



Energize Nepal Project

- Made control room for VFD.
- Design and analysis of flow calibration setup.
- Installation of model Francis test rig.
- Installation of pressure taps for inlet pipe and draft tube.
- Tender for open and closed loop pipes of model Francis Test Rig.
- Procurement of electromechanical component like valves, linear actuator, flow meters for test rig.

Fransed Project

- Preparation of draft report of the sediment analysis of Jhimruk Hydropower.
- Mineral Analysis of Jhimruk Hydropower.

Energize Nepal RNEP-II Project (Micro Francis)

- Paper presentation in CRHT.
- Negotiation for reference site.
- Excel sheet preparation for blade design.

Mai Beni Project

- Completion of drawing of Gates.

Energize Nepal RNEP-II Project (PEEDA)

- Testing conducted for Pico-Turgo turbine runner design by University of Bristol and manufactured by NUSE.
- Two day testing conducted under the supervision of testing experts, Researcher from University of Bristol and Mr. Shaun Benzon.



Lab Activities

- Orientation of students for internship in different undergoing projects at TTL on 1st April.
- Internal Discussion for expansion of TTL as professional unit for consulting activities.
- Organization of symposium as Current Research in Hydropower Technologies– IX CRHT-IX.
- Meeting with NHE for discussion of prospects and challenges of turbine manufacturing in Nepal

Lab Visits

- Visit of NHE for discussion on manufacturing challenges in turbine in Nepal.

Progress of PhD and Masters Students

- Working for Test rig installation and procedure development for testing. (Ram Lama).
- Prepare manufacturing drawing of 14KW Francis turbine (Dadi Ram Dahal).
- Literature review on past research of PAT and theory of pump. (Nischal Pokharel)
- Design and manufacturing drawing of pressure tank, agitation tank and sediment separation system. (Aman Kapali).
- Quotation inquiry of the above mentioned component. (Aman Kapali).