Water Use Master Plan of Kamalbazar Municipality, Achham, Sudur Paschim

Area: 120.78 Sq.Km
Population: 30,400
Households: 4574
Settlements: 176

Water Resources Inventory

Water Use Master Plan

Kamalbazar Municipality has no physical scarcity of water to meet the various demands of its citizens. However, the economic water scarcity is a challenge. The current investment gap is too huge to meet all demands within the municipality; therefore, a planned and prioritized intervention was undertaken by the municipality as a sustainable way of optimizing the utilization of water resources through formulation of a Water Use Master Plan (WUMP) for the period of 2019/20-2024/25. The WUMP was prepared under the leadership of the municipal WASH Coordination Committee chaired by the Mayor with the support of the Ward WASH Coordination Committees headed by the Ward Chairs. The plan was developed at two levels i.e. ward level schemes and their prioritization that are within the capacity of the ward offices, and municipal level schemes and their prioritization that are beyond the capacity of ward offices for implementation. The goal of the WUMP is:

Ensure basic drinking water and sanitation for all citizens and create additional opportunities for income generation through conservation, multiple use and equitable distribution of available water resources within the municipality.
WUMP strategies

**WASH**
- Basic level drinking water for all, one house one tap,
- Water safety plan in all water schemes, water quality
- Upgrading temporary household toilets into permanent ones
- Functional toilets in all public places and institutions
- Total sanitation in all wards

**Irrigation**
- Expansion of irrigation facilities for increased agro-productivity

**Water Energy**
- Expansion of grid electricity through the promotion of micro-hydro plants
- Increased access to watermills for grinding grain

**Environment & Ecology**
- Increased awareness amongst citizens on Retention, Recharge and Reuse (3R) of water
- Increased resilience of community for climate change adaptation and disaster risk reduction

**Institutions**
- Users’ participation and financial contribution in implementation, with a mandatory operation and maintenance fund
- Users group registration and capacity building support for the registered group
- Good water governance through transparency, accountability and participation

**GESI**
- Proportional representation of women and socially discriminated ethnic/caste persons in all committees, at least one key position to be held by these groups.
- Capacity building activities targeted to women and socially discriminated people
- Women, child and disabled friendly infrastructures, focus on menstrual hygiene

### The targets for the plan period

**Planned and Prioritized Activities (Number of Schemes)**

- **New Drinking water scheme**: 73
- **New Irrigation scheme**: 52
- **New Micro-hydro plant**: 65
- **New Improved water mill**: 7
- **New Water energy**: 21
- **New Env & ecology**: 124

**Sectoral Investment Plan, million $**

- **WASH**: $1.60
- **Irrigation**: $0.63
- **Energy**: $0.40
- **Env & Ecology**: $0.20

**Total, $2.9**

**Annual Investment Plan, million $**

- **Year 0**: $0.10
- **Year 1**: $0.20
- **Year 2**: $0.30
- **Year 3**: $0.40
- **Year 4**: $0.50
- **Year 5**: $0.60

**Current Budget Trend**

**Investment Gap**

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