TEXTBOOK OF

Mineral Processing

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To my Wife
Krishna Veni
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This book “TEXTBOOK OF MINERAL PROCESSING” has been written to cater the needs of undergraduate students of Mining and Metallurgy Engineering and postgraduate students of Applied Geology as most of the universities have a compulsory paper of Mineral Processing in their courses of study. This is first of its kind and a concise book for Mineral Processing to cover their syllabus otherwise one need to refer several books to deal with the syllabus.

Various aspects of the Mineral Processing have been dealt and explained in an easy to understand manner in this book. Simple numerical calculations necessary for evaluation of the processes have also been incorporated. A chapter “Coal Characterization” has also been included in this book for the benefit of those students who have washability characteristics of coal in their syllabus. Further, the present practices of processing of ores and coal in India have been dealt.

It is believed that the subject is presented in this book will be appreciated by the students and realize the importance of mineral processing and motivate them to choose Mineral Processing as one of the stepping stones in their professional carrier. It is hoped that this book will serve as a first book for Mineral Processing students to understand the basic principles of mineral processing and their applications.

I sincerely appeal the readers to communicate their feedback on the contents and suggestions for improvement which will be useful to incorporate in future editions.

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Acknowledgements

First of all I would like to thank the management of GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY, Rajahmundry for giving me an opportunity to teach Mineral Processing for the students of Mining Engineering which prompted me to think of writing a separate book on Mineral processing for Mining and Metallurgy Engineering and Geology students.

I am grateful to Dr. T.C. Rao, Formerly Director, Regional Research Laboratory, Bhopal, and Professor and Head of the department of Fuel and Mineral Engineering, Indian School of Mines, Dhanbad, Sri A.L. Mohan, Formerly Principal, S D S Autonomous College, Garividi, and my colleagues Sri Y. Ramachandra Rao and Sri K. Satyanarayana for their encouragement and help in writing this book.

I thank my students who helped me in identifying the extent of coverage of each topic in this book suitable to those this book is primarily intended. I am thankful to Scientific Publishers India for accepting this book for publication and took pains and all the care in publishing in short period.

Support and help from my daughters Mrs. Radha Rani and Mrs. Lalitha Rani while preparing this book is invaluable.

I am indebted to Dr. C. Raghu Kumar, Head, Ore Beneficiation, Process Technology group, Tata Steel Ltd., Jamshedpur, for going through the script patiently and help to finalise with his critical remarks.

I thankfully acknowledge the following organizations for permitting to use respective photographs:

- edart, South Africa
- FRITSCH Milling and Sizing
- Lavallab.com
- Jayant Scientific Industries, Mumbai
- Mogensen
- Deister Concentrator, LLC
- JXSC Mining, China
- Deister Machine Co. Inc

Poppet sampler
Rotary Cone splitter
Rotary table splitter
Table model & Ro-tap sieve shakers
Divergator, Sizer, Grizzly
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