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Electrical System Designing Made Simple

By Rajiv Shankar

Viva Books. Paperback. Book Condition: new. BRAND NEW, Electrical System Designing Made Simple, Rajiv Shankar, While designing an electrical substation, engineers face several questions: What is the load the substation has to cater for? What can be the future increases in the load? What are the voltages at which power will be received and fed? Will the load be industrial or domestic? How can one decide if the substation will be indoor-type, or located outdoors? Have the environmental factors been taken into account? What are the safety requirements for different types of substation? Electrical System Designing Made Simple answers all these questions and comprehensively covers all the aspects of designing an electrical substation. The subjects include: General aspects of substation designing Transformers Power control centre HT and LT cable Bus-duct Capacitor bank Grounding Battery Diesel generating set The Software: The user-friendly software can perform all the basic calculations required while designing a substation. It helps the user prepare the specifications which are to be attached with a tender document. The 'Library' feature lets the user store details of various electrical equipments from different manufacturers. Because there are in-built formulas, no calculation needs to be done on paper, and all the...



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