

Building Trust through Community Engagement: A Case from Nepal's Hydropower



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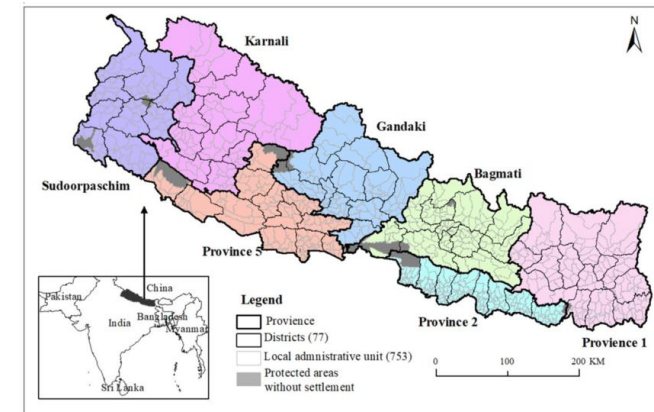
Presentation Outline

- ❖ **About Nepal**
- ❖ **Hydropower in Nepal: Key Facts**
- ❖ **Why Community Engagement?**
- ❖ **Case of Dudhkoshi Storage HEP (670 MW)**
- ❖ **Key Learnings**



NEPAL

- Landlocked Himalayan Country
- Country of Mt. Everest (8,848 m), Birthplace of Lord Buddha
- Rich in Natural and Cultural Diversity
- Elevation range: 60 m – 8848 m (S-N distance: 150-250 km)
- A developing country with significant infrastructure development needs





HYDROPOWER IN NEPAL : KEY FACTS

- 97% of Nepal's total electricity generation from Hydropower
- Potential of 83,000 MW; Feasible 43,000 MW
- Current Generation: 4,300 MW
- Target of GoN: 28,500 MW by 2035
- Challenges: Difficult mountainous terrain, Huge investment, Land acquisition, Social/environmental issues, Environmental clearance



Why Community Engagement Matters?

Some of the social challenges faced by the projects in Nepal

- Spread of misinformation, disinformation
- Community dissatisfaction and protests
- Distrust of public toward project authorities
- High expectations from the project communities
- Grievances related to land acquisition, fair compensation and impacts



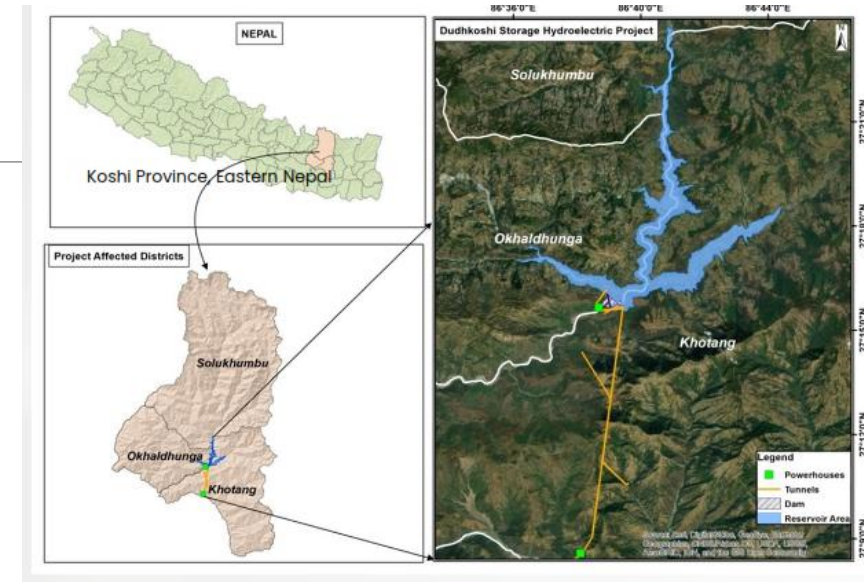
Trust Breakdown - Key Factors in Nepal

- Lack of transparent information disclosure
- Unfair and delayed compensation and rehabilitation
- Exclusion of affected people in decision making process
- Weak grievance handling mechanisms.
- Lack of clarity on benefit-sharing mechanism
- Lack of sense of ownership towards the project
- Other specific issues ...

**A Case of Community Engagement from the
Dudhkoshi Storage Hydroelectric Project
(DKSHEP)
Nepal**

Dudhkoshi Storage Hydroelectric Project (DKSHEP)- Introduction

- National Priority Project of GoN
- 670 MW Installed Capacity
- The river originates from the glaciers and high-altitude areas near Mt. Everest
- 220 m. high CFRD (Concrete-faced rock-fill dam)
- 19.6 km² reservoir area
- Design Discharge
Main PH 224.4 m³/s, Dam Toe PH 40 m³/s
- Average Annual Energy 3,423 GWh
- Est. Cost: USD 2.47 billion



DUDHKOSHI STORAGE HYDROELECTRIC PROJECT (670 MW)

PROJECT LAYOUT MAP





The Trust Challenges in DKSHEP

- ! Project delay
- ! Land acquisition notices published in the year 2021 and 2022
- ! Land freeze → No sale, No mortgage
- ! Compensation not yet determined and disbursed - but in the process
- ! Inadequate budget allocation from the Government of Nepal for the project work
- ! Infrastructure development has been withheld in the inundation area, upstream of the dam

Yet... continue support from the communities to the project



DKSHEP Approach

- Early, consistent, meaningful engagement
- Inclusive participation strengthening project acceptance
- Enhancing community trust and ownership
- Assurance of benefit sharing
- Timely redressal of the grievances



Key Stakeholder Engagement Activities in DKSHEP

- ❖ **Consultation Meetings**
- ❖ **Focus Group Discussions**
- ❖ **Public Awareness Programs**
- ❖ **Day-to-day Informal Talks**
- ❖ **Open discussion on delays, land freeze, e-flow, forest issues and other issues**
- ❖ **Grievances collection & handling**
- ❖ **Discussion on Free, Prior and Informed Consent (FPIC) from Indigenous Communities - Recently obtained**
- ❖ **Close Coordination with the Local Government Authorities**
- ❖ **Capacity Development Programs**
- ❖ **Support for Infrastructure Development and Rural Road Improvement**







How Was it Done?

1. Directly through the Project (2022–2026)

- ✓ With the establishment of **Environment and Social Management Unit (ESMU)** at the Project Site
(326 consultations engaging 5,586 participants)

2. Through other teams (Consultant) mobilized for specialized E&S related assignment (2018-2026)

- ❖ EA of the project & its components (100 consultations with 1,098 participants)
- ❖ FPIC/IPP- >150 consultations with 3698 IPs
- ❖ CIA Study (13 consultations with 128 participants)
- ❖ LAP, Assessment of LFL option, E-Flow assessment and others...

Community Engagement through ESMU (2022–2026)

Type	Number	Participants
Consultation Meetings	172	2,749
Focus Group Discussions (FGD)	116	1,326
Public Awareness Programs	38	1,511
Total	326	5,586

- 75% Male | 25% Female
- 57% Indigenous Peoples (IPs) – 3,192 participants
- 9% Dalit – 509 participants (marginalized caste groups)
- Inclusive, gender-responsive, IP-focused

Key Concerns from the Communities

Concerns	% of Sessions
Delays in compensation disbursement and project commencement	63%
Benefit sharing/ livelihood assurance	57%
Land freeze hardship	36%
Forest concerns	14%
Downstream e-flow concerns	9%



Trust Indicators

- ☐ Continued support from the communities, local government and other stakeholders
- ☐ Active participation in the project activities
- ☐ Obtained consent from the IPs (FPIC) for the project work
- ☐ No opposition to the project
- ☐ Demand for early project commencement with compensation disbursement

Key Learnings from DKSHEP Case of Nepal

- Community engagement is a key factor in building trust
- The misinformation and disinformation widespread in the community can be eliminated through meaningful engagement
- Early stakeholder engagement helps in managing the potential conflicts
- Trust can be maintained even during challenging phases
- Inclusive participation strengthens project acceptance
- Community engagement is essential for developing the sense of ownership towards the project



Let's continue the conversation!

Message me your questions or comments in the IAIA26 app.

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