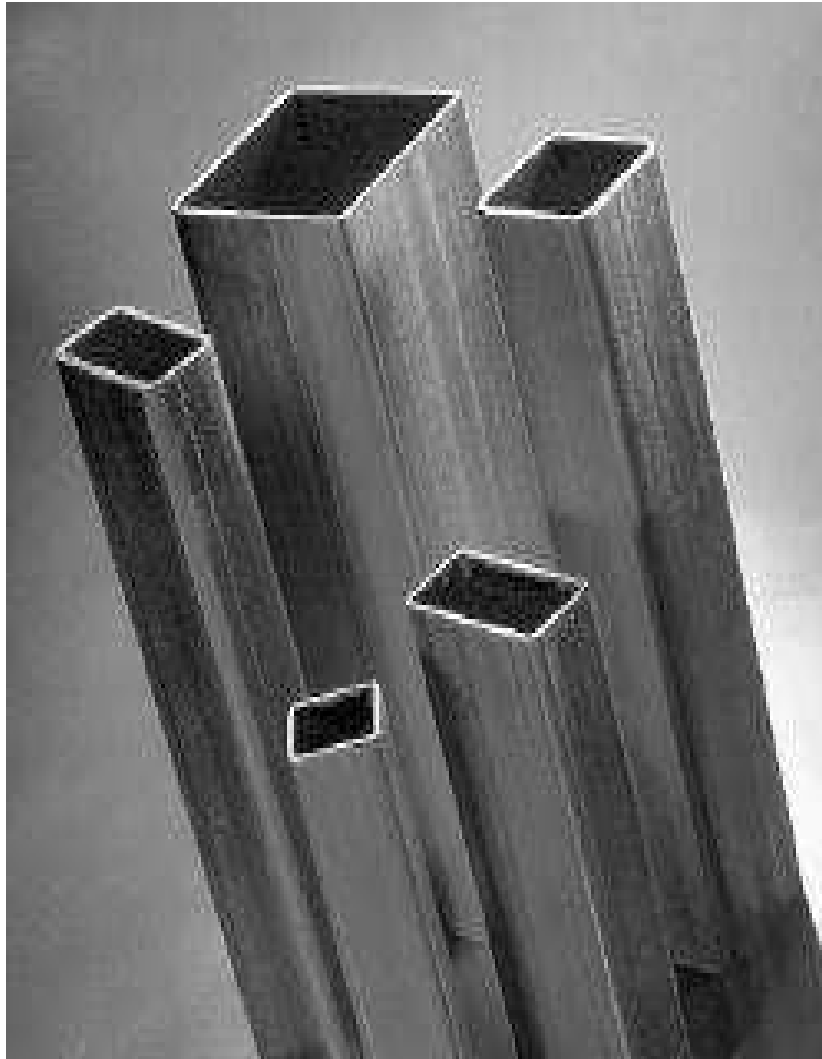


Guidebook for Fabrication & Erection of Steel Structures Using Steel Hollow Sections



Institute for Steel Development & Growth

Guidebook for Fabrication & Erection of Steel Structures

- Using Steel Hollow Sections

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FOREWORD

This publication was prepared by Mr. Goutam Chakraborty, Senior Manager (Civil & Structural) based on project work carried out by him in INSDAG under the guidance of Dr. T. K. Bandyopadhyay, Joint Director General, who has finally reviewed the technical contents of the document. INSDAG is obliged to Dr. S. K. Ghosh, Professor & Ex- Head, Department of Civil Engineering, Bengal Engineering and Science University, Shibpur, Howrah - 711103, Dr. H. S. Patil, Dean (Admn.) & Professor, Applied Mechanics Department, Sardar Vallabhai National Institute of Technology, Surat - 395007 and TATA Steel who have reviewed the document and made their valuable suggestions, which has improved the quality of the publication. Suggestions received from eminent structural engineers and academics of reputed engineering colleges / universities have also been considered.

Dr. R. K. P. Singh, Director General and Dr. T. K. Bandyopadhyay extended all necessary facilities to bring out the publication.

This publication is an outcome of the detailed study for methodology of Fabrication and Erection of Steel Hollow Sections and their aesthetic contribution both for rural and urban sector for better and efficient use of steel hollow sections. With this objective, INSDAG has developed some typical connection designs of cost-effective structures made from steel hollow sections keeping in view the easeness in fabrication and strength of the joints. Various types of connections and their applicability to specific structures are also included in this guidebook. The handling and storing of these closed structural have also been covered indicating some of vital aspects of corrosion resistance of the sections.

The preparation of this guide was funded by INSDAG members and their support is gratefully acknowledged.

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