

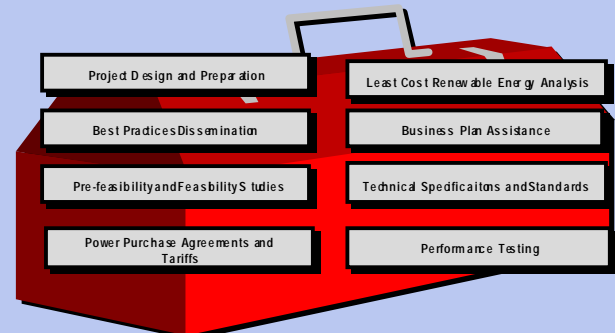
The World Bank :

Investing in Renewable Energy for Rural Development

The World Bank Group is Gearing Up in Renewable Energy

- ◆ Asia Alternative Energy Program (ASTAE) and Energy, Mining, and Telecommunications Sector Unit (EMT) support project preparation
- ◆ Solar Development Corporation (SDC) promotes PV development
- ◆ IFC-New Products Group promoting renewable energy business (REEF, PVMTI, and SME)
- ◆ GEF/Bank Strategic Alliance for Renewables forming
- ◆ Dedicated trust funds support renewable and rural energy project preparation.

The World Bank Group's Renewable Energy Toolbox



Renewable energy: making a difference in India

The India Renewable Energy Development Loan promotes the commercialization of renewable resources technologies; creates marketing and financing mechanisms for system sale and delivery; encourages private-sector investment in small-scale power generation; and promotes environmentally sound investments.

Small Hydro - To date, 22 small hydro power plants are in various stages of implementation (125 MW) with another 30 MW in development.

Wind - Thirteen wind farms (41 MW) have been financed. 900 MW of private wind capacity have been installed.

Solar Photovoltaics - The PV project pipeline consists of over 1200-kW_p capacity valued at over US\$13 million. Applications include lighting, hybrid systems, and grid-connected pumping.

Total World Bank/GEF support for the renewable energy components is US\$141 million.

The Sri Lanka Energy Services Delivery Project (ESD)

ESD encourages grid and off-grid energy services using renewable energy and demand-side management. The project includes a credit component to help finance private sector investments; NGOs and cooperatives in off-grid photovoltaics and village hydro schemes; rehabilitation of grid-connected, mini-hydro sites, and other applications. The project also includes a grid-connected pilot wind farm conducted with the local utility, the Ceylon Electricity Board (CEB). Expected results include installation of up to 26 MW of renewable energy capacity, including up to 30,000 solar home systems; annual update of the small power purchase tariff; signing of at least 12 small power purchase contracts; and CEB-generation planning models.

Total World Bank/GEF support is US\$30 million



Micro-hydro electric power station provides clean, safe energy in Sri Lanka.



Argentina RE for Rural Markets (FY 1999)

This project will provide electricity to rural areas in Argentina in a sustainable manner using renewable energy sources by the private sector. The project supports consolidation of power sector reform.

Total World Bank/GEF support is US\$60M



China RE Promotion (FY 1999)

This stand-alone renewable energy project will support the accelerated development of renewable resources of energy (190 MW of wind, 200,000 solar home systems, plus technical assistance).

Total World Bank/GEF support is US\$135M



Brazil Rural Electrification Project (FY 2000)

The proposed project aims to provide electricity to disperse rural populations in Brazil, based on renewable energy supplied from the private sector.

Total World Bank/GEF support is US\$70M

Projects in the pipeline: Latin America and the Caribbean

Projects in the pipeline: Asia