

## Assessment of diploma work supervisor

Title: **Feasibility study for power generation off-grid hybrid system in rural area of Ethiopia**

Name of student: **Mathewos Erabo Basore**

Student's task was to make both basic technical and economical evaluation of the electricity supply with renewable sources in small village in Ethiopia. The theme of the diploma thesis is standard but applied to unusual location compared to standard studies in the CR. Student prepared an analysis of the potential electricity demand in the village and created a plan of the electricity network with diesel, photovoltaic and wind sources. This project was evaluated from the economic point of view and finally the scenario analyses were conducted. This is the second version of diploma thesis reworked and refined during this semester.

My cooperation with student and coordination of work on diploma thesis was much better compared with previous version. He communicated with me and we met regularly. Finally, he accomplished all guidelines of the diploma work successfully but some of them are solved in a very basic level.

From the technical point of view the necessary calculations were accomplished and described. The author studied the load diagrams of the village and designed the network using his calculations. My opinion is that this part of the diploma thesis is the most satisfactory one.

Formal level of the work was substantially improved nevertheless the top level was not reached. The current level of the diploma thesis is acceptable now. Citation and references are made in acceptable manner.

The final assessment of the diploma work is

**– E sufficient –**

31. 5. 2024

Ing. Martin Beneš

