

# Installation, Maintenance and Repair of Electrical Machines and Equipments


## About the Book

This book is primarily intended to serve as a textbook in accordance with the syllabus of Installations and Maintenance of Electrical Equipment, Electrical Installation Maintenances and Testing, Installation Maintenance & Repair of Electrical Machines & Equipment offered by various polytechnics in various states of India. This book introduces the Method of Installation, Repairing, Maintenance & Testing of various electrical machines and equipments covering basics information of various types of electrical equipment and machines. It then proceeds to cover various topics including troubleshooting of various machines (like DC Machines, AC Machines, Transformers, Circuit Breakers, Storage Batteries, Transmission Lines and Underground Cables etc. Preventive Maintenance of various types of the machines and transformer, earthing of various machines and equipment, repairing of different parts of the machines, transformers etc. This book includes the various methods of installation and commissioning of various types of the machines and equipments. This book also covers Maintenance of Insulation, Insulation Testing, and Oil Purification, Electrical Accidents and Safety Rules and Regulations as per Indian Electricity Rules.

## Salient Features:

- Book provides very clear, systematic description of various topics in a very simple style.
- Unique introductory chapter describing scope and organizing of electrical maintenance department.
- Independent and comprehensive coverage of various topics including relays, types of batteries, log book, job card, various types of tools used in maintenance of electrical machines, repairing of different parts of the various electrical machines.
- Port-to-port approach.
- Chapter summary at the end of every chapter.
- Large number of unsolved questions.
- Large number of figures providing the text a visual approach.

## About the Author

 Madhvi Gupta is working as an assistant professor in Institute of Foreign Trade and Management, Moradabad in Electrical Department. She has three years of experience of teaching in Electrical Engineering. She has done her B.Tech from Moradabad Institute of Technology, Moradabad. And done research on the topic "Placement of FACTS Devices". She has done her M.Tech from Institute of Foreign Trade and Management, Moradabad, and carry her research work on the topic "Study of COORDIC Algorithm and its Application". She has a number of papers in various national and international journals to her credit. Now a days, she is pursuing Ph.D from Uttar Pradesh Technical University, Lucknow. Her area of research is "Placement of FACTS Devices for Congestion Management".

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4825109, Rajesh Mahal, Dr. Subhash Bhargav Lane,

Gurgaon, Delhi Medical Association, Deeg Road, New Delhi-110002

Phone: +91-11-23253489, 23253324, 23253324, 23253489

e-mail: kataria00005@gmail.com, kta@skk.com

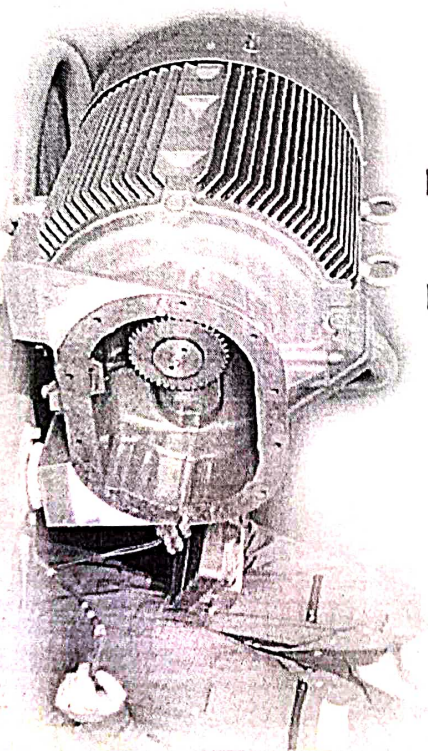
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*Santosh Prasad*  
Registrar  
IFTM University  
Moradabad.