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Autore	Begamudre Rakosh Das
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Nota di contenuto	Cover; Foreword; Preface to the Third Edition; Preface to the First Edition; Contents; Chapter 1 Introduction to EHV AC Transmission; Chapter 2 Transmission Line Trends and Preliminaries; Chapter 3 Calculation of Line and Ground Parameters; Chapter 4 Voltage Gradients of Conductors; Chapter 5 Corona Effects-I : Power loss and Audible Noise; Chapter 6 Corona Effects-II : Radio Interference; Chapter 7 Electrostatic and Magnetic Fields of EHV Lines; Chapter 8 Theory of Travelling Waves and Standing Waves; Chapter 9 Lightning and Lightning Protection Chapter 10 Overvoltages in EHV Systems Caused by Switching OperationsChapter 11 Insulation Characteristics of Long Air Gaps; Chapter 12 Power-Frequency Voltage Control and Overvoltages; Chapter 13 EHV Testing and Laboratory Equipment; Chapter 14 Design of EHV Lines Based-upon Steady State Limits and Transient Overvoltages; Chapter 15 Extra High Voltage Cable Transmission; Bibliography; Answers to Problems; Index
Sommario/riassunto	About the Book: Modern power transmission is utilizing voltages between 345 kV and 1150 kV, A.C. Distances of transmission and bulk

powers handled have increased to such an extent that extra high voltages and ultra high voltages (EHV and UHV) are necessary. The problems encountered with such high voltage transmission lines exposed to nature are electrostatic fields near the lines, audible noise, radio interference, corona losses, carrier and TV interference, high voltage gradients, heavy bundled conductors, control of voltages at power frequency using shunt reactors of the switched type which