



Monthly Bulletin September, 2015

KETEP Project

- Rotating Disc Apparatus (RDA) fabrication in progress at Ruby Iron Workshop, Patan Industrial Estate, Lalitpur
- PhD candidate Mr. Oblique Shrestha completed two months exchange program at KMOU, Busan, Korea
- Design completion of 5 kW T15 Cross-flow turbine and simulation in progress

RNB-15-PID-02 project

- Manufacturing of low head Francis turbine in the final stage
- Two undergraduate students employed in part-time basis
- ToR for TTL and TDS Pvt. Ltd. is forwarded

RNB-15-PID-16 project

- Project Title - 'Development of Guidelines for Welding Repair of Hydro Turbines', with project partner North Hydro and Engineering Pvt. Ltd.
- Fatigue, hardness and Charpy experiment completed
- Metallurgical study in progress

Academic/Training activities

- Mr. Amod Panthi participated in International Training Workshop on SHP Technology for South and Southeast Asian Regions from September 14-28, 2015 at International Center on Small Hydropower (ICSHP) and National Research Institute for Rural Electrification (NRIRE), Ministry of Water Resources, P. R. China
- Mr. Nirmal Acharya participated in a training course on Participatory Design from September 20-24, 2015 in collaboration with Building Stronger Universities (BSU) II (Renewable Theme), KU – funded by Denmark Fellowship Center (DFC), DANIDA



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Erasmus + Project

- Ms. Ylva Teleman from Lund University, Sweden is conducting pre-study on insulation scenario in buildings of Nepal for development of course under the project
- Goal of the project: to develop a new Master program on Energy Efficient Building Technique (EEBT)

Undergraduate Project call for 2015-16

- 13 undergraduate projects call for 3rd and 4th year Mechanical engineering students
- 11 projects related to hydropower, 1 in pump and 1 in wind turbine

Publications

- Rajkarnikar Bidhan, Neopane Hari. P., Thapa Biraj S., 2015, Comparative study of sediment erosion on alternative designs of Francis runner blade, International Journal of Fluid Machinery and Systems [IJFMS], Vol. 8, No. 3, July-September 2015 ISSN (Online): 1882-9554