

Implementation Status & Results
India
Uttaranchal Decentralized Watershed Development Project (P078550)

Operation Name: **Uttaranchal Decentralized Watershed Development Project (P078550)** Project Stage: **Implementation** Seq.No: **19** Status: **ARCHIVED** Archive Date: **14-Dec-2012**

Country: **India** Approval FY: **2004**
 Product Line: **IBRD/IDA** Region: **SOUTH ASIA** Lending Instrument: **Specific Investment Loan**
 Implementing Agency(ies): **Watershed Management Directorate**

Key Dates

Board Approval Date	20-May-2004	Original Closing Date	31-Mar-2012	Planned Mid Term Review Date	17-Nov-2008	Last Archived ISR Date	17-Jun-2012
Effectiveness Date	10-Sep-2004	Revised Closing Date	31-Mar-2012	Actual Mid Term Review Date	27-Nov-2008		

Project Development Objectives

Uttaranchal Decentralized Watershed Development Project (P078550)

Project Development Objective (from Project Appraisal Document)

The project development objective is: to improve the productive potential of natural resources and increase incomes of rural inhabitants in selected watersheds through socially inclusive, institutionally and environmentally sustainable approaches

Has the Project Development Objective been changed since Board Approval of the Program?

Yes No

Sustainable Land, Water and Biodiversity Conservation and Management for Improved Livelihoods in Uttarakhand Watershed Sector (P112061)

Global Environmental Objective (from Project Appraisal Document)

The proposed additional financing from GEF of US\$7.49 million aims at scaling-up and mainstreaming the outcome of the activities under Uttarakhand Decentralized Watershed Management Project (UDWDP) and with the aim of enhancing the sustainability by restoring and sustaining ecosystem functions and biodiversity while simultaneously enhancing income and livelihood functions. The lessons learned from these activities will be up-scaled and Mainstreamed at state and national levels.

Has the Global Environmental Objective been changed since Board Approval of the Program?

Yes No

Component(s)

Component Name	Component Cost
(1) PARTICIPATORY WATERSHED DEVELOPMENT AND MANAGEMENT	56.00
(2) ENHANCING LIVELIHOOD OPPORTUNITIES	15.00
(3) INSTITUTIONAL STRENGTHENING	17.00

Overall Ratings

	Previous Rating	Current Rating
Progress towards achievement of PDO	Satisfactory	Satisfactory
Progress towards achievement of GEO	Satisfactory	Satisfactory
Overall Implementation Progress (IP)	Satisfactory	Satisfactory
Overall Risk Rating		

Implementation Status Overview

The SLEM project is linked to the Uttaranchal Decentralised Watershed Development Project which closed on March 31, 2012. The SLEM project however will close 18 months later. The parent project has been consistently achieving and in some cases exceeding the targets, successfully reversing the water scarcity to surplus in the project GPs, with an increase of the average discharge rate from 5-8 LPM to about 18 LPM, providing renewable water for irrigation and domestic use. Such reversed trend is contributing visibly to new the livelihood opportunities in the project areas. The SLEM project aims to further consolidate the benefits accrued from the parent project.

Locations

Country	First Administrative Division	Location	Planned	Actual
India	Uttarakhand	Uttarkashi		
India	Uttarakhand	Rudraprayag		
India	Uttarakhand	Pithoragarh		
India	Uttarakhand	Lohaghat		
India	Uttarakhand	Karnaprayag		
India	Uttarakhand	Kapkot		
India	Uttarakhand	Kalsi		
India	Uttarakhand	Gangolihat		
India	Uttarakhand	Dwarikhal		
India	Uttarakhand	Dwarahat		
India	Uttarakhand	Chaukhutia		
India	Uttarakhand	Bhikia Sain		
India	Uttarakhand	Bageshwar		
India	Uttarakhand	State of Uttarakhand		
India	Uttarakhand	Gairgaon		
India	Uttarakhand	Jaiharikhal		

Results

Project Development Objective Indicators

No PDO Indicators have been entered for the project.

Global Environmental Objective Indicators

Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Number of Micro watershed management plans completed and under implementation	<input type="checkbox"/>	Number	Value	20.00	20.00	20.00
			Date	15-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments	Preparation of 20 innovative Micro-plans using innovative SLEM techniques	Under the SLEM project, preparation of 20 Micro-plans were completed during the first year of implementation. These plans were also updated during the 2nd year of implementation.	
10% increase in livelihood opportunities in treated areas	<input type="checkbox"/>	Percentage	Value	0.00		10.00
			Date	30-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments		At present a total of 341 SHGs are practicing alternate livelihood options of these 70 SHGs are marketing Pine Briquettes actively, 67 SHGs are practicing sustainable livelihood through Gharat operation, 25 SHGs are using alternative energy generation through Bio-gas plants and 179 FIGs have been formed for cultivation of medicinal and aromatic plants.	

Intermediate Results Indicators

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Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Sustainable Watershed Management mainstreamed into 20 MWS plans including parts of watersheds for which two or more GPs have shared governance responsibility;	<input type="checkbox"/>	Percentage	Value	0.00	60.00	60.00
			Date	30-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments		More than 60% of the total available resources have been utilized towards implementation of MWS plans.	
20-30% increase of area in targeted Micro-Watersheds under the improved SLEM techniques	<input type="checkbox"/>	Percentage	Value	0.00		20.00
			Date	30-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments		1133.00 ha <ul style="list-style-type: none"> In the target MWS 1084 ha. area was proposed for treatment under forestry activities. Out of which 651 ha. has been treated by the project. 128 ha. area has been protected through various soil and moisture conservation activities. In approx. 354 ha. area moisture regime has improved through various water harvesting interventions. 	1566.00 ha
Increase in vegetative cover by 10% in the treated 20 MWS	<input type="checkbox"/>	Percentage	Value	0.00		10.00
			Date	10-Sep-2004	31-Oct-2012	31-Aug-2013
			Comments	Satellite data available on long-tat defined parcels c/o scientific institutions.	already exceeded the target in all 20 microwatersheds	
Implementation of 5 to 10 alternative technologies and approaches for enhancing water availability for agriculture and other domestic use	<input type="checkbox"/>	Number	Value	0.00	5.00	5.00
			Date	30-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments		Following technologies and approaches for enhancing water availability for agriculture and other domestic use are being implemented. 1. Recharge pits	5-10

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					2. Water storage tanks 3. Percolation tanks 4. Use of Sprinklers 5. Drip irrigation	
Reduction in dependency of 2000 households on forest for fuel wood	<input type="checkbox"/>	Percentage	Value	0.00		20.00
			Date	30-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments		3000 households have partly switched to use of Pine Briquette stove reducing their dependency on forest for fuel wood.	
At least 20% of targeted households enter market with pine briquettes (produced from pine needles).	<input type="checkbox"/>	Percentage	Value	0.00		20.00
			Date	30-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments		70 SHGs of pine briquetting have entered into marketing of the produce	
10% increase in opportunities for sustainable alternative livelihoods (Non farm based livelihood options)	<input type="checkbox"/>	Percentage	Value	0.00		10.00
			Date	30-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments		70 SHGs are marketing Pine Briquettes actively. 67 SHGs are practicing sustainable livelihood through Gharat operation. 25 SHGs are using alternative energy generation through Bio-gas plants. 179 FIGs have been formed for cultivation of medicinal and aromatic plants.	
Increase in direct and indirect evidence of presence of key species of flora and fauna in 20 MWS.	<input type="checkbox"/>	Percentage	Value	0.00		5.00
			Date	30-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments		To be measured by an external consultant	
20% reduction in incidence of fire in treated MWS	<input type="checkbox"/>	Percentage	Value	0.00	15.00	20.00
			Date	30-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments		In the treated MWS the fire incidences have reduced from 15 average annual incidents to 11. In terms of area affected it has reduced from 28.8 ha. to 11.25ha. annually.	

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Cultivation of at least 5 local medicinal and aromatic plants by communities in 20 micro watersheds	<input type="checkbox"/>	Number	Value	0.00	9.00	5.00
			Date	30-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments		Cultivation of Curcuma longa, Cinnamomum tamala, Zingiber officinalis, Rauvolfia serpentina, Emblica officinalis, Asparagus racemosus, Aloe vera, Amomum subulatum and Withania somnifera is being done by communities in 20 micro watersheds.	
Study on impact of climate change on mountain ecosystems completed	<input type="checkbox"/>	Yes/No	Value	No	No	Yes
			Date	30-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments		Procurement process ongoing. Negotiation with consultant on 4th April 2012	
Formulation of strategy for managing impact of climate change in mountain ecosystems at the end of the project	<input type="checkbox"/>	Yes/No	Value	No	No	Yes
			Date	30-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments			
At least 5 to 10 improved and innovative techniques and approaches documented, disseminated and up-scaled within the Uttarakhand state	<input type="checkbox"/>	Number	Value	0.00	4.00	5.00
			Date	30-Nov-2009	31-Oct-2012	31-Aug-2013
			Comments		Following improved and innovative techniques and approaches documented, disseminated and up-scaled within the Uttarakhand state. 1. Pine Briquetting 2. Cultivation of Medicinal and Aromatic Plants 3. Use of non conventional energy resources. 4. Use of IPM & IPNM	5-10

Data on Financial Performance (as of 29-Aug-2012)

Financial Agreement(s) Key Dates

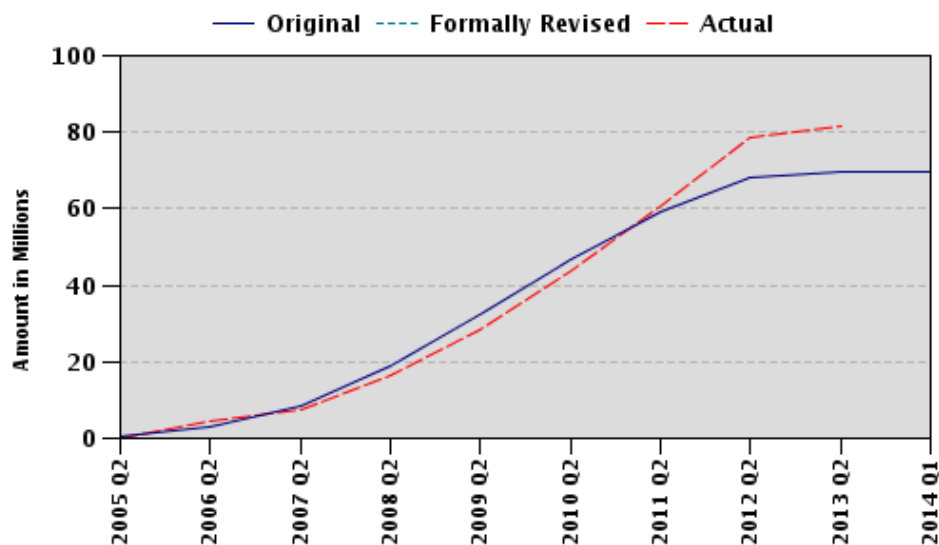
Project	Ln/Cr/Tf	Status	Approval Date	Signing Date	Effectiveness Date	Original Closing Date	Revised Closing Date
P078550	IDA-39070	Closed	20-May-2004	30-Jul-2004	10-Sep-2004	31-Mar-2012	31-Mar-2012

Project	Ln/Cr/Tf	Status	Approval Date	Signing Date	Effectiveness Date	Original Closing Date	Revised Closing Date
P078550	IDA-48500	Closed	11-Jan-2011	17-Mar-2011	20-May-2011	31-Mar-2012	31-Mar-2012
P112061	TF-94443	Effective	26-Aug-2009	26-Aug-2009	12-Nov-2009	31-Aug-2013	31-Aug-2013

Disbursements (in Millions)

Project	Ln/Cr/Tf	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P078550	IDA-39070	Closed	USD	69.62	65.92	3.70	69.42	0.00	105.00
P078550	IDA-48500	Closed	USD	7.98	6.09	1.89	6.00	0.00	99.00
P112061	TF-94443	Effective	USD	7.49	7.49	0.00	5.93	1.56	79.00

Disbursement Graph



Key Decisions Regarding Implementation

The next implementation support mission has been planned in January 2013. The implementation status will be updated accordingly after the mission.

Restructuring History

Level two Approved on 21-Jan-2011

Related Projects

P112061-Sustainable Land, Water and Biodiversity Conservation and Management for Improved Livelihoods in Uttarakhand Watershed Sector, P124354-Uttarakhand Decentralized Watershed Project Additional Financing