



EnergizeNepal Project

- Precision coupling linear actuator and angle sensor for the model Francis Test Rig in progress, expected by end of June.
- Minor modification and adjustment to be made for the operation of Test Rig in full phase.
- Design and Analysis of flow calibration system on progress.

Fransed Project

- Initiation of Model Turbine Testing.
- Data collection for Energy modeling.

Energize Nepal RNEP-II Project (Micro Francis)

- Hydraulic design of 300KW Francis Turbine.
- Parameterization of 3D model of Francis Turbine.

Mai Beni Project

- Design of gates along with drafting of frame and leaf completed.
- Completion of design of bifurcation.
- Analysis of upsurge is completed.
- Design of bell mouth at headpoint.
- Design of bends and expansion joints on progress.

Energize Nepal RNEP-II Project (PEEDA)

- Second phase of design modification of Turgo runner cups accomplish by Bristol University.
- CAD models of the Turgo runner cups received by Turbine Testing Lab.



Lab Activities

- Participation of TTL members on High level symposium about the UN Sustainability Goals on 17th May.
- Presentation on Sediment erosion in ICIMOD on 22th May.

Lab Visits

- Rector and Team from NTNU visited Lab on 14th May.
- Visit of Team from HIMAL Partner on 9th May.
- Visit from ICIMOD on 20th May.

Progress of ENEP Students

- Manufacturing of test rig on progress.
- Compendium on low head Francis turbine on progress.
- Numerical Analysis of Turbine on different turbulence model. (Dadi Ram Dahal)
- Preparation of IAHR paper. (Ram Lama)
- Manufacturing drawing of all the system components.
- Initiation of procurement process. (Aman Kapali)
- Preparation of questionnaire for pump technology used in Nepal.
- First paper writing on status of pump technology used in Nepal on progress. (Nischal Pokharel)