

**THE ONLY ONES WHO FAIL ARE THOSE WHO DO NOT TRY**

## TEST OPERATION OF MORIYALI KHOLA MICRO HYDRO PLANT

The test operation of Moriyali Khola Micro Hydro Plant of 17 kW at Pulleetola VDC in Achham district has been successfully completed on 8 Bhadra 2065 (24 August 2008). A total of 285 households of Pulleetola have been benefited by the scheme which covers ward no. 1,2,3,4,5 and 6 of the VDC.

The scheme was built at the cost of Rs. 4,784,000 of which Rs. 1,955,000 was supported as grant subsidy by AEPC/REDP followed by Rs. 1,300,000 for the canal construction by a national level NGO SAPPROS-Nepal Rs. 879,000 and Rs.100,000 as equity investments by VDC and DDC respectively and Rs. 550,000 as local labour and materials by the community members.

## ENERGY LINKAGES WITH THE MILLENNIUM DEVELOPMENT GOALS

**Goal 1: Eradicate Extreme Poverty and Hunger** – Energy inputs electricity and fuels are needed for agriculture, industrial activities, transportation, commerce and micro-enterprises. Most staple foods must be cooked, using some kind of fuel, to meet human nutritional needs

**Goal 2: Achieve Universal Primary Education** - Teacher are reluctant to go to rural areas without electricity, After dark, lighting is needed for studying. Many children, especially girls, do not attend primary schools because they have to carry wood and water to meet family subsistence needs.

**Goal 3: Promote Gender Equality and Empower Women** – Adult women are responsible for the majority of household cooking and water boiling activities. This takes time away from other productive activities. Without modern fuels and stoves and mechanical power for food processing and transportation women often remain in drudgery.

**Goal 4: Reduce Child Mortality** - Diseases caused by lack of clean water and respiratory illnesses caused by indoor air pollution related to the use of traditional fuel and stove, directly contribute to mortality in infants and children.

**Goal 5: Improve Maternal Health** - Lack of electricity in health clinics and lack of lighting for night time deliveries adversely affect women's health care. Daily drudgery and the physical burdens of fuel collection and transport also contribute to poor maternal health conditions especially in rural areas.

**Goal 6: Combat HIV/AIDS Malaria and other Diseases** - Electricity for radio and television can spread important public health information to combat deadly diseases. Health care facilities, doctors and nurses need electricity for lighting, refrigeration and sterilisation in order to deliver effective health service.

**Goal 7: Ensure Environmental Sustainability** - Energy production, distribution and consumption all have many adverse effects on the local, regional and global environment, including indoor air pollution, local particulates, land degradation, acid rain and global warming. Cleaner energy systems are needed to address all of these to contribute to environmental sustainability.

**Goal 8: Develop a Global Partnership for Development** - The world Summit for Sustainable Development called for partnerships among public entities, development agencies, civil society and the private to support sustainable development, including the delivery of affordable, reliable and environmentally sustainable energy services.

## FRUITS OF HARD LABOUR

The 35 kW Labdhi Khola II MHVEP of Gwalichowr VDC of Baglung district was commissioned on 2065-05-14 (31 August 2008). The scheme has directly benefited 300 HHs of ward nos.1,2,3,6,7 and 8. The important features of the project is that the tailrace water flow of Labdhi Khola I MHVEP (56 kW) of the same VDC is used to feed the headrace of this plant. The design head and flow of this scheme are 44 m and 160 lps respectively.. Universal Consultancy Services (UCS) of Kathmandu was the supplier and installer. Upon the electrification of the households, the villagers are found very happy. Though approved by TRC already in September 2005, the construction was slowed down due to the conflicts during the period. Now the fruitful result has come to the community with enjoyment and fulfillment.

