



## EnergizeNepal Project

- Re-work on alignment and structure of Model Francis test rig expected to complete by 8 September 2019.
- Design and arrangement of pipelines and structure support for flow calibration system.

## Fransed Project

- Preliminary identification of energy modeling scenarios for future power demand prediction.
- A workshop on current energy trend in Nepal has been finalized for November 2019.
- Optimization of runner blade for variable speed operation; in reference case of Jhimruk HPP.

## Energize Nepal RNEP-II Project (Micro Francis)

- Negotiations with Darimgad mini Hydropower project
- Signed MOU with Chauri Khola II Micro Hydro Project for 5 years period.
- Design of runner for Chauri Khola II Micro Hydro Project completed
- Design of simplified components: trapezoidal spiral casing and stay vanes fused with guide vanes in progress.

## Lab Activities

- Installation of 14 kW simplified Francis turbine.
- Preliminary testing of 14 kW simplified turbine.
- Modification of Francis turbine test rig for alignment adjustment.

## Lab Visits

- Visit of faculty members and students from Department of Bioengineering, University of Washington.



### Progress of ENEP Students

- Mr. Saroj Gautam returned from Tsinghua University, China and resumed his work at TTL.
- Installation of 14kW simplified turbine (Dadi Ram Dahal).
- Hydraulic design of Francis turbine components and 3D modeling for the same. (Ram Lama)
- Mr. Nischal Pokharel and Mr. Aman Kapali travelled to Wuhan University, China as a part of World Bank fellowship program.