

INTERNATIONAL SEMINAR ON SMALL HYDRO POWER
12th to 14th December 2007 o Trivandrum, Kerala State, India
Venue : Day 1: Mascot Hotel; Day 2-3: Residency Tower
organized by



Government of Kerala



UNIDO & UNIDO RC TRIVANDRUM



Energy Management Centre Kerala

Day One 12 December '07	Registration, Inauguration and Technical Sessions Venue: Mascot Hotel (Symphony Hall, Ground Floor)
0930 Hrs - 1000 Hrs	Spot Registration
Session I : Inauguration	1000 Hrs – 1100 Hrs
1000 Hrs - 1100 Hrs	Inauguration by Hon.'ble Mr. A. K. Balan, Minister for Electricity, Govt. of Kerala. Mr. K. K. Vijayakumar, Additional Chief Secretary Govt. of Kerala in charge of Power presides.
1100 Hrs – 1130 Hrs	Tea / Coffee Break
1130 Hrs – 1300 Hrs Session II : Invited Presentations	Chairs: 1. Mr. Rajiv Sadanandan, Secretary (Power), Govt. of Kerala 2. Mr. Surendra Pimparkhedkar, Sr. Res. Associate, WISE, Pune.
1130 Hrs – 1300 Hrs	Invited Presentations (15 min each) by: 1. UNIDO Vienna (Mr. Rana Pratap Singh, 2. UNIDO-RC, Trivandrum (Mr. K. M. D. Unnithan) 3. UNIDO-RC, Abuja (Dr. A. A. Esan), 4. Improvements for Micro hydro installations in Uttarkhand - Prof. M. Ravindran, Special Advisor, Rural Technology Action Group (RuTAG), Madras IIT 5. Overview of SHP in China - Prof. V. K. Damodaran, MD, IN-SHP, Hangzhou & Discussions
1300 Hrs – 1400 Hrs	Lunch
1400 Hrs – 1530 Hrs Session III : Country Presentations	Chairs: 1. Prof. M. Ravindran, Special Advisor, RuTAG, India 2. Mr. Rana Pratap Singh, IDO, Energy Branch, UNIDO Vienna
1400 Hrs – 1530 Hrs	Country Presentations by Congo, Kenya, Madagascar, Nepal, Nigeria, Sri Lanka (10 min / country) and discussion on emerging issues
1530 Hrs – 1600 Hrs	Tea / Coffee Break
Session IV : Preparing for Micro Hydropower projects	1600 Hrs – 1730 Hrs Chairs: 1. Dr. A. A. Esan, Technical Director, UNIDO-RC, Abuja 2. Mr. K. M. Dhariesan Unnithan, Tech. Director, UNIDO RC, Trivandrum
1600 Hrs – 1730 Hrs	1. SHP and youth employment: Perspectives from YES Inc. - Mr. P. K. Joseph, YES India Project, New Delhi 2. Data Collection for Micro Hydropower Projects (invited) - Mr. V. Ramasubramanian, Founder, Village Renewable Energy Systems (India) P. Ltd., Bangalore
1900 Hrs - 2030 Hrs	Cultural Programme, followed by Dinner (Venue: Mascot hotel)
Day Two (Forenoon) 13 December '07	Project Formulation, Policies, Regulatory environment & Barriers Venue: Conference Hall, Residency Tower, Press Road
Session V : DPR Preparation & Execution of Projects	0930 Hrs – 1030 Hrs Chairs: 1. Prof. Tong Jiandong, Director General, IN-SHP, China 2. Mr. Samuel Ome, Federal Ministry of Agriculture & Water Resources, Nigeria.
0930 Hrs - 1100 Hrs	1. DPR preparation – Mr. A. N. Dinesh Kumar, Energy Technologist & Mr. B. Seshan (Retd. Chief Engineer (SHP) & Consultant, SHP Division, UNIDO RC/EMC, Trivandrum. 2. Techno economic and social aspects of Pico/Micro hydropower projects in East Africa - Mr. K. Anil kumar, People's School of Energy, Kannur, Kerala.
1100 Hrs - 1130 Hrs	Tea / Coffee Break
Session VI : SHP - Regulatory Environment, Policies & Barriers	1100 Hrs – 1300 Hrs Chairs: 1. Mr. S. Chatterjee, Scientific Advisor, Office of Principal Scientific Officer to Govt. of India New Delhi 2. Mr. B. Seshan, Chief Engineer (SHP) Retd., KSEB 3. Mr. Marson Rafalarivo, Programme Officer, UNIDO, Madagascar
1130 Hrs - 1245 Hrs	1. Policy & Regulatory framework for SHP in India - Mr. Surendra Pimparkhedkar, WISE, Pune. 2. SHP in Pampa River Basin – Madatharuvi and Mundakkayam - Mr. N. K. Sukumaran Nair, Executive Director, Environmental Resource Centre, Tiruvalla, Kerala. 3. Harnessing Small Hydro Power in resolving Rural Energy Crisis –Mr. John Tharappel Devasia, Asst. Professor, Govt. College of Engg., Kannur, Kerala, India
1300 Hrs - 1330 Hrs	Lunch
Session VII: (Afternoon) Field Visit	1330 Hrs – 1900 Hrs Visit to Meenmutty 3.5 MW SHP Station of KSEB (65 km from city)
1900 Hrs - 2100 Hrs	Cultural Programme, followed by Dinner (Venue: Residency Tower)

Day Three (Forenoon) 14 December '07	Community Management, Capacity Building and Project Management Venue: Conference Hall, Residency Tower, Press Road
Session VIII : Community Management	0930 Hrs – 1030 Hrs Chairs: 1. Mr. Mahendra Singh Dhakad, Director, Dept. for Industrial Policy and Promotion, Ministry of Industry, Govt. of India, New Delhi. 2. Mr. Anil G., Head, SHP Division, EMC/UNIDO RC, Trivandrum
0930 Hrs - 1030 Hrs	1. Community Management of SHP: The Chinese experience - Prof. Tong Jiandong, Director General, IN-SHP & Director UNIDO International Centre on SHP, Hangzhou, China (Invited Presentation). 2. Community strategy for SHP development in Kerala in the context of Total Energy Mission – Mr. P. V. Unnikrishnan, Member (Energy), State Planning Board, Kerala.
1030 Hrs - 1100 Hrs	Tea / Coffee Break
Session IX : Capacity Building for Cost effective implementation & Project Management	1100 Hrs – 1300 Hrs Chairs: 1. Mr. P. V. Unnikrishnan, Member (Energy), State Planning Board, Kerala 2. Mr. Sumith Wedarathna, Hydrodynamics (P) Ltd., SHP Developer, Sri Lanka
1100 Hrs - 1300 Hrs	1. SHP through Local bodies – A Kerala initiative – Mr. E. C. Padmarajan, Consultant Engineer, Palakkad Small Hydro Co., India 2. Capacity Building thro' Design and Development of a micro hydro turbine for off grid applications at SHP Design Centre at Trivandrum Regional Centre of UNIDO/EMC – Mr. Anil G., Head, SHP Division, EMC Kerala/UNIDO RC, Trivandrum. 3. Capacity Building for Africa in SHP – UNIDO RC Abuja in action – Dr. Ayodele Afolabi Esan, Tech. Director & CEO, UNIDO RC for Africa, Abuja, Nigeria. 4. Cost effective implementation of SHP projects: Recommendations for policy formulation evolved thro' the SHP Cell at EMC – Mr. S. Padmakumar, Asst. Executive Engineer, SHP Division, EMC.
1300 Hrs - 1400 Hrs	Lunch
1400 Hrs - 1530 Hrs Session X : Drafting of Recommendations	Plenary Session for drafting of 'Recommendations' and '2007 Trivandrum Declaration on SHP' Chairs: 1. Prof. V. K. Damodaran, MD, IN-SHP, Hangzhou, China 2. Mr. Mahendra Singh Dhakar, Director, DIPP, Ministry of Industries, New Delhi
1400 Hrs - 1530 Hrs	
Session XI : Valediction, Launching of SHP Design Centre at EMC and Presentation of State Energy Conservation Awards	1600 Hrs – 1730 Hrs Inauguration: Hon.'ble Sri. V. S. Achuthanandan , Chief Minister of Kerala Guests of Honor: Sri. A. K. Balan , Minister for Electricity Sri. Mathew T Thomas , Minister for Transport Sri. V. Sivankutty, MLA Prof. Tong Jiandong , Director General, IN-SHP
Seminar Closure with High Tea	1730 Hrs – 1800 Hrs