

## Renewable Energy for Rural Economic Development Project

# 3-DAY TRAINING PROGRAM ON LOW HEAD HYDROPOWER DEVELOPMENT

Renewable Energy for Rural Economic Development (RERED) Project is a project of The Government of Sri Lanka, implemented with assistance of The World Bank (IDA) and Global Environment Facility (GEF). For further information please visit the Project website at [www.energyservices.lk](http://www.energyservices.lk)

### PROGRAM OUTLINE

**Objective** : To provide overall technical knowledge on key aspects of Low Head Hydropower Development

**Target Audience** : Investors, Engineers, Technicians, State Institutions, Financiers and Consultants involved in renewable energy development

**Areas Covered and Resource Personnel** :

Session	Resource Person(s)
Introduction to Low Head Hydropower Technology and its' Potential	Dr Arun Kumar, Alternate Hydro Energy Center, Indian Institute of Technology – Roorkee, India
Low Head Hydro - Survey and Instrumentation	Dr Arun Kumar and Dr SK Singal, Alternate Hydro Energy Center, Indian Institute of Technology – Roorkee, India
Low Head Hydro – Machinery Selection	Dr RP Saini, Alternate Hydro Energy Center, Indian Institute of Technology – Roorkee, India
Low Head Hydro – Flood Control and Design of Civil Structures	Mr Mukesh K Singhal, Alternate Hydro Energy Center, Indian Institute of Technology – Roorkee, India
Efficiency testing of Low Head Hydro Projects	Dr HK Verma, Alternate Hydro Energy Center, Indian Institute of Technology – Roorkee, India
New developments in low head hydro technology	Mr Ravi Kalra, Andritz Hydro, Austria/India
High Flow-Low Head Hydro Projects: Development of Low-Head Hydro Using Existing Infrastructure	Prof Xin Zhang, China Agricultural University, Beijing, China
Sediment Management in Low Head Hydro Projects	Dr Meg Bishwakarma, Hydro Lab (Pvt) Ltd, Katmandu, Nepal
Experience in Development of Low-Head Mini-Hydro Projects and Case Studies	Mr Yousha Radparvar and Ms Samira Sharifi Zemeidani, Farab Co, Iran (EPC Contractor of Uma Oya Multipurpose Development Project)
Lessons from large Hydros	Dr Kamal Laksiri, Ceylon Electricity Board

These theoretical sessions will be followed by a field visit to Lower Neluwa Low-Head Mini-Hydro Project (2MW) at Neluwa.

**Total training time** : 16 hours (8 Hours x 2 days) + Field Visit on Day-3

**Dates of program** : 18, 19 and 20 February, 2010

**Venue** : Crystal Room Lower, Hotel Taj Samudra

**Time** : 8.30am to 5.30pm

**Investment** : A subsidised fee of **Rs. 6,000/- per participant** (includes course material, transport for the field visit, lunch and refreshments)

**No. of participants** : 60 (maximum)

### PRE-REQUISITES

Applicants must be able to demonstrate their involvement in renewable energy development.

### APPLICATION PROCEDURE

Reservations would strictly be on first come-first served basis. For reservations please contact Mr Vidarsha Dharmasena on Tel. 011 244 2260



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