

HIGHER TECHNICAL INSTITUTE
NICOSIA – CYPRUS

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

Academic Year 1999/2000

Project Number: E.1215

Title: **Design of the Electrical Services of a Workshop in a Power Station**

Objectives:

1. To design the complete electrical installation of a workshop within a power station complex which includes the following:
 - (i) Power
 - (ii) Lighting
 - (iii) Telephone distribution
 - (iv) Fire alarm
2. To provide all necessary diagrams schedule of materials and costing including labour.

Terms and Conditions:

1. Three-phase 415 Vrms 50Hz, T.T. earthing system
2. Architectural drawing will be provided
3. The IEE Wiring Regulations 16th Edition as currently amended and the local EAC conditions of supply must be complied with.
4. The illumination design must be in accordance with the CIBS code.
5. CYTA requirements to be taken into consideration

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ABSTRACT

This project deals with the design of the electrical services of electrical - mechanical workshops and stores at Vasilikos Power station.

The main objectives are:

1. To design the complete electrical services for Workshop building include the following:
 - a) Fire alarm system
 - b) Telephone installation
 - c) Power Factor Correction
2. To study the illumination engineering work involved.
3. To provide all necessary diagrams, schedule of materials and costing including labor.

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