



MONTHLY BULLETIN FEBRUARY, 2014

REN-1095

- Test rig for RPT manufacturing contract with D-matrix Engineering and Services Pvt. Ltd. signed on 20th
- Contract duration, 90 days
- Mid-year report submitted

AEPC project

- Proposal call by AEPC for Turbine test rigs / Francis turbine development and technology transfer on 17th
- Meeting with AEPC held on 24th
- Proposal to be submitted on 3rd March
- Project will contain design and installation of Cross Flow and Pelton test rigs at TTL and design of Francis turbine for a site suitable for micro/mini hydro in Nepal

TTL to carry out hydraulic and mechanical design of **Bifurcation of Daraundi Khola** for a 3 MW unit through

- CFD analysis to determine load
- FSI analysis to determine the structural components like thickness and other supports

Contract to be signed from 1st March to 30th March



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New academic projects at TTL

- A research student from University of Calgary, Canada to perform Cross Flow Turbine Testing at TTL for validation of Numerical results starting from April, 2014
- Study of blade optimization for erosion and cavitation of Francis turbine by students of IOE, Pulchok as a part of their final year project

Visit at TTL from Power Tech Nepal Pvt. Ltd. including the Chief Executive Mr. Surendra Bhakta Mathema on 21st

Call for CRHT– III symposium papers/presentation

Event date : 7th April, 2014
Deadline for abstract/summary : 14th March, 2014 (*Extended*)
Deadline for final paper/slides : 25th March, 2014

More information on TTL website

Participation in a Seminar by SOMES for **Hydropower technology in Nepal** on 7th, where a session about **Role of Turbine Testing Lab in the development of hydropower technology in Nepal** was given by TTL