# MONTHLY BULLETIN JULY, 2015

## Approval of Erasmus+ project

- The Erasmus+ project entitled, "Curricula Development of Interdisciplinary Master Courses in Energy Efficient Building Design in Nepal and Bhutan", coordinated by TTL has been approved on 30th July, 2015
- Project duration, 3 years
- Goal of the project, to develop a new Master program on Energy Efficient Building Technique (EEBT)
- Project partners, a) Lund University b) University of Innsbruck c) Tallinn University d) Tribhuwan University and e) Royal University of Bhutan

## Pico Turgo Turbine Testing at TTL

- Successful completion of an experimental testing of Turgo Turbine of Divya Jyoti Hydropower Equipment Manufacture and Development (Pvt) Ltd.
- The turbine was used for the immediate energy rehabilitation in the earthquake affected areas.

## KETEP Project

- RDA design and drawing completed
- Manufacturing process in Korea and Quotation call in Nepal
- Exchange study for the PhD candidate, Mr. Oblique Shrestha in Korea, for 2 months
- Inception report for the first phase submitted to Donggu Infra. Co. Ltd.

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## RNB-15-PID-02 project

- Registration of Turbine Design Services Pvt. Ltd.
- Submission of the business plan to KUBIC.
- Design and Drawing of the low head turbine completed. Manufacturing in Balaju YantraShala in progress.
- Numerical analysis of the turbine in progress.

## RMB-15-PID-16 project

- Project Title - 'Development of Guidelines for Welding Repair of Hydro Turbines'
- Project Partner - North Hydro and Engineering Pvt. Ltd.
- Upgradation of fatigue test machine under progress
- Experimental design is completed
- Quotation call and procurement of consumables for experiment completed
- Experiment to start on August 2.

## Completion of the Undergraduate projects

- Final presentation by all the groups on 19th August, 2015
- Major outcomes from the projects
    - Development of a Matlab Tool for the overall design of wind turbines in small scale, Experimental and numerical study results of wind turbines in the small scale wind tunnel of KU
    - Use of computational tools and experimental techniques for various areas of hydraulic machines