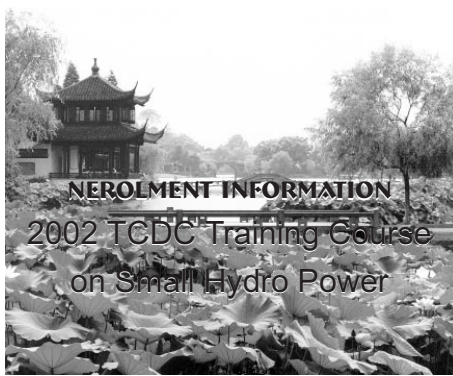


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H I G H L I G H T S



**ENROLMENT INFORMATION**  
2002 TCDC Training Course  
on Small Hydro Power

Sponsored by the UN and China, Hangzhou Regional Center for SHP (HRC) aims at promoting the SHP development in the world. China has most SHP stations. It has gained much experience in SHP development. In order to disseminate SHP technology, HRC has already held with success 34 training workshops for 580 participants from 60 countries.

- 1.Objectives:**To master the basic theory and principles of SHP development, feasibility study, operation, maintenance etc.
- 2.Date:**From 9 May to 18 June 2002, Hangzhou, P.R.China.
- 3.Venue:**Hangzhou Regional Center for SHP, Hangzhou, China.
- 4.Course Contents:**Procedures of SHP development, feasibility study, hydrological analysis, low-cost civil structure, turbo-generator, electric design, automation, economic evaluation, operation, maintenance. ....7

**Hydro-electrification in China's Rural Areas**



The installed capacity of hydropower stations rises rapidly, and in the whole country 800 counties are mainly depending on the electric power from small hydropower stations and their power grids. By the end of 2000, the installed capacity of hydropower from the water resources administrative bodies had amounted to 31.1GW, and the annual generation reached 94.5

billion kWh, among which, the installed capacity in rural regions was 27.51GW and the annual generation of 87.9 billion kWh. Correspondingly, the power grids configured with hydropower stations are swiftly developed, and over 800 county-level power grids and more than 40 trans-country grids have been set up, which extend more than 1 million km of transmission & dispatching lines. By the end of 2000, the estate of power generation & supply from the hydro authorities had risen to RMB 150 billion yuan, the yearly income from power sale amounted to RMB40 billion yuan, and RMB6.4 billion yuan exempted as the annual duties. The rural hydropower has already become the important basic infrastructures and the backbone of the agriculture & economic development in hilly rural districts. At present, about 1/2 of China's territory, which equals to 1/3 of all counties or 1/4 population, mainly depends on the electric energy from rural hydropower stations and the auxiliary power grids. In China, there are totally 48,000 medium & small hydropower stations built, which make more than 300 million residents accessible to electricity, and the preliminary hydro-electrification plays a key role in the economic development of the vast hilly poverty-stricken areas and minority-resided regions, improving the local living standards as well. ....8

- FRONT COVER:** Tiger Mountain Second Cascade SHP Station (25MW), Yunnan Province, China
- INSIDE FRONT COVER:**National Focal Points of Regional Network (ASIA-PACIFIC) for Small Hydro Power (RN-SHP)
- INSIDE BACK COVER:**HRC Scope Business
- BACK COVER:**HRC Domestic Engineering Design

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