

FINAL YEAR PROJECT REPORT

Diploma in Mechanical Engineering
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SHAH ALAM

"Criteria That's Needs of Hydropower in Peninsular Malaysia"

Prepared by :

ZAILANI BIN SABALUDIN

AZIDAH PUTERI BTE BUANG

SAIDIN SYAZLI BIN HAJI ROSLI

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INTRODUCTION

Basically, our report is about “ criteria that’s needed for a hydropower station in Peninsular Malaysia” . The purpose of this project to do a study on a feasibility of a location that has been pointed out to have a potential as a hydropower station. A part from that, it also produce electric power to the nation to the future.

In our study, we are considering the siding torch of electricity, how it generates, application in Malaysia and Peninsular Malaysia. The analysis of hydrology, water passages selection, environment, economic analysis and power station.

In the nut sheel,this study is to determine the criteria that needed in a hydropower station.

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1.0 HYDROPOWER ENGINEERING

Introduction

Our country, Malaysia is rapidly developing as to achieve vision 2020. Due to that, we need the large amount of electrical power. In Malaysia, the source of electricity are :

1. Steam station
2. Hydro station
3. Diesel station
4. Gas turbine

From this sources, it will be distributed to various appliances and it goes to :

1. Domestic
2. Commercial
3. Industrial
4. Public lighting

In this report, we only emphasize on the sources which come from hydro station that situated in Peninsular Malaysia. That is, how to select a place that have a potential to become a hydropower station.

In our research we found that electrical power consumption from four sources that have been mentioned earlier is increasing about 184.88 % from 1989 until 1993.