

# POWER PLANT ENGINEERING

## About the Book

Power Plant Engineering is a comprehensive textbook created for students of B.Tech (Mechanical Engineering, Mechanical & Automation Engineering, Electrical Engineering, Electrical & Electronics Engineering). This book is also useful for students preparing for AIEEE, GATE, IIT-JEE, IIT-JAM, IIT-JEE (Advanced) examinations.

The book covers complete syllabus prescribed by AICTE model curriculum 2013, various universities, institutes, IITs etc. It contains large number of solved numerical problems, diagrams, tables etc., for easy comprehension. Various pedagogical features such as chapter summary, list of formulae, essay type questions, numerical problems and short answer type questions are provided for practice and understanding. A multiple choice question bank is also provided at the end of the book to prepare for competitive exams. It covers syllabus of subjects like power station practice, thermal power generation, energy sources, energy technology etc. It is written by a power generation engineer turned as academic and complete matter is planned well.

## About the Author



Prof. (Dr.) Tanmoy Deb graduated in electrical engineering from IIT, Kharagpur with distinction and gold medal. He did M.Tech (Power Systems & Drives), M.Tech (Control & Instrumentation), M.B.A and M.Phil (Management). He was awarded Ph.D. in electrical engineering by Jamia Millia Islamia (Central university). He has authored 5 textbooks and 10 research publications. He is member of 12 professional societies and was honorary secretary (Confidential) of Indian Institution of Industrial Engineers for ten consecutive terms (2006-07 & 2007-08). He has 20 years of experience in academia and industry. He was awarded silver medal in Wharton of India by Managing Director (south east Asia). His industrial visit includes 10 years in Tata and international companies in power generation.

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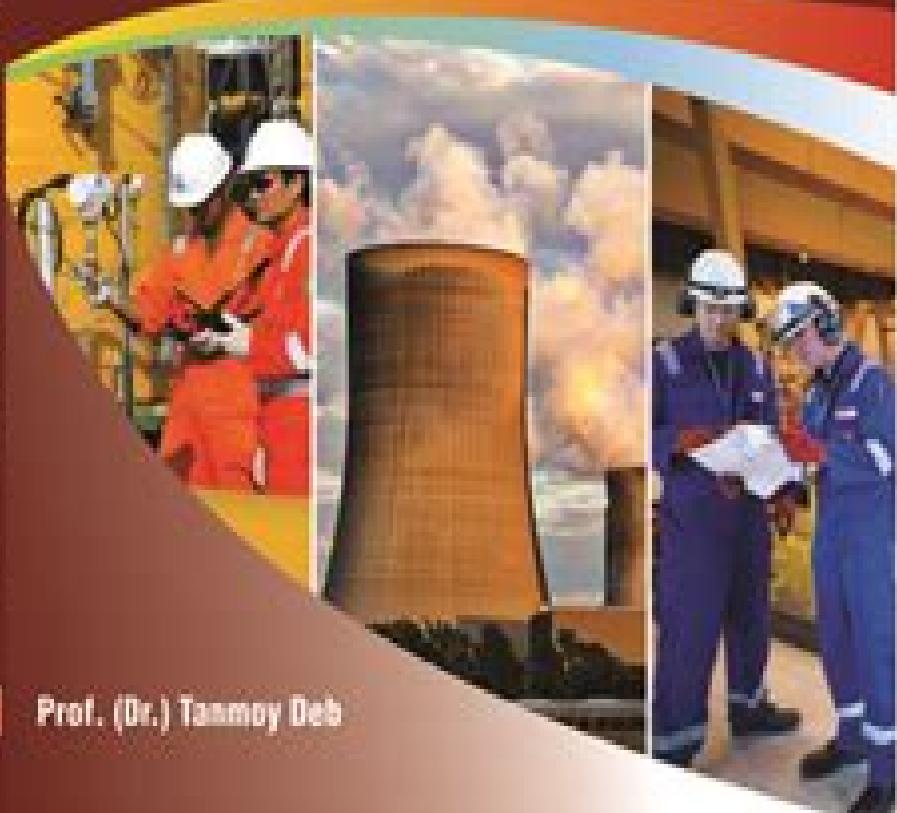
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# POWER PLANT ENGINEERING

# POWER PLANT ENGINEERING

(Electrical Power Generation, Power Station Practice)



Prof. (Dr.) Tanmoy Deb



# Mechanical Engineering Text Book Power Plant With Answer

**Shivkumar Raghuvanshi**

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*The Mechanical Engineering of Power Plants* Frederic Remsen Hutton,2015-06-12 Excerpt from The Mechanical Engineering of Power Plants This book has been undertaken with two distinct objects in view and according to a principle suggested by these objects The first and primary intention is to provide a book to serve as a text book in class room work in a University which makes the education of engineers a part of its duty This object has given the book its form and has determined its arrangement It must have been observed by every instructor that the most enthusiastic class of students who follow engineering in the schools are those who have had a previous experience in the shop or in the power house which has made them familiar with the conditions which there prevail and has brought to their attention questions for which they have sought to find answers It is the wish of its projector that so far as that condition can be met by any book whatever this book should put all students of engineering somewhat upon the footing of these fortunate persons It must therefore present the machinery and appliances of the power house before the reader's mind from the practical or experimental side and make him familiar with the power plant in its various forms and seek to familiarize him with the solutions which experience and good judgment have proposed for problems of this sort It is believed that with this knowledge and with the training in the weighing of advantages and disadvantages which attach to any given solution the student is most satisfactorily fitted to take up as a later feature of his engineering study those principles of mechanics physics and thermodynamics upon which all successful practice must ultimately rest About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books Find more at [www.forgottenbooks.com](http://www.forgottenbooks.com) This book is a reproduction of an important historical work Forgotten Books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy In rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition We do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works

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