



TTL Workshop

- Workshop on “Need & Prospects of Center of Excellence (CoE) at TTL for hydro-turbine development in Nepal” was organized on 7th August, 2017.
- Organized as a kickoff of rigorous discussions and partnership building for achieving short-term and long-term goals of the CoE.
- Inaugurated by Mr. Mahendra Bahadur Shahi, Honorary Energy Minister, Government of Nepal.
- Several dignitaries including Mr. Kul Man Ghising, MD- NEA; Mr. Kumar Pandey, Vice-President- IPPAN; Mr. Gyanendra Lal Pradhan, Treasurer- FNCCI, and representatives from organizations and industries of Nepal viz; IoE, HIDCL, VUCL, Sanima Hydro, HydroLab, NMHDA, NHA and Himal Power Ltd. participated in the program.
- Workshop was accompanied by the TTL lab floor visit and briefing about the lab overview and amenities available.
- Photo Galleries and full news at <http://bit.ly/2vOCT2s>

Agreement between TTL and KMOU

- Agreement was signed between Turbine Testing Lab (TTL), KU and Flow Informatics Lab, Korea Maritime & Ocean University (KMOU), Korea as partners for the project “CFD performance prediction & structure analysis of 50 MW Francis turbine project system” on 22nd August, 2017.
- 12 months contract period with 12,000,000 Korean Won (Approx. 10,500 USD) for TTL for the execution of project.
- Prof. Dr. Bhola Thapa, Registrar-KU & Prof. Dr. Young- Ho Lee, KMOU being signatories for their respective institutions.
- Full news and glimpses at <http://bit.ly/2vXGY4L>

Lab Activities

- Agreement document for TTL underground tank coating signed between TTL, KU & Venus Construction & Water Proofing Pvt. Ltd. and work on progress.
- Agreement document for purchase order of torque transducer between TTL, KU & Technika International Trade Concern.
- Specifications & documentation for re- tendering of VFD & electric motor completed and technical studies on progress.
- Completion of Hydraulics machine lab (MEEG 311) and final evaluation.



Workshop and Visits

- Mr. Sailesh Chitrakar, PhD candidate at TTL visited Krish Engineering Pvt. Ltd., Ahmedabad, India for the **inspection and pressure testing** of the pressure tanks being manufactured at the company from 4-6 September 2017.
- Dr. Hari Pd. Neopane, Member Secretary, TTL participated in **Erasmus+** project meeting with partners at University of Lund, Sweden from 9- 16 October 2017 organized by **European Commission**.

Activities of ENEP Students

- Design of **draft tube** of Francis turbine completed and study of **labyrinth seal**.
- Literature review and review paper on progress.

Energize Nepal Project

- CAD design of **draft tube** and **turbine support**.
- Some design modifications in the **pressure tanks** as per practical purposes.
- Surveys to figure out **instrument calibrating institution** required for TTL and quotation called for various instruments.

Lab Visits

- Visit by Satya Ram Jyakhwa, Assistant Manager, **Upper Trishuli 3A Hydroelectric Project, Rasuwa** (ongoing project of Nepal Electricity Authority) and his team on 6th September.
- Visit by newly admitted students (Batch 2017) in Department of Mechanical Engineering (DoME), KU as a part of their **orientation program** on 17th September to know about the lab facilities.
- Visit by Marie Capron, representative from **ESRF- European Synchrotron Radiation Facility, Grenoble, France** on 17th September.
- Visit by the **EnergizeNepal Project Office** delegates on 25th October.