

# SEED Himalaya – Water Wheel

Water Wheel Show Case Demonstrator

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#### **Project Description**

What is needed to achieve

technological, social, and economical feasibility

for decentralized renewable energy systems

in remote mountain communities in the Himalayas?





#### Water Wheel As Part Of The System









## Water Wheel Advantages

- Requires only a low head hight
- Modular design for maximum flexability
- Local manufacturing, maintenance and repair
- Robust, simple and cheap design
- Great suppliment to PV system
- Alternative to expensive Batteries
- Base load ability
- Already implemented and tested



۲	Federal Ministry for Economic Affairs and Oimate Action	Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection	IKI	۲	INTERNATIONAL CLIMATE INITIATIVE
on the by the	basis of a decision German Bundestag				



# Water Wheel Design

- Modular design based on cells, multiple cells form a wheel.
- Diameters from 1 to 2.2 meters can be manufactured.
- Multiple wheels in one setup to maximize power output







#### Water Wheel Dimensions









## Questions ?