

PRACTICAL GUIDE BOOK ON DERAILMENTS

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**Executive Engineer (Retd.)
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Blue Circle Publication, India

Practical Guide Book on Derailments

First Impression 2017

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*To
Mother & Father
With
Love and Respect*

Preface to first Impression

The author has dealt with the subject of derailment in all respects exclusively when he had opportunity to study the subject at depth as Assistant Divisional Safety Officer at Bhusawal on Central Railway and efforts have been made to compile the book in such manner to wide coverage of the subject in the form of fundamental practical aspect rather than theoretical analysis, because theoretical analysis books available in the market are not fulfill the demand in the field of derailment / unusual, Henceforth without knowing the basic design of assets of individual department, we cannot reach to our goal, This book is an updated version with a completely new looks incorporating the latest details of assets of all departments generally involving in derailments,

The author express his gratitude to Shri Subodh Jain, Member Engineering (Retd.), Shri Chetan Bakshi, Commissioner of Railway Safety (Retd.), Central Circle, Shri S.K. Agarwal Principal Chief Engineer and Shri Praveen Mishra Chief Safety Officer Western Railway Churchgate, Mumbai for encouraging and guiding me to publish this book.

The Author also pay regards to respected Late parents Smt Beni bai and Shri Chhakki Lal for their kind blessing.

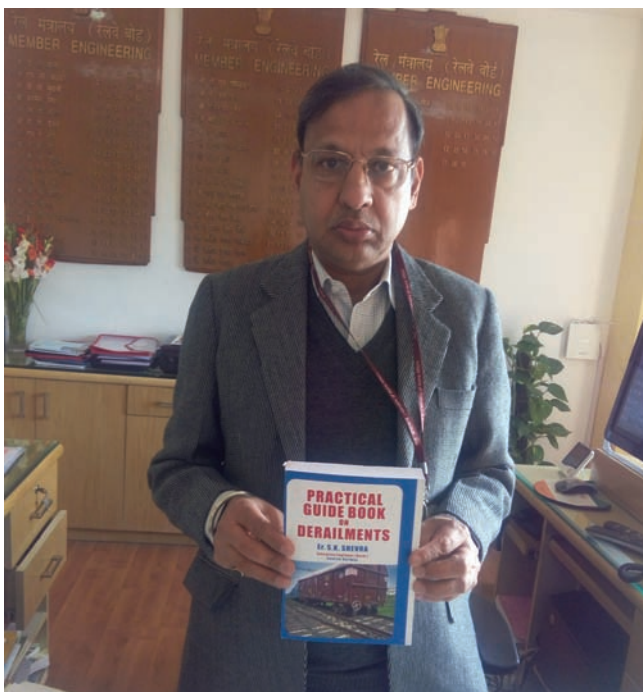
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Date 14-11-2016

Retired Executive Engineer(Bridge & Flood)
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Hon'able Shri A.K. Mittal, Member Engineering Rly. Board and Ex-officio Secretary to Government of India inaugurated Practical Guide Book on Derailments written by Shri S.K. Shevra, Retired Executive Engineer (Bridge & Flood), Manmad, Central Railway in his chamber at New Delhi on 22-11-2016.

एस. एन. अग्रवाल

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FOREWORD

I am very happy to note that Shri S.K. Shevra, Retired Executive Engineer from Central Railway has written a book titled "**Practical Guide Book on Derailments**". Not many reference books are available on this critical subject and the author has made commendable efforts in compiling the information. The information is compiled in six chapters covering various facets of the derailment i.e. General, Track, Rolling Stock, Locomotives, Operating and S&T. Basic important issues of different departments have been covered in the book and I am quite hopeful that the book will be of great help to the field supervisors dealing with derailments.

Author has made sincere efforts to explain the integrated mechanism of derailment in a very simple language supported by illustrative sketches, relevant reference of various rule books have also been included. The author has also worked in Safety Department in Central Railway gaining experience by attending a lot of derailments in his tenure which has helped him in compiling the information in a logical and useful manner.

I congratulate and commend Shri S.K. Shevra for his work.



(S.N. Agrawal)

Principal Chief Engineer

Place: Mumbai

Date : 11th August, 2016

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FOREWARD

There have been number of books available on derailment with the theoretical aspect. The author has compiled this book covering all aspects and essential basic knowledge relevant to major departments normally found involved in an accident/derailment i.e. P.Way, C&W, S&T, Loco and Traffic.

I can confidently say that **"Practical guide book on derailment"** written by **Shri S.K.Shevra**, Executive Engineer(B&F)Manmad(Retired), Central Railway, will be single hand book in present scenario and helpful to Indian Railway officials in a authentic way to solve the practical issues developing in the accident/derailment.

I wish and congratulate Author Shri S.K.Shevra for his enomour efforts for his work.


(Praveen Kumar Mishra)
Chief Safety Officer
Western Railway

Place : Churchgate
Date: 27.09.2016

Acknowledgment

The absence of an updated publication on the subject covering the state of art and latest instructions was actually felt, to fill up the gap and produce a documentation which would be useful for all practicing Railway Engineers on Indian Railways

The Author is in deep gratitude to following eminent officers of Rly Board. ED S&T (Tele/D) Shri Shobhan Chaudhary, Dir. Civil (L&A) Shri Ramesh Kumar, Dir. Mechanical (M/W) Shri Jayant Kumar, Dir Traffic (PM) Shri Vikram Singh and SDGM WCR JBP, Shri O.P. Singh and our colleagues of IRICEN Pune Integrated Batch No 614 of 2006 -07 who have been created interest and appreciation in the subject, SDSO Shri J.S. Rathore NWR JU, XENs S/Shri M.K.Baweja NWR JU, M.C.Verma NWR JU, S.B Bankapur SWR UBL, B.S.Bargoti SCR AK, T.K. Bhowmich NFR GTY, Smt Pallabi Borthakur NFR GTY, Mahesh Chand NR NDLS, H.S. Siddhu NR NDLS, D.Bhaskaran SR CEN TBM, K.R. Sampath SR AJJ, P.Nallamuthumanickam SR SA, P.K.Ghose ECoR Khurda, P.Goswami SECR NGP, S.R.Jaruriya WCR BPL, Mohd. Idrish WCR KOTA, S.K.Ojha ECR PNBE, Maoranjana Prasad ECR, R.R.Singh ECR, S.K. Piplodiya WR IND and ADENs K.K. Das SER HWH, A.K. Mandal ER HWH and IRTMTC Batch CE 34 of 2011 S/Shri B.B.Garg ADEN NDLS NR and T.G. Jadhav Dy COM (PL) CR CSTM, S.S. Pawar ADME (W/S)CR PR, D.D. Lolge Sr DEN (N) SUR.

In addition to above my grateful thanks are due to my numerous colleagues and friends who were the initial inspiration in authoring this book during working in Safety Department, for the most valuable help and suggestions rendered by Safety counselors Shri A.K. Kanojiya and Instructors Shri P.P. Dewedi, Shri S.K. Trivedi CR ZRTI BSL and Shri S.Muthalgan SR CETC/TBM, Shri A.J. Patil SSE (P-Way) BSL for preparing this publication. Readers are requested to send their valuable suggestions for improvement and rectification to errors and omission, if any, which will be accept grateful.

Gratitude is also due to my wife Smt Shyama Devi Shevra and relatives Dr M.K. RamKrishna CMS Pune, friends and well-wishers whose great help have enabled me to publish this book at great personal inconveniences.

Place

S. K. SHEVRA

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Retired Executive Engineer(Bridge & Flood)

Date 14-11-2016

Manmad Central Railway

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