# TURBINE TESTING LAB

# Monthly Bulletin March 2019

#### **EnergizeNepal Project**

- Model Turbine's accessories arrived at TTL after fabrication. Installation work is going on (80% completed).
- The technical specifications from Mars Edpal Instruments Pvt. Ltd. for procurement of Electro mechanical Equipment are in progress.
- Bi-annual report submission of third year and submission of budget for fourth year.

### **Fransed Project**

- Sieve analysis of Start of settling basin of Jhimruk Hydropower.
- Literature review on progress.

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

- Interaction meeting with NMHDA.
- Quarterly progress report submission.
- Updated the project schedule.
- Data procurement from NMHDA.

#### Mai Beni Project

- Structural analysis of bifurcation.
- Drawing of gates and Trash rack have been delivered.

#### **Lab Activities**

- Strategic meeting on 21-22 March.
- Preparation work for CRHT-IX.
- 3D printing of Turgo Turbine.
- Testing of Turgo Turbine.



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## **Lab Visits**

- Visit of Dr. Sunil Malla, Research consultant for World Bank.
- Visit of representative members from Nepal Engineering Council.
- Visit of team from GETAI Hydropower for discussion on model turbine testing at TTL.

## **Progress of ENEP Students**

- Transfer of Master student, Mr. Saroj Gautam, to Tsinghua University, China in joint cooperation.
- Design of Spiral Casing for 14 KW (Dadi Ram Dahal).
- Paper writing for CRHT and IAHR 2019. (Dadi Ram Dahal).
- Numerical Analysis of model turbine from sediment perspective is collected.(Ram Lama)
- Paper writing for CRHT and IAHR 2019 (Ram Lama).