

## **Technical Workshop/Seminar on Disaster Preparedness, Insurance and Mitigation on Hydropower Projects and Operating Plants**

Independent Power Producers' Association (IPPAN) and the International Finance Corporation (IFC), a member of the World Bank Group and International Centre for Hydropower (ICH) are pleased to invite to Technical workshop seventh event in a series of workshops on sustainable hydropower. These workshops are a platform for knowledge exchange on global best practices in the technical, commercial, financial, environmental, and social aspects of hydropower development. This seventh workshop/training will focus on disaster preparedness, insurance aspects of the Hydropower. It is very prominent aspects on hydropower financing and risk mitigation. It is specially focused for the hydro developers, Bankers, senior government officials, NEA and IPPs.

**Day 1: Monday, 13 November 2017**

### **High-level Seminar in Kathmandu**

<b>Time</b>	<b>Title &amp; contents</b>	<b>Presenter</b>
09:00- 09:30	Arrival and registration	
09:30 - 09:40	Inauguration of the program by the Chief Guest	
09:40-10:10	Key note: Disaster aspects and Responses – What is missing?	IPPAN
10:10 – 10:40	Global Practice on Disaster Handling	John Michael Reynolds
10:40 – 11:10	More disaster on offing? The Climate Change factor	ICH
11:10 -11:30	Working in the field – Nepal's experience National Disaster Risk Reduction Center (NDRC)	NDRC
11:30 -12:00	Handling the disaster: lesson and Recommendation	Nepal Army
12:00 - 12:30	Insurance Instruments for Disaster Risk Mitigation	Jan P. Mumenthaler, Principal Insurance Officer IFC
12:30 -12:50	National Level Planning for Disaster Mitigation	VC NPC
12:50 – 13:10	Chief Guest	Minister of Home
13:10 – 13:10	Vote of Thanks	IPPAN
13:15 - 14:30	Lunch	
14:30 - 16:00	Departure to Dhulikhel (for workshop participants)	
16:00 - 17:30	Check-in at Dhulikhel and fresh-up	
17:30	Welcome Dinner	

**Day 2: 14<sup>th</sup> November, 2017- Site visit- Disaster Damaged Hydropower projects - lessons**

7 am -13:00	Site visit - Visit to Bhotekoshi river
13:00-14:00	Lunch at the “The Last Resort”
14:00-16:00	Jure Site- Sunkoshi Hydropower Project
17:00	Return to the Dhulikhel hotel
18:00	Dinner with Cultural Program

**Day 3: 15<sup>th</sup> November, 2017: Disaster Events, Design, and Early Warning**

Time	Title & contents	Presenter
07:00- 08:30	Breakfast	
08:30- 09:30	Case Presentation: Uttarakhand Flood Disaster: Behavior/ Operational issues hydropower dam/ Reservoir during the Uttarakhand Flood Disaster	Government of Uttarakhand
09:30-10:30	Design Consideration - the resilient structures	ICH
10:30 -10:45	Tea break	
10:45 -11:30	Underground Structures: How do they fare during disaster?	NTA
11:30 - 12:00	Discussion Q&A	
12:00 - 13:00	Lunch	
13:00 - 13:45	GLOF and Hydropower Project: Disaster or safeguard	ICIMOD
13:45 - 14:30	Strengthening District Emergency Operational Centers	NDRC
14:30 - 15:00	Emergency Response Plan (ERP) for Disaster	HPL
15:00 -15:30	Tea break	
15:30 -16:15	ERP in Pocket –Mr. Roshan Subedi	Multitechconsult
14:45 -15:30	Establishing EWS – learning from Norway	ICH
15:30 -15:45	Establishing EWS – case of TshoRolpa	UNDP
16:45 - 18:00	Free time and hiking in the area – (hotel provided)	
18:00	Dinner at Himalaya Horizon	

**Day 4: 16<sup>th</sup> November, 2017**

<b>Time</b>	<b>Title &amp; contents</b>	<b>Presenter</b>
07:00- 08:30	Breakfast	
08:30-09:15	Case Presentation: The Jure Landslide and Bhotekoshi Flood – Learning from Nepal	IPPAN/Sanimahydro/NEA
09:15-10:00	Current processes and guidelines: Nepal’s experience in Hydropower Insurance/ Challenges	Nepal General Insurance
10:00 -10:15	Tea break	
10:15-11:00	Insurance tools for disaster risk and cost components	Marsh
11:00 -11:30	Experience of a Nepalese Developer on Insurance Claim: Case of .....	
11:30 -12:00	Discussion & QA	
12:00 -13:00	Lunch	
13:00 - 13:45	Hydropower risk mitigation through Insurance tool- Insurance Challenges on FCS countries	Jan P. Mumenthaler Principal Insurance Officer
13:45-14:30	Hydropower Insurance Challenges – International company	International Insurance company
14:30-15:15	Institutions and structures for disaster preparedness	.....
15:15 – 16:00	Discussion Summary- Outcome of the workshop	
16:00 -16:15	Tea Coffee	
16:15 –17:30	Departure - Kathmandu	