

# Complete Community participation Projects

Community Participation in all phases-

- Pre construction,
- During construction
- Post construction

Best Practice

**Do it yourself and be self reliant**

# Role of Community

- Participation from inception onwards
- Contribution in cash or kind
- Form Core Group and select trained person for operation and maintenance or select persons who can be trained
- Ownership for sustenance of the project
- Work for new livelihoods

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## Before starting the project for hydropower Problems and challenges

Identified after discussions at village

- Wheat - inadequate milling facility
- Rice - no milling facility
- Millet - Inadequate milling facility
- Mustard - no milling facility
- Wool - no mechanized processing
- Milk - no processing facility
- Aromatic Plants - no processing facility
- Fuel for cooking - scarce and difficult to obtain
- Irrigation facilities - limited, power required to lift water
- News and information - dependent on 'word of mouth'
- Education in schools - poor quality as computer are not used, teachers do not like to stay in the village as the village is not electrified

# Map preparation by Transect



## Before starting the project for hydropower

Problems and challenges

Identified after discussions at village

### Survey of Manpower

#### Skilled Workers

- Carpenters
- Masons
- Electricians
- Mechanics
- Accountant
- Other vocational  
Skill workers
- Managers

#### Existing Quality of manpower

Semi skilled

Semi skilled

Unskilled

Unskilled

Unskilled

Unskilled/semiskilled

Unskilled

2

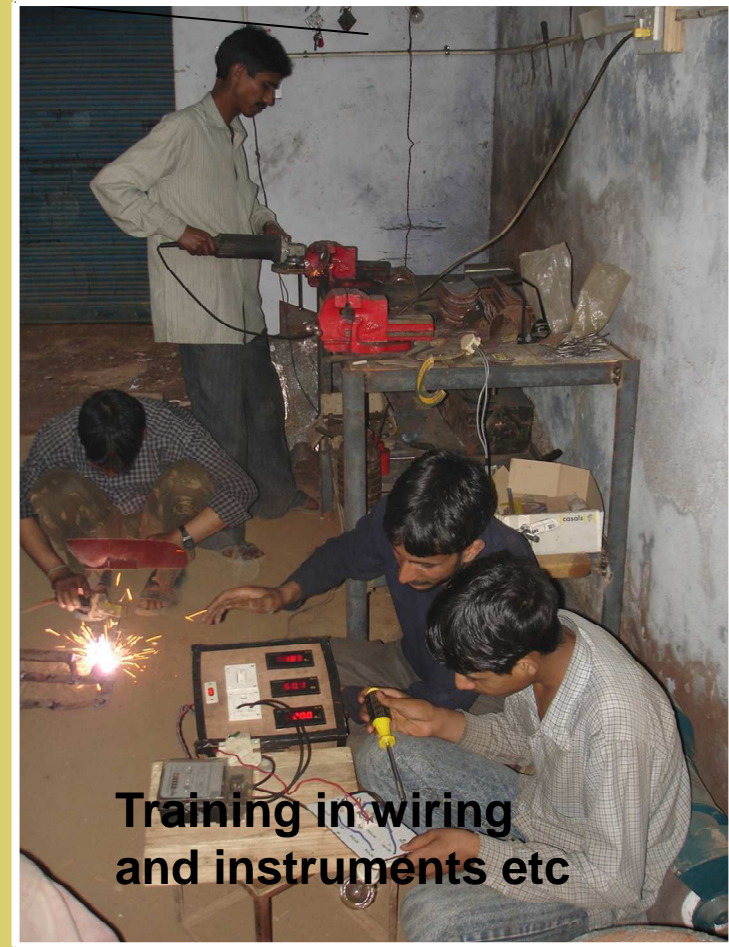
**Comprehensive capacity  
building is key to the  
success of isolated  
Community microhydro**



# Training programme

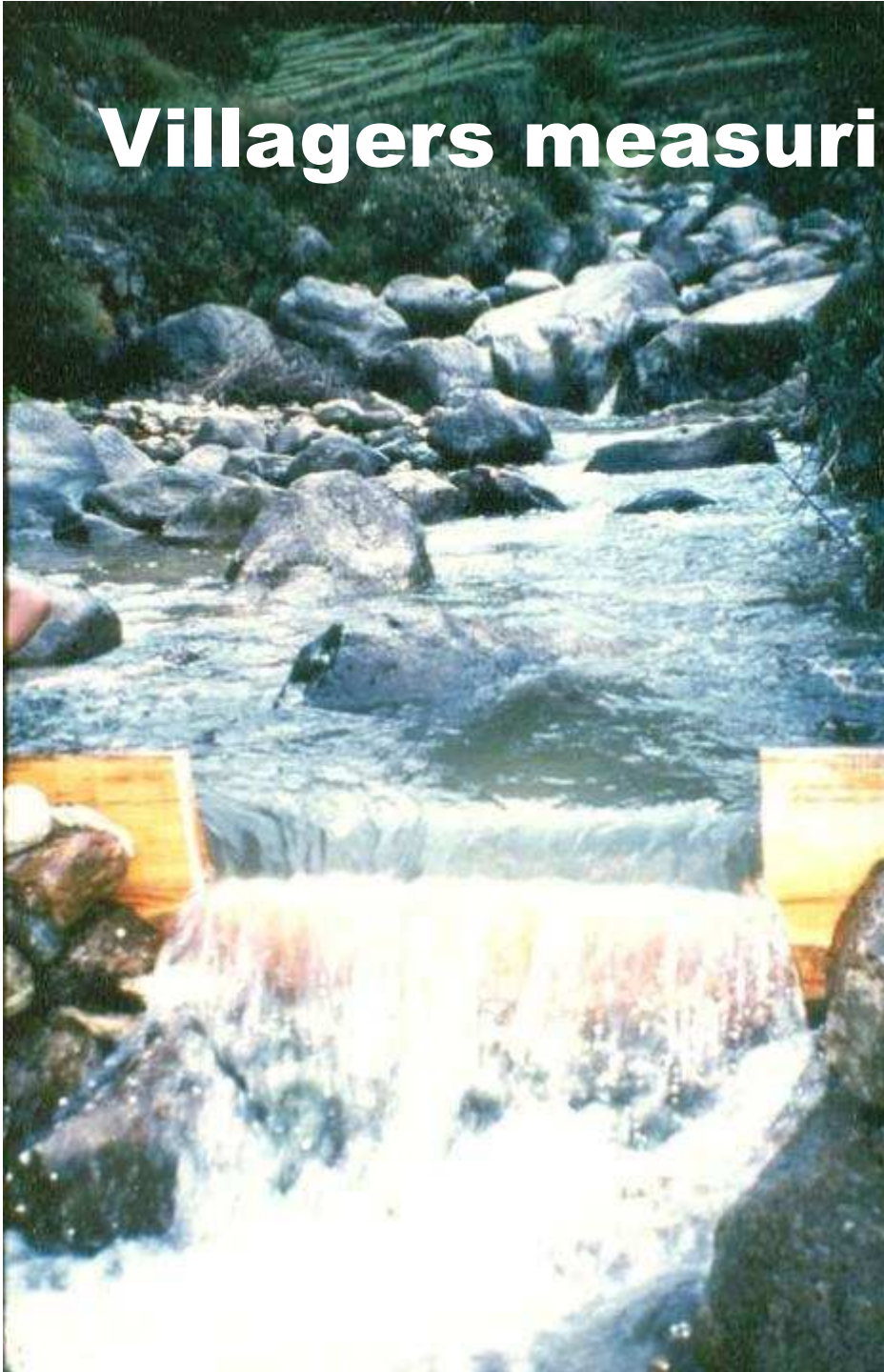


**Electro/mechanical tools**



**Training in wiring  
and instruments etc**

# Villagers measuring water discharge



# Community Participation

Nature of Participation and existing local capacity

## Community Participation

## Local Capacity

- |                                     |               |
|-------------------------------------|---------------|
| • Site selection and providing land | <b>High</b>   |
| • Contribution in cash or by labour | <b>Low</b>    |
| • Training and skill enhancement    | <b>Medium</b> |
| • Post construction Management      | <b>Medium</b> |
| • Maximising use of electricity     | <b>Low</b>    |
| • Ownership                         | <b>Medium</b> |

# **Basic Requirements for**

## **Community Owned And Managed Hydropower Schemes**

- 1. Local Organization with a strong core group**
- 2. Local Contribution**
- 3. Appropriate Technology**
- 4. Capacity Building**
  -  **Construction**
  -  **Maintenance**
  -  **Management**
  -  **Productive Application**
- 5. Maximum Use Of Power For Improving Quality of life and Livelihoods**
- 6. Sustainable Mechanism**