



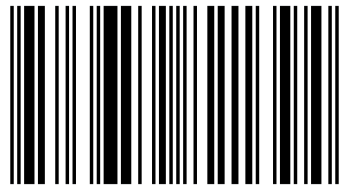
This book gives a basic knowledge of the regulated power system and how it is changing to deregulated power system for the betterment of the electrical system. It shows the basic structure of both the systems and the reason for its transformation. It gives the overview of different transmission pricing methods & power tracing. Power tracing is done based on the MW-Mile method, which uses Bialek's upstream tracing algorithm to allocate usage-based transmission cost to generators, is used here to calculate embedded cost. It takes into account the magnitude of power and distance traveled by power transaction but it does not generate any signal for capacity expansion of transmission line of the network. A case study based on 5 bus test system, 14 bus test system, 30 bus test system & 57 bus test system is used to illustrate the working of the proposed technique. Further, the comparison of the transmission pricing methods is done to find out the most efficient method of transmission pricing. In the restructured operation of power systems, the economics governs the transactions and security and stability issues are taken care of by the independent system operator.

Raju Chaudhary
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Transmission Pricing

Deregulated System and Pricing Methods

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978-3-659-82139-4

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LAP LAMBERT Academic Publishing

Impressum / Imprint

Bibliografische Information der Deutschen Nationalbibliothek: Die Deutsche Nationalbibliothek verzeichnet diese Publikation in der Deutschen Nationalbibliografie; detaillierte bibliografische Daten sind im Internet über <http://dnb.d-nb.de> abrufbar.

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Bibliographic information published by the Deutsche Nationalbibliothek: The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the Internet at <http://dnb.d-nb.de>.

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Coverbild / Cover image: www.ingimage.com

Verlag / Publisher:

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OmniScriptum GmbH & Co. KG

Bahnhofstraße 28, 66111 Saarbrücken, Deutschland / Germany

Email: info@omniscryptum.com

Herstellung: siehe letzte Seite /

Printed at: see last page

ISBN: 978-3-659-82139-4

Zugl. / Approved by: Ahmedabad, Gujarat Technological University, Diss., 2015

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ACKNOWLEDGEMENT

I wish to express my deep gratitude to my project guide Asst. Prof. Dharmistha Makwana, Department of Electrical Engineering, Kalol institute of technology and research Centre, Kalol (GTU) for his constant guidance, encouragement and support. I warmly acknowledge and express my special thanks for her inspiring discussions and infallible suggestions.

I am also grateful to Asst. Prof. Kiran A. Patel, Head of Department, Department of Electrical Engineering, Kalol Institute of Technology and Research Centre, Kalol & Dr. G. R. Kulkarni, Principal, Kalol institute of technology and research Centre, Kalol and Mr .A. K. Patel, Chairman, Kalol institute of technology and research Centre, Kalol for giving me opportunity to perform the project under the premises of Kalol institute of technology and research Centre, Kalol.

I would also like to thank all other faculty members who have helped during this project work. I wish to express my special thanks to lab assistants and other staff members for their regular help and co-operation during the project work.

I would like to thanks Prof. H. N. Raval, Asst. Prof., Government Engineering College, Modasa for extending timely support whenever required.

I would also like to thanks to all my colleagues, our HOD sir, Principal sir, and the college management of Aditya Silver Oak Institute of Technology, Ahmedabad to support me and provide me the atmosphere for work.

I am highly obliged to my parents for their motivation, support and sacrifices for me. I wish to also thank my friends for their help and co-operation during the work. Also I would like to thank all who have directly or indirectly helped me in any stage of the project work.

Last but not the least I would like to thank the Almighty for providing me mental and physical strength to carry out the project work in time.

RAJU BHEMABHAI CHAUDHARY

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