



Turbine Testing Lab

Monthly Bulletin February - March, 2016

KETEP Project

- RPM meter and temperature sensor incorporated in the RDA setup.
- Experiments conducted in RDA at TTL and some results were analyzed and presented in CRHT- VI Symposium on 14 March 2016.
- Manufacturing of 5 kW cross- flow turbine according to design of TTL completed by Donggu Infra Co. Ltd., Korea.
- Acquiring of 5 kW cross- flow turbine, sensors, pressure gauge and electro- magnetic flow meter sent from Donggu Infra Co. Ltd., from the Custom Office, TIA, Nepal in progress.
- Project members from TTL, KU, Donggu Infra Co. Ltd., and Korea Maritime and Ocean University made a site visit to ChauriKhola V MHVEP, Majhifeda VDC, Kavrepalanchwok on 15th March, 2016 as a part of project.
- Major dates/ roles revised, rescheduled and milestones set during the project members from all partners meeting held at TTL, KU on 16 March 2016.

CRHT-VI Symposium

- 6th International Symposium on Current Research in Hydraulic Turbines (CRHT-VI) held on 14 March 2016
- Introduction of full paper system and technical sessions conducted in parallel
- 20 papers/presentations representing KU, NTNU (Norway), KMOU (Republic of Korea), Lund (Sweden), NTU (Singapore) and Multiconsult ASA (Norway)
- Keynotes and guest speakers from NTNU, SkillBuild, Confucius Institute
- For more detail please click [here](#)

Lab activities

- Completion of dewatering, tank cleaning at the lab and refilling
- Finalization of crack repair (some minor cracks seen due to earthquake) in the tank walls
- Refurbishment of the lab's front shed

Research Activities and Participations

- Isabell Borgkvist, visiting student from Lund University to TTL, making her master thesis research related to building efficiency in the Nepalese scenario
- Mr. Sailesh Chitrakar, PhD candidate at KU/NTNU, PIV experimentation in progress on modified guide vane at NTNU, Norway
- Mr. Balendra Chhetry, MS by research student at TTL, participated in 6th International Conference on Water Resources and Hydropower Development in Asia Conference (ASIA



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2016) during 1 to 3 March 2016 in Lao PDR

- Four papers from TTL presented in CRHT-VI symposium