



EnergizeNepal Project

- Call and recall of tenders for procurements of electro mechanical hydraulic components (Flow meters, Linear Actuators, Angle sensors, butterfly valve, wedge gate valve precision couplings). (4th Dec, 2018 & 21st Dec, 2018).
- Follow up for work progress of Turbine accessories relocation Megha Hydro and Engineering Pvt. Ltd. in Butwal, Nepal.

Mai Beni Project

- Design and Analysis of Headrace pipes and Penstock Pipes. (Saroj Gautam & Nischal Pokharel).
- Design on progress for manhole. (Sailesh Chitrakar).
- Design and analysis on progress for Bellmouth. (Atmaram Kyastha)
- Series of 3 D Design of bifurcation and analysis on progress. (Saroj Gautam, Nischal Pokharel, Dadiram Dahal.)
- Design of various HM gates on Progress. (Dadiram Dahal)
- Review of 2 D drawings of gates submitted by freelancer. (Aman Kapali & Dadiram Dahal)
- Close monitoring and review of overall HM design activities. (Dadiram Dahal).

Lab Activities

- Several running of pumps in open loop configurations for pressure control in high pressure tank.
- Preliminary testing of Turgo Turbine for PEEDA project.
- Discussion with DoME for lab activities for 4th year students.
- Recruitment of three new researchers in lab for various ongoing projects.

Lab Visits

- Mr. Chandra Sekhar Chaudhary and his team from Nepal Electricity Authority (NEA) visited Lab for viewing ongoing research activities at TTL followed by discussion on joint collaboration for Panauti Hydropower. (12 Dec, 2018)



International Visit from Lab

- Prof. Hari Pd. Neopane visited china and delivered a presentation about "*Sediment Erosion in Hydro Turbines and on-going Research at TTL, KU*" at Department of Energy and Power Engineering of Tsinghua University, Beijing, China. The visit was also followed by different meeting to explore future collaboration possibility with Tsinghua University Beijing, China. He further visited GE Hydro China Co., Ltd. Tianjin, China to see their R& D activities. (17th to 22nd December, 2018)

Progress of ENEP Students

- Steady State numerical simulation for preparation of hill chart of 92 kW Francis runner. (By Ram Lama).
- Transient analysis of model Francis Turbine with quarter revolution scheme.
- (By Saroj Gautam).
- Design of Trapezoidal Spiral casing for 14 kW Francis Turbine. (By Dadiram Dahal)
- Investment casting of runner. (By Dadiram Dahal).
- Investigation of Defect during casting and search for suitable solution. (By Dadiram Dahal).
- Study of alternative process for manufacturing of Turbine runner (By Dadiram Dahal).