

	<b>International Seminar on Small Hydro Power Trivandrum, Kerala, India. 12 – 14 December 2007</b>		
<b>Organized by:</b>		<b>Sponsored by:</b>	
<ul style="list-style-type: none"> <li>• Government of Kerala</li> <li>• UNIDO Regional Centre for Small Hydro Power, Trivandrum</li> <li>• Energy Management Centre-Kerala, Trivandrum</li> </ul>		<ul style="list-style-type: none"> <li>• United Nations Industrial Development Organization (UNIDO), Vienna</li> <li>• Ministry of New &amp; Renewable Energy Sources, Govt. of India</li> <li>• International Network on Small Hydro Power (IN-SHP), Hangzhou, China</li> <li>• Kerala State Electricity Board</li> <li>• Indian Renewable Energy Development Agency (IREDA)</li> <li>• Agency for Non-Conventional Energy and Rural Technology (ANERT)</li> <li>• Kerala Power Finance Corporation (KPFC)</li> </ul>	

## Information Brochure

### 1. Brief Description:

Small Hydro Power (SHP) has been identified as one of the appropriate and environmentally friendly, renewable energy sources, which can provide convenient and uninterrupted energy to remote rural villages which are yet to be electrified. The development of SHP in remote hilly areas will obviously result in comprehensive socio-economic development of such areas. Providing power supply through RE systems has a much larger socio-economic impact, in that it would facilitate improved income generation in the rural setting. It would also enable small and village level industries to be established, communication facilities improved etc., thereby reducing migration to the cities, which are already under tremendous strain due to inadequate facilities.

The United Nations Industrial Development Organization (UNIDO) opened its first Regional Centre for Small Hydro Power in Trivandrum, Kerala, India, on 4 April 2003. This is a project financed jointly by Government of India, UNIDO and Government of Kerala and is functioning under the aegis of the Energy Management Centre, an autonomous body functioning within the Department of Power of the Government of Kerala.

### 2. Main Objectives of the Seminar

The main objectives are:-

- to exchange views on small hydro power development in the developing countries and its potential for meeting the current and future electrification needs of the off-grid rural areas;
- to study, through case histories, the potential for development of Pico, Micro, Mini and Small hydropower region-wise and the various models of small hydro power projects implementation in the developing world;
- to examine the opportunities for local population to participate in SHP projects from concept to completion;
- to identify action programs in each of the participating countries and develop a strategy for accelerated development of SHP as a means of sustainable development with the involvement of UNIDO, IN-SHP and other international, bilateral or multilateral agencies.

### 3. Participants

Eligible for participation are Government functionaries and Agencies involved in policy formulation, implementation and financing of renewable energy projects; International Organizations active in energy development; Manufacturers of small hydro power equipment; Independent Power Producers; Local bodies/Cooperatives developing SHP; NGOs active in rural development and micro hydropower construction; Researchers; Professional societies; Financing Institutions and such other individuals and entities who share the belief that rural electrification is for productive use and empowerment of the society.

The current focus is on participants from English speaking countries, as the language of proceedings is English. The Organizers reserve the right to restrict participation, owing to financial and logistical reasons, to around 100, on “first come first served” basis. Participants from all continents are welcome.

### 4. Date and place

Dates & Venue	12 –14 December 2007 Trivandrum (Thiruvananthapuram) City
Address of the Centre	UNIDO Regional Centre for SHP, C/o Energy Management Centre, Thycaud P.O., Near Police Ground, Trivandrum. Postal Code:695 014, Kerala, India Telephone Numbers: +91-471-232 3329,232 3363,232 1820 Fax. +91-471-232 3342. e-mail: unidorc.india@unidorc.org

### 5. Pre-Seminar Session [11 December 2007]

A pre-Seminar session on issues related to SHP development, of one day duration, is planned for 11 December 2007, particularly intended for the elected representatives and functionaries from the State of Kerala and from other parts of India, who are desirous of having hydro projects in their regions. There will be video presentations of best practices available around the world as part of this session. Those who are interested in presenting their case studies/best practices may kindly forward the CD to UNIDO Regional Centre, so as to reach before 1 December 2007. The intended duration of one presentation is 10-12 minutes.

### 6. Language and Documentation

The working language for the Seminar will be English. The main substantive documentation will also be in English. A detailed time table will be given to the participants outlining specific activities, study tours etc.

### 7. Call for papers

The UNIDO Regional Centre for Small Hydro Power will come out with a publication “Potential and Use of Small Hydro Power in developing countries”, which will be released during the Seminar.

Academics, Individuals, IPPs, Staff members of Multilateral/UN Agencies, Funding Agencies, Project Developers, SHP Manufacturers, Researchers and members of the International Network on Small Hydro Power are cordially invited to contribute papers for presentation/publication. There is no ban for participation without presentation.

- Last date of receipt of paper: 15 November 2007.
- Communication of acceptance of paper: 30 November 2007

Articles/Papers should not exceed 4 pages in A4 size, 12 pt letter size. Power Point presentations (PPT) shall not exceed 12 minutes.

All papers should be sent in electronic format (Microsoft Word Document) to the Technical Director, UNDO Regional Centre for SHP. E-mail: [shpsem2007@unidorc.org](mailto:shpsem2007@unidorc.org)

## 8. Registration

Registration fee for the three day International Seminar is Rs.3000 (US\$ 75). ***No Registration fee will be levied for UN sponsored participants and Members of CC of IN-SHP.***

Registration for the Seminar should be completed by 30 November 2007. A registration form is attached to this Brochure, which should be filled in and returned as an email attachment or faxed to the following address:

**The Technical Director  
UNIDO Regional Centre for Small Hydro Power  
Thycaud P.O, Near Police ground, Trivandrum 695 014, Kerala, India  
Fax: +91-471-232 3342.  
e-mail: [shpsem2007@unidorc.org](mailto:shpsem2007@unidorc.org)**

## 8. Financial and administrative arrangements for UN Sponsored participants

The organizers will provide free of cost, the following for the participants sponsored by UNIDO or other UN bodies:

1. Pick up from Trivandrum airport, and all Local transportation.
2. Full boarding and lodging (twin sharing basis) for the duration of the Conference for the invited participants (4 days from arrival on 11 December till departure on 15 December 2007). Those who need single accommodation should pay the difference and notify such needs in advance.

**NEITHER HOST COUNTRY NOR UNIDO NOR OTHER SPONSORS WILL ASSUME ANY RESPONSIBILITY FOR THE FOLLOWING COSTS:**

- i. Costs incurred by participants with respect to travel from their home country or duty station to Trivandrum and back, travel insurance, accident insurance related to his/her attendance at the Seminar;
- ii. Compensation in the event of death, disability or illness of the participant, during travel to and fro to the Seminar and/or during the stay associated with it;
- iii. Incidental costs incurred in connection with air travel e.g. passport fee, visa fee, vaccinations, stopovers, and travel to and from the home airports;
- iv. Loss or damage to personal property of participants attending the Seminar;
- v. Purchase of personal goods or compensation in the event of damage caused to such goods by climatic or other conditions; and
- vi. Expenditure related to Telephone, Washing and other personal items.

## 9. Visa/Passport Requirements

Before leaving the home country, participants should complete all formalities regarding entry visas at their own cost. Kindly make sure that Passports are valid at least for 6 months beyond the conference dates, before submission for visa procurement.

## 10. Arrival & Departure

Trivandrum is an international airport (Code TRV) in Kerala, India, and has direct flights from Singapore, Colombo, Male', several of the Middle East Countries (Dubai, Abu Dhabi, Kuwait, Bahrain, Oman, Qatar, Saudi Arabia etc.). There are daily direct domestic flights from Delhi, Mumbai, Bangalore, Chennai and Hyderabad to Trivandrum. For more information on flight routings, you may please contact the persons indicated in item 11 by e-mail. The distance from airport to hotel/venue is around 10 km.

International Participants are expected to leave their home countries/duty stations in time to arrive in Trivandrum latest by night of 11 December 2007. Upon arrival at Trivandrum, they will be received by a representative of the organizers, who will further arrange their transfer to the hotels, **provided, the travel schedules are intimated well in advance.** Return transfers to the Trivandrum airport, will also be arranged by the organizers.

The Organizers will not be financially responsible for earlier arrivals of the participants or late departures after the Seminar due to personal reasons or failure to obtain confirmed tickets. Travel should be finalized by participants prior to their departure from home countries. If Reservations on payment basis for additional days are required, arrangements will be made, subject to availability.

Participants are requested to inform the UNIDO Regional Centre, through fax or email, their estimated time of arrival at Trivandrum (flight/train number included), in order to facilitate prompt pick up.

## 11. For further information please contact

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Technical Director

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(Director, Energy Management Centre)

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