

# Uttarakhand Decentralized Watershed Development II

2014 - PRESENT

**World Bank**

**State of Uttarakhand**

**Watershed Management Directorate (WMD), Uttarakhand**

India

---

## NATURE BASED SOLUTIONS

forests

The objective of the Uttarakhand Decentralized Watershed Development Project (II) 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. To this end, the Government of India and the State of Uttarakhand have requested World Bank funds to further the four components of the project, i) Social Mobilization and Participatory Watershed Planning, ii) Watershed Treatment and Rainfed Area Development, iii) Enhancing Livelihood Opportunities, and iv) Knowledge Management and Project Coordination. Under the watershed treatment component, nature-based solutions will be used to address water supply and drought. These nature-based and complementary measures included: (a) the 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).

[LEARN MORE](#)

<http://projects.worldbank.org/P131235/uttarakhand-decentralized-watershed-development-project-phase-ii?lang=en>

---

#### INTERVENTION

Green

#### HAZARD

landslides & erosion  
drought

#### SCALE

Regional

#### RISK REDUCTION BENEFITS

slope stabilization, soil composition maintained, groundwater recharge & water table stabilization

#### DONORS

World Bank

#### EST. MONETARY COST

(TODAY'S US\$)

**62.8**

#### EST MONETARY BENEFITS

**Unknown**

---