none"> <li>Demonstration of high yielding agriculture crop – 2562 No.</li> <li>Demonstration of high yielding vegetable crops – 2854 nos.</li> </ul> <p>Each demonstration is done in 0.2 ha. plot with following inputs, under control conditions resulted in increased production:-</p> <ul style="list-style-type: none"> <li>Improved agriculture/ horticulture technique/ practices explained by scientists of KVKs/ Universities in the field.</li> <li>Balance input of fertilizer with the help of soil health card.</li> <li>FIGs with aware farmers.</li> <li>Additional inputs in the form of water, vermi compost, bio-fertilizers and healthy seedlings.</li> </ul>			
			Crop	Variety	in production
			<b>Rain-fed crop</b>		
			Paddy	VL- Dhan 85	30-45
			Maduwa	VL- Maduwa 347, 324	25-35
			Jhingora	VL- Madira	30-40
			Ramdana	VL- Chuwa 44	35-45
			Soya beans	VL- Soya 65	25-35
			<b>Irrigated Crop</b>		
			Pea	GS 10, PS 1100	20-30
			Tomato	Him sohna, Navin 2000	30-40
			French Beans	Anupama, Falguni	25-35
			Capsicum	Tanvi ,Bharat, California Wonder	25-40
			Cabbage	Varun, S92	20-30
Turmeric	Swarna, Pant Pitabh	10-15			
Ginger	Rio De Janerio, Himgiri	15-25			
Garlic	Agrifound Parwati	10-15			
Cauliflower	Snow white, Snow mysitc	20-30			
<b>Indicator Five:</b> Direct project beneficiaries, of which % of female.	%	<ul style="list-style-type: none"> <li>More than 2,000 HHs have been already benefitted with various demonstration, livestock activities and skill up-gradation programmes. These includes community as well individual beneficiaries.</li> </ul>			

## SPECIES RECOMMENDED FOR AGRICULTURE, HORTICULTURE AND FODDER DEMONSTRATIONS IN UDWDP-II

### AGRICULTURE SECTOR

<i>Crop/ Species / Variety</i>	<i>Rain-fed</i>	<i>Irrigated</i>	<i>Season</i>
Paddy	VL163, VL220	Pant10, Pant11, Pant12	Kharif
Wheat	VL719, VL736, HS365, PBW154, VL616	VL719, VL736, HS365, PBW154, VL616	Rabi
Maize	Ganga11,9, Kanchan Naveen,	Ganga11,9, Kanchan Naveen,	Kharif/ Zaid
Maduwa	VL124, VL149, VL204, VL148		Kharif
Millet crop (Jhangora)	VL29, Madira181,		Kharif
Gahat	VLG-1, VLG-8		Kharif
Soyabean	PR1345, PK1024		Rabi
Rajma (Kidney beans)	VLG Rajma-63,		Kharif
Mustard	T-59, Krishna, Kranti		Rabi

### OFF-SEASONAL VEGETABLES

<i>Crop</i>	<i>Variety</i>	<i>Season</i>
Tomato	Himsohna, Manisha, Avinash2, Naveen+	Off-season vegetable with irrigation facilities and package of practices.
Capsicum	California wonder (OP), Bharat, Indra, Tanvi	
Cucumber	Aman, Priya, Poinset, Japanege Long Green	
Bottle guard	Pratima, Varad, N.S.-381	
Pea	Arkle, Azad Pea 3,1,VL-7	
Cauliflower	Early-Pusa Deepali, Summer King mid- Improved Japanese, Sairono late- Pusa snowball-16	
Cabbage	Varun, Blue diamond, Pragati, Golden Acre, Pride of India	
Brinjal	Pant Samrat, Pant Rituraj, Pusa Purpal long	



<i>Crop</i>	<i>Variety</i>	<i>Season</i>
Ginger	Rigodegenario	March-
Turmeric	Swarna Pant Pitabh	April
Garlic	Jamuna Safed (for plain), Agrifound, Parvati (for hill)	Rabi

## **FRUIT PLANT SPECIES**

<i>Season / Species</i>	<i>Winter Season</i>	<i>Rainy Season</i>
Mango		Dashehari, Langra, Amrapali, Chausa
Citrus(acid lime)		Pant lemon, kagzi niboo
Aonla		Narendra Aonla 7,9 And Kanchan
Pomegranate		Bhagwa, Kandhari, Ganesh
Guava		L-49 ( Sardar Guava), Allahabad Safeda, Lalit
Kinnow		kinnow
Peach	Red June, Paradelux, Flordasun	
Walnut	Lara, Chander, Kagzi	
Plum	Santarosa	
Apple	Red Chief, Argunspur, Fuzi, Delicious, Golden Spur	

## **DEMONSTRATION OF FODDER SPECIES**

Fodder Minikit of Lobiya (cow peas) and Maize are being distributed for demonstration for Kharif season and Jayi (Oat) and Barseem for Rabi season. Napier grass is an improved fodder grass that produces a lot of high protein forage. Napier is propagated easily and grows very fast. Napier grass is planted on field boundaries of agriculture terraces during Kharif season.

## FORESTRY RELATED WORKS

Species for plantation are being selected according to the working plan of the concerned forest division. Mostly broad leaves species are preferred. The procurement agency for forestry related activities is Van Panchayat.

## INDICATIVE LIST OF LIVELIHOOD ACTIVITIES FOR VULNERABLE INDIVIDUAL AND GROUPS

### Individual

- |                |                               |
|----------------|-------------------------------|
| ❖ Dairy Unit   | ❖ Shops (for technical works) |
| ❖ Black Smithy | ❖ Poultry                     |
| ❖ Carpentry    | ❖ Artisan                     |
| ❖ Cobbler      | ❖ Atta/ Masala Chakki         |
| ❖ Barber       | ❖ Plumber/ Electrician        |
| ❖ Tailoring    | ❖ Others -                    |
| ❖ Beekeeping   |                               |

### Groups Activities

- |                                     |                    |
|-------------------------------------|--------------------|
| ❖ Band Party/Cultural Group         | ❖ Goatary          |
| ❖ Tent house                        | ❖ Dairy Unit       |
| ❖ Fruit preservation/ pickle making | ❖ Pine Briquetting |
| ❖ Fiber Works/ Handicraft           | ❖ Gharat Operation |
| ❖ Mushroom Cultivation              | ❖ Tailoring        |
|                                     | ❖ Others           |

## DETAILS OF UDWDP PHASE- II PROJECT AREA (LIST OF GRAM PANCHAYATS)

DISTRICT : ALMORA											
ASSEMBLY CONSTITUENCY- JAGESHWAR											
DEVELOPMENT BLOCK- DHAULADEVI										BLOCK- BARECHINA	
	GP Name		GP Name		GP Name		GP Name		GP Name		GP Name
1	Dhar	19	Mantola Gunth	37	Bhagartola	55	Walikhet	73	Arasalpad	1	Kunjkimola
2	Dhaspar <sup>1</sup>	20	Madam <sup>1</sup>	38	Papoli	56	Velak <sup>1</sup>	74	Aati <sup>1</sup>	2	Jingal
3	Dhura <sup>1</sup>	21	Manu	39	Papgad	57	Chamuva Khalsa	75	Anoli	3	Nyuli
4	Khaudi <sup>1</sup>	22	MeltaJol	40	Pokhari <sup>1</sup>	58	Chamtola <sup>1</sup>	76	Gauli		
5	Kheti <sup>1</sup>	23	Melgaon	41	Pali <sup>1</sup>	59	Chauda	77	Gunaditya		
6	Basan <sup>1</sup>	24	Matkanya <sup>1</sup>	42	Paldi Gunth <sup>1</sup>	60	Chaundungari <sup>1</sup>	78	Garar Malla <sup>1</sup>		
7	Basoli <sup>1</sup>	25	Malad	43	Padai	61	Chagethi	79	Garar talla		
8	Bajela	26	Thali <sup>1</sup>	44	Raul	62	Chalthi	80	Galli		
9	Kachiyola	27	Sindhiya Malla <sup>1</sup>	45	Sukana	63	Faltiya <sup>1</sup>	81	Lweta Ladfoda		
10	Kabhari <sup>1</sup>	28	Sirola	46	Seli	64	Farakholi	82	Tank		
11	Kaphali <sup>1</sup>	29	Diyar Kholi <sup>1</sup>	47	Daseeli <sup>1</sup>	65	Fulai Jageshwar <sup>1</sup>	83	Chalthi Lagga		
12	Kola	30	Virkola	48	Dungra	66	Falyant <sup>1</sup>		Kachhiyola		
13	Kana	31	Chitola	49	Dashaula Badiyar <sup>1</sup>	67	Tarkot	84	Chausala		
14	Kaserman ya	32	Chill	50	Dodam Paloli	68	Jajar	85	Ladholi <sup>1</sup>		
15	Kunja Gunth	33	Jigolitoli	51	Dauligad <sup>1</sup>	69	Nayal Dhura	86	Chauna Bhanar		
16	Kumar <sup>1</sup>	34	Bhaisadi	52	Dunar	70	Nainoli	87	Kotuli Gonth		
17	Kalauta	35	Bhaita Badoli <sup>1</sup>	53	Dyotoli Gunth <sup>1</sup>	71	Nailpad				
18	Mayoli	36	Bhanoli <sup>1</sup>	54	Danya <sup>1</sup>	72	Andoli				

**DISTRICT : BAGESHWAR****ASSEMBLY CONSTITUENCY- KAPKOT****DEVELOPMENT BLOCK- KAPKOT**

	GP Name		GP Name		GP Name		GP Name
1	Pothing	13	Saling	25	Chaura <sup>1</sup>	37	Badi Panyali
2	Chira Bagar	14	Sumgarh	26	Pethi	38	Ramadi
3	Toli	15	<b>Sooding</b>	27	Kafali Kamera	39	Keemu
4	Dobad	16	Rikhari <sup>1</sup>	28	Bhanar	40	Gogina
5	Dhovati	17	Gasi <sup>1</sup>	29	Lathi	41	Malkh Dugarcha <sup>1</sup>
6	Baghar	18	Lahoor	30	Majhket <sup>1</sup>	42	Rateerkethi
7	Karmi	19	Soopi	31	Chucher	43	Hamti Kapadi
8	Dulam	20	Tarsal Patiyasar	32	Nanchi Cheta Bagar		
9	Barait	21	Mikila Khalpatta <sup>1</sup>	33	Sukhchauna		
10	Naukudi	22	Jhuni	34	Kismila <sup>1</sup>		
11	Seeri	23	Khaljhuni <sup>1</sup>	35	Kalapair Kapdi <sup>1</sup>		
12	Sama	24	Harkot <sup>1</sup>	36	Leeti		

**DISTRICT : PITHORAGARH****ASSEMBLY CONSTITUENCY- DHARCHULA****ASSEMBLY CONSTITUENCY- DIDIHAT****DEVELOPMENT BLOCK- MUNSHYARI****DEVELOPMENT BLOCK- DIDHAAT**

	GP Name		GP Name		GP Name		GP Name
1	Bansbagar <sup>1</sup>	17	Sini	29	Bhainsudi Talli	45	Barambachkyudi <sup>1</sup>
2	Khet Bharad	18	Rimuniya	30	Khiri	46	Kholimali <sup>1</sup>
3	Kotuda	19	Napad <sup>1</sup>	31	Masmoli	47	Baltir <sup>1</sup>
4	Hupli	20	Hokara	32	Ghingtadr	48	Bhadgaon
5	Dhamigaon	21	Gaula	33	Digauti	49	Atalgaon <sup>1</sup>
6	Gunthi	22	Khoyam	34	Kumalgaon	50	Ranikhet
7	Talla Bhainskot	23	Dekuna	35	Kukrauli	51	Chupdakhet
8	Nachini	24	Kimkhet	36	Turgoli <sup>1</sup>	52	Varshayat <sup>1</sup>
9	Dhami Phalyati	25	Tejam	37	Dyokali <sup>1</sup>	53	Hunera
10	Ghatghorgadi	26	Boragaon <sup>2</sup>	38	Daulikauli	54	Bagjiwala
11	Malla Bhainskot <sup>1</sup>	27	Bhanskhal <sup>1</sup>	39	Leparti <sup>1</sup>	55	Ghimali
12	Chami Bhainskot <sup>1</sup>	28	Kwitee	40	Satyal Gaon	56	Malajhula
13	Bansani <sup>1</sup>			41	Sata	57	Lejam <sup>1</sup>
14	Bathi Gunth			42	Athkhet <sup>1</sup>	58	Almiyagaon <sup>1</sup>
	<b>GP Name</b>		<b>GP Name</b>		<b>GP Name</b>		<b>GP Name</b>
15	Bara			43	Batyuli	59	Dhungethi <sup>1</sup>
16	Khatera			44	Marh <sup>1</sup>	60	Chama

ASSEMBLY CONSTITUENCY- GANGOLIHAT							
DEVELOPMENT BLOCK- BERINAG							
61	Sunethi <sup>2</sup>	62	Balyaun	63	Lachhima	64	Udisirtoli

DISTRICT : PAURI							
ASSEMBLY CONSTITUENCY- CHAUBATTAKHAL							
DEVELOPMENT BLOCKS- EKESHWAR & POKHDA							
	GP Name		GP Name		GP Name		GP Name
1	Bharpur <sup>1</sup>	17	Nandoli	33	Syoli	49	Sangalakothe
2	Tachhwar	18	Kaghtun	34	Badoli <sup>1</sup>	50	Kasyani
3	Gwar Malla	19	Malai <sup>1</sup>	35	Odgaon <sup>1</sup>	51	Melgaon
4	Gwar Talla	20	Ulkheth	36	Naie	52	Masmole
5	Katholi	21	Gorli	37	Malkot	53	Divrare Malli
6	Kulasu	22	Chaidhar Malla	38	Mald Bara	54	Bhaduli
7	Patal Gonth	23	Binjoli <sup>1</sup>	39	Dalmarha	55	Bagdegad <sup>1</sup>
8	Nav	24	Kurkhyal	40	Giwani	56	Ghadiyal <sup>1</sup>
9	Raidu <sup>1</sup>	25	Bhadmoli <sup>1</sup>	41	Bondhar	57	Saknaule
10	Simar	26	Gurad Malla	42	Chopra	58	Pokhra <sup>1</sup>
11	Uchakot	27	Gurad Talla <sup>1</sup>	43	Salar	59	Beena Malli
12	Cham Bada	28	Halai	44	Jhalpade	60	Beena Gad
13	Jantoli Talli <sup>1</sup>	29	Kandai <sup>1</sup>	45	Gadri	61	Beena Dhar
14	Jantoli Malli	30	Latibuo	46	Duila Talla	62	Aslot
15	Bamoli	31	Maletha	47	Bhairgaon	63	Gadri Kola
16	Era Malla <sup>1</sup>	32	Raisoli Talli <sup>1</sup>	48	Vorgaon	64	Paniya

DISTRICT : RUDRAPRAYAG							
ASSEMBLY CONSTITUENCY- KEDARNATH AND AGASTYAMUNI							
DEVELOPMENT BLOCK- JAKHOLI				DEV.B. - UKHIMATH		DEV.B. - AGASTYAMUNI	
	GP Name		GP Name		GP Name		GP Name
1	Bashta	23	Chopra	45	Andrawani	56	Barmwadi
2	Dharayanj	24	Pauthi	46	Guptkashi	57	Chandrapuri <sup>1</sup>
3	Dobha	25	Nanadwan Gaon	47	Bhaisari	58	Dalsingi
4	Dobliya	26	Chaura <sup>1</sup>	48	Sankari	59	Pali
	GP Name		GP Name		GP Name		GP Name
5	Kirora <sup>1</sup>	27	Khaliyan	49	Lwani <sup>1</sup>	60	Falai <sup>1</sup>
6	Sem <sup>1</sup>	28	Pulan	50	Devlimanigram <sup>1</sup>	61	Dadoli
7	Jakholi	29	Sirwadi	51	Lwara <sup>1</sup>	62	Silla
8	Dangwalgaon	30	Dharkudi	52	Tulanga	63	Hat
9	Utarsu	31	Kothiyara	53	Lambgaudi	64	Singhata

10	Munnadevel	32	Rahad	54	Phali Pasalat		
11	Chaka	33	Mawangaon	55	Devar		
12	Dangi	34	Kot				
13	Arkhud	35	Gaithana				
14	Kimara	36	Badhani				
15	Kudiadoli	37	Jakhwadi				
16	Rayadi	38	Liswalta				
17	Syur	39	Bhimli				
18	Nag	40	Kandali				
19	Barsir <sup>1</sup>	41	Dharkot <sup>1</sup>				
20	Bajwar	42	Kurchhola				
21	Panjana	43	Jakhnoli				
22	Bhatwari	44	Jaili				

<b>DISTRICT : UTTARKASHI</b>							
<b>ASSEMBLY CONSTITUENCY- PURAULA</b>							
<b>DEVELOPMENT BLOCK- PURAULA</b>				<b>DEV.B. - MORI</b>		<b>DEV.B. - NAUGAON</b>	
	<b>GP Name</b>		<b>GP Name</b>		<b>GP Name</b>		<b>GP Name</b>
1	Chandeli	21	Khdkasem	33	Devra <sup>1</sup>	44	Bigradi
2	Panigaon <sup>1</sup>	22	Kandyalgaon	34	Haltadi	45	Gauna <sup>1</sup>
3	Hodeli	23	Naagjhala <sup>1</sup>	35	Pensar <sup>1</sup>	46	Eedak
4	Binai <sup>1</sup>	24	Mahargaon	36	Pokhri	47	Gadoli <sup>1</sup>
5	Kantari	25	Pora	37	Kunara <sup>1</sup>	48	Kanda <sup>1</sup>
6	Sweel <sup>1</sup>	26	Kumola <sup>1</sup>	38	Dobhalgaon	49	Kud
7	Thadung	27	Pujeli <sup>1</sup>	39	Devjani	50	Masu
8	Chaptadi <sup>1</sup>	28	Korna	40	Kharsadi	51	Kotla
9	Netri	29	Khablisera	41	Khedmi	52	Khansi
10	Karda	30	Nauri	42	Nanai	53	Manjiyali
11	Khaladi <sup>1</sup>	31	Westpalli	43	Bhigsari <sup>1</sup>	<b>ASSEMBLY CONSTITUENCY- YAMUNOTRI DEV.B. - NAUGAON</b>	
12	Mairana	32	Syalunka				
13	Thakda					54	Guladi
14	Purola					55	Thanki
15	Kureda <sup>1</sup>					56	Dharali
	<b>GP Name</b>						<b>GP Name</b>
16	Ghyura					57	Palar
17	Shrikot <sup>1</sup>					58	Seedak
18	Koti					59	Biyali
19	Devdhunga <sup>1</sup>					60	Bakhrati
20	Madh					61	Koti Banal

**DISTRICT : DEHRADUN****ASSEMBLY CONSTITUENCY- CHAKARATA**

<b>DEVELOPMENT BLOCK- CHAKARATA</b>				<b>DEVELOPMENT BLOCK- KALSI</b>			
	<b>GP Name</b>		<b>GP Name</b>		<b>GP Name</b>		<b>GP Name</b>
1	Kandar	18	Kandi Chamagatha	34	Hajta	50	Panjiya
2	Sawara	19	Kandoi Bandar	35	Dilau	51	Sakni
3	Baniyana	20	Mothi	36	Timara	52	Tilwadi
4	Ravna	21	Chhultad	37	Ara	53	Kalsi
5	Mehrawana	22	Batad Chauntad	38	Tipau	54	Thana
6	Buraswa <sup>2</sup>	23	Dhaura Pudiya	39	Chandeu	55	Thungara
7	Sujau	24	Guthad	40	Supau	56	Nithala
8	Mohana	25	Lakhamandal	41	Jismau Gharana	57	Rikhad
9	Khatuwa	26	Myuda	42	Ubhreu	58	Birmoi
10	Kharsi	27	Kunna	43	Suryou		
11	Manuwa	28	Maletha	44	Kharaya		
12	Punh Pokhri	29	Manjgaon	45	Haripur		
13	Bijnu <sup>1</sup>	30	Samong	46	Byas Nahri		
14	Sidi Barkoti	31	Jogiyo	47	Byas Bhund		
15	Rangau	32	Thanta	48	Bansar		
16	Birpa	33	Mendal <sup>1</sup>	49	Chutaya		
17	Kurad Khanad Sichad						

<b>DISTRICT : TEHRI</b>							
<b>ASSEMBLY CONSTITUENCY- DHANAULTI</b>							
<b>DEVELOPMENT BLOCK- JAUNPUR</b>							
	<b>GP Name</b>		<b>GP Name</b>		<b>GP Name</b>		<b>GP Name</b>
1	Muglodi	21	Khyarsi	41	Pali <sup>1</sup>	61	Bandasari
2	Digaun	22	Bichhu	42	Timyal Gaon <sup>1</sup>	62	Mair <sup>1</sup>
3	Tewa	23	Takarna	43	Sartali	63	Pantwari
4	Bangsil <sup>1</sup>	24	Chamasari	44	Ghaniyala	64	Ghora Khuri <sup>1</sup>
5	Budkot	25	Gaid	45	Bel <sup>1</sup>	65	Masras
6	Moldhar	26	Agariyana	46	Bodari	66	Mogi
7	Auntar	27	Lagrasu	47	Khaskudau	67	Masaun <sup>1</sup>
8	Tik <sup>1</sup>	28	Mawana	48	Dwargarh	68	Khairad <sup>+</sup> <sup>1</sup>
9	Khera <sup>1</sup>	29	Kanda Jakh	49	Sadav	69	Tator
10	Bhunyasari <sup>1</sup>	30	Kimoi	50	Rampur Nigyana	70	Thakraul
11	Shirsh	31	Jinsi <sup>1</sup>	51	Binau	71	Tikri <sup>1</sup>
12	Mundani <sup>1</sup>	32	Tunetha	52	Gharad <sup>1</sup>	72	Birod
13	Thatyud	33	Siya Kempti	53	Srikot	73	Nakot
14	Papra <sup>1</sup>	34	Nawadidhar <sup>1</sup>	54	Bhatwari	74	Matli
15	Aglad Sera	35	Lagwal Gaon	55	Basangaon	75	Devban
16	Parori	36	Rayatgaon	56	Bistonsi	76	Ghansi
17	Kyari	37	Bhediya	57	Khasonsi	77	Kadaksari <sup>1</sup>
18	Lalotna	38	Bhatoli <sup>1</sup>	58	Bamangaon	78	Myani
19	Bangar	39	Banglow ki Kandi	59	Khaskoti		
20	Chhanan Gaon	40	Sainji	60	Sendul		

<b>DISTRICT : DEHRADUN, MODEL MICRO WATERSHED - BIDHALNA</b>			
<b>ASSEMBLY CONSTITUENCY- DOIWALA</b>			
<b>DEVELOPMENT BLOCK- RAIPUR</b>			
	<b>GP Name</b>		<b>GP Name</b>
<b>1</b>	Thano	5	Sangoan
<b>2</b>	Dharkot	6	Sindwalgaon
<b>3</b>	Talai	7	Haldwadi
<b>4</b>	Nahikhurd		

\*- The number and area of micro watersheds are legal covenant, thus unalterable.

\*\* - Based on preliminary survey, area selection is approved by World Bank and Government. The number of Gram Panchayats and Development Blocks could be changed after the actual survey on the basis of area selection criterion.

- 1- Gram Panchayats selected under SCSP program, which includes such revenue villages.
- 2- Gram Panchayats selected under TSP program, which includes such revenue villages.