Guide Book on Fire Protection of Steel Structures

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Guide Book on Fire Protection of Steel Structures
PREFACE

The collapse of the World Trade Center and the subsequent engineering analysis of the structural behavior of these buildings in the fire condition have led to a new appreciation of the respective roles of the fire protection and structural engineers in structural fire safety design. Regrettably, safety no matter how sophisticated cannot prevent fires. Therefore fire protection is very crucial. Keeping this in mind this Guide Book is published to offer architects, designers, contractors, building occupiers and others, effective selection criteria for the use of Passive Fire Protection Systems in steel structures with reference to cellulosic fire only, as we believe that prevention is better than a confident proactive Fire Protection concept for your buildings.

It includes detailed of steel section sizes including section factor concept and contains details of some proprietary materials for the benefit of the specifier or user. It is hoped that this guidebook will provide an insight to readers into the important questions concerning to fire proofing of steel structures.

This guidebook is the outcome of dedicated efforts put in by Mr. Jayanta Kr. Saha, Sr. Manager (Applications) under the expert guidance of Dr. T.K. Bandopadhyay, Jt. DG, INSDAG in preparing contents. INSDAG places on record of appreciation of dedicated efforts put in by Mr Saha & Dr. Bandopadhyay in bringing out this publication and also the support & guidance extended by Mr. A C Sarkhel, Mr. Nimish Sura, Mr. K K Mitra, Mr. Sanjeev Angra, Mr. B Ramakrishnan, Mr. Vinod Sharma and Mr. Goutam Chakraborty.

Care has been taken to ensure, that all data & information contained herein is accurate to the extent. All the users are requested to directly interact with the manufacturers/suppliers for their own assessment. It is hoped that this guidebook will serve the long awaited need of supervisors and practicing professionals.

Date: 1st April 2004

Dr. R.K.P.Singh
Director General
## Usefullness of This Guide Book

The Table is intended to help various professionals to find their way through the guidebook.

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✔️ Useful for Information

## Disclaimer

The responsibility of the Institute is limited only to the compilation of information from various journals, reference books, product catalogues and extensive web search. The users of the guidebook may please verify the contents with the manufacturer, installer, and product catalogues etc. The Institute is in no way responsible for these.