

## OPPONENT'S OPINION OF DIPLOMA THESIS

Study programme:	International Territorial Studies
Department:	Territorial Studies
Author of thesis:	Bc. Tomáš Stankovič
Name of thesis:	Cost-benefit analysis of energy development aid: a case of Ghana
Supervisor of thesis:	Doc. Ing. Petr Blížkovský, Ph.D.
Opponent of thesis:	Ing. Samuel Antwi Darkwah, Ph.D.

**TYPE OF DIPLOMA WORK:** applied

**ASSESSMENT OF THESIS:** (always add verbal comments)

### 1. COMPLIANCE WITH REQUIRED ASSIGNMENT:

The chosen topic; "Cost-benefit analysis of energy development aid: a case of Ghana " is a topic under serious discussions in Ghana today. The present energy crisis in Ghana has affected the countries economy seriously. Many businesses have closed down and the problem needs a sustainable solution and which this thesis tries to deal with. The topic is well formulated with clear objectives and hypothetically assesses the given problem as already described above..

### 2. WORK WITH ACADEMIC LITERATURE:

Enough literature and extensive website references have been used and they provide the theoretical base for the student's own research work. Different approaches were used to solving the given problem with extensive references and citations made to justify his research findings.

### 3. CONTENT LEVEL OF WORK:

The author was logical, coherent and consistent in his contribution to solving the given problem.

### 4. CONTRIBUTION TO PRACTICE, ORIGINALITY:

The analysis performed by the author seems to outline the main problems of the energy crisis in Ghana. The country at the moment depends very much on hydroelectric power which of course due to climate change which has also affected rainfall patterns resulting in low levels of the Volta lake during certain parts of the year. When the lake was constructed in the early 1960's the for energy was very low and Ghana even exported the surplus energy to the neighbouring countries, but now due to the rapid growth in population in the past three decades, domestic as well as industry demand have rapidly increased resulting in illegal connections and thereby low revenues for the electricity

corporation. The thesis therefore gives a practical contribution to the problems at stake.

5. ADEQUACY OF THE CONCLUSIONS, RECOMMENDATIONS, PROPOSALS:

The conclusion is well formulated with adequate recommendations made to boost provide alternative solution to the present energy crisis in Ghana a

6. FORMAL LAYOUT:

The format and structure of the thesis, and the use of English language is very good.

### **SPECIFIC REMARKS AND COMMENTS ABOUT THE THESIS:**

There are some shortfalls in the thesis which needs to be addressed. There is a lot of confusion in the labelling of tables, figures and graphs. Graphs and figures have been labelled tables: see pages 9, 10, 16, 12 etc. The table on pages 18 and 19 should have been on the same page. There are no headings for table 5 on page 16, figure 3 on page 20 and tables 7, 8 and 9 on page 22. There are also few spelling mistakes e.g. the last sentence on page 29 “char” instead of “chart”. There are a lot of things missing in the financial part of the work. The student should have prepared a cash flow for the whole project period and further use it to calculate the Payback period, the Net Present Value, the Internal rate of return and the Profitability index to evaluation the feasibility, viability and profitability of the project.

During the defence, the student should analyse the domestic incomes level of the people in the chosen region and show their ability to afford the price of proposed energy.

What measures will the student put across to ensure the sustainability of the project that will bring a lasting solution to the energy crisis in the chosen area.

On page 51, paragraph 2, line 3, the student indicated a 9% rate of return on the investment project. The student should explain how he came by this figure.

**DEFENSE OF THESIS:** recommended

**FINAL CLASSIFICATION PROPOSAL:** C

Date: 9.6.2015

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Signature of oponent