



Energy Conservation in Buildings

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Product Description

This book has the basic motive to guide the postgraduate and research students working in the field of energy conservation. This is to cater the strong need felt by the students pursuing the course on energy Conservation in Buildings during their M. Tech. and PhD studies. I have tried to compress the subject matter from the view point of research students. The different simulation techniques, such as Power DOC-2, BSIM 2000, e-Quest, which are extensively used in the energy conservation in buildings, have been added for quick references.



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Chapter 1: Introduction. **Chapter 2:** History of Energy Conservation in Building. **Chapter 3:** Simulation Techniques of Energy Conservation in Building. **Chapter 4:** Passive System of Energy Conservation in Buildings. **Chapter 5:** Passive cooling Methods for Building in Hot and Dry Climate. **Chapter 6:** Energy Auditing and Radiation Cooling of Building in hot and Dry Climate. **Reference**

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O.P. Jakhar Dr. O.P. Jakhar: Started his teaching carrier in 2000 as lecturer in Mechanical Engineering Department as Shri Balaji College of Engineering and Technology (SBCET, Jaipur). Further he served Stani Memorial College of Engineering and Technology, Phagi, Jaipur and Ajmer Institute of Technology, Ajmer as Senior Lecturer. Dr Jakhar joined Maharana Pratap University of Agriculture and Technology, Udaipur as Assistant Professor in 2005. At Presently he is serving at Govt. Engineering College, Bikaner as Associate Professor in Mechanical Engineering department since 2008. His areas of interested are Heat Transfer, Fluid Mechanics and Machines, Steams Power and Thermal Engineering. Dr. Jakhar is life member of ISTE and Indian Geological Congress (IGC) he has guided 10 M.Tech. dissertations and published more than 40 research papers. Dr. O.P. Jakhar got commissioned as Lieutenant in NCC in 2005 and presently he is serving as Captain at 7 Raj. BN. NCC, Bikaner.

