

Sood

Railway Steel Structures

Fabrication and Erection

This book covers the basics of fabrication of railway steel structures. It covers the various types of steels, steel sections and structures involved along with fabrication methods. Further, some basics of design, handling and launching of fabricated components are covered including case studies covering the consequences of errors or shortcuts adopted during fabrication. The latest trends in steel construction, adoption of steel for fast-paced construction, pre-engineered structures and use of steel for station redevelopment projects are also covered. This book aims to help the reader deliver economical and good-quality structures speedily without time and cost overruns. This book: • Introduces readers to the advantages and challenges of using steel as a material for railway bridges and other structures. • Covers instructions and practices for fabrication of railway steel bridges duly linking with other aspects like design and erection to provide 360° view. • Reviews the latest developments in the field including new materials, fabrication techniques and types of structures being adopted. • Includes case studies to underline the importance of good fabrication practices and consequences of ignoring the same. This book is aimed at civil and mechanical engineering professionals connected with fabrication and erection of railway steel structures.

This book covers the basics of fabrication of railways steel structures, types of structures involved, and design. The launching/erection methods and processes are covered including case studies covering the consequences of errors or shortcuts adopted during fabrication.

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RAILWAY STEEL STRUCTURES

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