

## ABOUT THE ORGANISERS

The International Centre for Hydropower is a non-profit organisation based on institutional membership of organisations in the hydropower sector. The purpose of ICH is to raise the standards of competence of personnel in the hydropower industry, promote the industry and work for a sustainable development of hydropower resources.

Hydro Lab Pvt. Ltd. is a well equipped independent hydraulic laboratory, established in 1998 with the objective to assist in the achievement of national development goals by providing an effective base for research and development, training and consultancy services in the field of water resources development in Nepal and internationally.



## INTERNATIONAL CENTRE FOR HYDROPOWER

Klaebuveien 153, 7465 Trondheim, Norway  
Email: tom@ich.no  
Phone: +47 7359 0784  
Fax: +47 7359 0781  
Mobile: +47 9963 9880

### CONTACT PERSON

Mr. Tom Solberg, Managing Director, ICH



IN COOPERATION WITH NTNU, NORWAY

## HYDRO LAB PVT. LTD.

GPO Box 21093, Kathmandu, Nepal  
Fax: 977 1 5543195 | Email: info@hydrolab.org | Web: www.hydrolab.org

### CONTACT PERSON

Dr. Meg B. Bishwakarma  
General Manager



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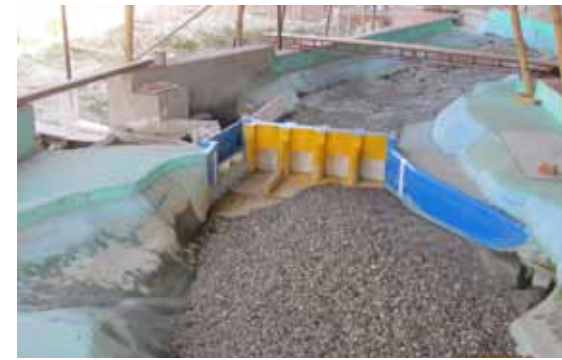


## BACKGROUND

The International Centre for Hydropower (ICH) and Hydro Lab Pvt. Ltd. proudly invite you to the Headworks Design Workshop in Nepal. This workshop offers you, within the framework of lectures, laboratory experiments and field excursions, better insight in optimum design of headworks for mitigation of sediment problems. Senior professionals involved with headworks design and sediment handling in steep sediment loaded rivers will share experiences through lectures, field visits and laboratory demonstrations. The knowledge gained will be beneficial in development as well as operation of hydropower installations in steep, sediment-carrying rivers.

## Workshop Title: HEADWORKS DESIGN IN STEEP SEDIMENT LOADED RIVERS

Date: 22 – 29 September 2013, Nepal



## TARGET GROUP

The main target group is experienced professionals in hydropower planning, design and operation from the Himalayan Region as well as other regions with similar sediment problems. Candidates should have a minimum of bachelor's degree in civil engineering or have an equivalent background in the fundamental engineering aspects of hydropower systems, and have relevant job experience.

## TIME AND VENUE

The workshop will start on Monday 23 September in Pokhara and end on Saturday 28 September 2013 in Kathmandu. Participants are expected to arrive in Kathmandu on Saturday 21 September and will be transported to Pokhara by coach on Sunday 22 September 2013.

The participants will be accommodated in Pokhara for the first few days for lectures, group works and field trips. The participants will then be transported by coach to Kathmandu for acquiring practical knowledge on physical hydraulic models and relevant laboratory experiments. The laboratory experiments and model studies will take place at Hydro Lab. The participants will be accommodated in Kathmandu until end of the programme.



## ADMISSION CONDITIONS

The workshop is sponsored by the Norwegian Agency for Development Cooperation (NORAD). There will be a nominal registration fee of USD 200 for participants from developing countries abroad and NPR 13,500 for Nepalese participants. If seats are available, participants from developed countries may also be considered for the workshop by paying a registration fee of 1,000 USD. The fees include accommodation, all meals, transport to and from Pokhara, field trips, a social Programme and documentation.



## PRELIMINARY PROGRAMME

DAY AND DATE	ACTIVITIES	
Saturday 21 September	Arrival to Nepal and Stay in Kathmandu	
Sunday 22 September	Departure to Pokhara via coach, Registration at the evening	
Monday 23 September	Opening and Lectures	Opening, lectures and country presentations
Tuesday 24 September	Lectures	Planning and design of headworks
Wednesday 25 September	Departure for filed visit	Visit to nearby hydropower plant(s)
Thursday 26 September	Return to Kathmandu	
Friday 27 September	Laboratory experiments and model studies at Hydro Lab	
Saturday 28 September	Short sightseeing around Kathmandu and closing of the workshop.	
Sunday 29 September	Departure from Kathmandu	

## APPLICATION

The number of workshop participants will be limited to 25. Application deadline is set to 30 May 2013. Candidates are kindly requested to apply online through the link available on the ICH homepage [www.ich.no](http://www.ich.no). If not able to apply online, please contact directly the Managing Director of ICH, Mr. Tom Solberg. Information on the event is available through the same webpage. Selected participants will be notified within 30 June 2013 and will receive the final workshop programme and practical information soon after.

