



## **MONTHLY BULLETIN** *JANUARY, 2015*

### **KETEP Project**

- Kickoff meeting in Korea (KMOU) from 19<sup>th</sup> – 26<sup>th</sup> January 2015
- Enrollment of at least one PhD candidate in the project from KU starting from coming semester
- Mr. Nirmal Acharya to coordinate the project
- Project Summary
  - Design of a 5kW erosion friendly cross flow turbine and RDA for carrying out testing of the designed blades
  - Carrying out the testing of the turbine after manufacturing is done in Korea
  - RDA test for the runner blades
  - Design of the 20 kW cross flow turbine for a site in Nepal with the same principle
  - Testing of the turbine in the site after manufacturing and lab testing is done in Korea
  - Research related to coating and blade material by using RDA

### **AEPC project**

- Arrival of Pelton turbine test rig from Krishna Grill on 15<sup>th</sup> January
- Installation process on-going

### **Khimti HP Visit by TTL members**

- Visit on 16-17th January
- MS by Research Presentation by Mr. Amod Panthee
- Plant visit, inspection of the runner maintenance

### **Summary of EnPe Proposal (with NTNU)**

- Deadline 15<sup>th</sup> February
- 20 Masters, 6 PhDs (1 from Hydrolab) and 5 Masters by Research Candidates on Energy Technology, Management and Maintenance



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### **Master program in collaboration with Lund University, Sweden**

- Visit for meeting and discussion at KU and TU by Professors of Lund University on 13-14<sup>th</sup> January
- Application for Erasmus+ Master's program under development, deadline on 10<sup>th</sup> February, 2015 – TTL is coordinating from KU
- Partners for the program: Lund University (Sweden), Innsbruck University (Austria), Tallinn University (Estonia), Kathmandu University, Tribhuvan University and Royal University of Bhutan

**Visit** by KOICA team on 25<sup>th</sup> January, 2015 to conduct Feasibility Study on establishing R&D Center at KU

### **Proposals submitted to RENP Program from TTL**

1. Incubation of Turbine Design Services as a Spin-off Company from TTL and Developing Competences for Designing and Manufacturing Francis turbines for Low Head Applications
2. Enhancing the R&D activities at Turbine Testing Lab by continuing the previously funded Renewable Nepal Projects on hydropower and turbine technologies
3. Development of tool for wind turbine design and its utilization in developing a prototype and testing for enhancing wind energy research in Nepal
4. Development of guidelines for welding repair of hydro-turbines