

HIGHER TECHNICAL INSTITUTE

NICOSIA - CYPRUS

CIVIL ENGINEERING COURSE

DIPLOMA PROJECT

DESIGN A TRANSMISSION TOWER IN  
STEEL WORK

BY

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# **DESIGN OF A TRANSMISSION TOWER**

**BY**

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# CHAPTER 1

## INTRODUCTION

### 1.1 ABOUT THE PROJECT

The project aim was to carry out the calculations of a 132 KV transmission tower. Transmission tower is the cheapest and effective way of electrical power transfer from the electric generation source (EAC Power Station), to the local small transformers before the electric power reaches the consumer. For these reasons transmission tower are encountered very often.

Although the electric power generation created by oil operating power stations will gradually be reduced because of the increasing electrical supply coming from the wind and the sun namely aiotic and solar energy, power station and transmission towers will be necessary for a very long time ahead.