

ELECTRICAL INSTALLATION
OF AN OFFICE BLOCK

Project Report Submitted by
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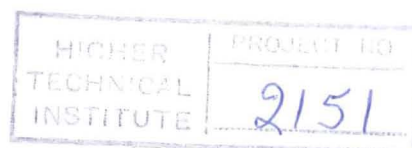
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SUMMARY

"ELECTRICAL INSTALLATION OF AN OFFICE BLOCK"

BY

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The project deals with the electrical installation of an office block.

The objectives of this project are

1. To design the electrical installation of an office block.
2. To study the illumination engineering involved.
3. To design the telephone installation.
4. To provide all the necessary diagrams, schedule of materials and costing, including labor.

First the illumination design was carried out and according to the results the lighting fittings have been marked on the drawings.

As a second step the electrical installation of the building was designed with compliance with the 15th Edition of the IEE Wiring Regulations. After the completion of the design and the drawings the main panel single line diagram was drawn and all the electrical connections were tabulated.

The third step was to design the telephone installation. The telephone points were marked on the drawings and all the necessary diagrams were drawn. Also the lists of connections were tabulated.

As a last step the probable cost of the installation was derived.

The main conclusion arising out of this design is that the theoretical results differ from what is applied in practice. So a good designer must be able to match his theoretical knowledge with his personal experience in the site to achieve the best design.

CONTENTS

	PAGE
SUMMARY.....	3
INTRODUCTION.....	4
<u>PART A</u>	7
<u>CHAPTER 1: ILLUMINATION</u>	8
1. GENERAL.....	9
2. UNITS, DEFINITIONS AND ABBREVIATIONS.....	9
3. SOLVED EXAMPLE.....	10
<u>CHAPTER 2: ELECTRICAL INSTALLATION</u>	26
1. INSTALLATION DESIGN PROCEDURE.....	27
2. DESIGN CALCULATIONS OF TYPICAL LIGHTING CIRCUITS.....	27
3. DESIGN CALCULATIONS OF A TYPICAL RING CIRCUIT	31
4. DESIGN CALCULATIONS OF A TYPICAL RADIAL CIRCUIT.....	34
5. SUPPLY FOR THE COOKER	36
6. SUPPLY FOR A TYPICAL A/C UNIT CIRCUIT.....	38
7. SUPPLY FOR A TYPICAL WATER HEATER CIRCUIT.....	40
8. SUPPLY FOR LIFT ROOM.....	42
9. SUPPLY FOR WATER PUMPS.....	44
<u>CHAPTER 3: DESIGN CALCULATIONS FOR SUPPLY CABLES</u>	46
1. GENERAL.....	47
2. DESIGN CALCULATIONS FOR SUPPLY CABLES.....	48
3. SHORT CIRCUIT PROTECTION.....	66
<u>CHAPTER 4: FAULT LEVEL CALCULATIONS</u>	67
1. FAULT LEVEL CALCULATIONS.....	68
2. RESULTS.....	68
<u>CHAPTER 5: SINGLE LINE DIAGRAMS</u>	69
1. SINGLE LINE DIAGRAM OF MAIN PANEL.....	70
2. ELECTRICAL DIAGRAMS OF CONNECTIONS.....	71
<u>CHAPTER 6: TELEPHONE INSTALLATION</u>	81
1. GENERAL.....	82
2. CALCULATIONS OF CONDUIT DIAMETERS.....	82
3. CONDUIT SCHEMATIC.....	83
4. WIRING SCHEMATIC.....	84
5. LISTS OF CONNECTIONS.....	85

<u>PART B</u>	87
<u>CHAPTER 1: COSTING</u>	88
1. GENERAL.....	89
2. COST ANALYSIS.....	90
<u>CHAPTER 2: CONCLUSIONS</u>	92
1. CONCLUSIONS.....	93
<u>CHAPTER 3</u>	94
1. REFERENCES.....	95
2. ABBREVIATIONS.....	96
<u>PART C</u>	97
<u>CHAPTER 1: APPENDICES</u>	98