

- Foreword
- Preface
- Acknowledgements
- About the Author
- Estimation of Plant Electrical Load
- Gas Turbine Driven Generators
- Synchronous Generators and Motors
- Automatic Voltage Regulation
- Induction Motors
- Transformers
- Switchgear and Motor Control Centres
- Fuses
- Cables, Wires and Cable Installation Practices
- Hazardous Area Classification and the Selection of Equipment
- Fault Calculations and Stability Studies
- Protective Relay Coordination
- Earthing and Screening
- Variable Speed Electrical Drivers
- Harmonic Voltages and Currents
- Computer Based Power Management Systems
- Uninterruptible Power Supplies
- Miscellaneous Subjects
- Preparing Equipment Specifications
- Summary of the Generalised Theory of Electrical Machines as Applied to Synchronous Generators and Induction Motors
- Appendix A Abbreviations Commonly used in Electrical Documents
- Appendix B A List of Standards Often Used for Designing Electrical Systems and for Specifying Equipment
- Appendix C Numbering System for Protective Devices, Control and Indication Devices for Power Systems
- Appendix D Under-Frequency and Over-Temperature Protection of Gas-Turbine Driven Generators
- Appendix E List of Document Types to be Produced During a Project
- Appendix F Worked Example for Calculating the Performance of a Gas Turbine
- Appendix G Worked Example for the Calculation of Volt-drop in a Circuit Containing an Induction Motor
- Appendix H Worked Example for the Calculation of Earthing Current and Electric Shock Hazard Potential Difference in a Rod and Grid Earthing System
- Appendix I Conversion Factors for SI System of Units
- Index