

ACKNOWLEDGEMENT

The author wishes to express his deep sense of gratitude to Dr. Pankaj K. Patel, Lecturer, Dept. of Geology, M. S. University of Baroda, under whose guidance and supervision the present investigation was conducted. Without his constant and unreserved inspiration, the author would not have been able to complete this research.

The author would like to thank Prof. S.J. Desai, Head, Dept. of Geology, M.S. University of Baroda, for providing necessary help and facilities. Heartfelt thanks are also due to Prof. D.R. Gadekar and Prof. N.M. Vashi.

The co-operation of the Gujarat Mineral Development Corporation personnel and private mine owners was essential throughout the course of this research. The author is also thankful to Dr. S.R. Nayak and Shri Mustak Shaikh, Space Application Centre, ISRO, Ahmedabad, for their guidance in interpreting satellite imagery.

The author would also like to heartfully thank his friends and colleagues, Dr. S.I. Vaid, Dr. S.F. Barodawala, C.D. Patel, Ravi Pillai, P.M.V. Prasad, N.S. Gogate, M.A. Limaye and Dr. A.V. Joshi for their help and moral support.

The author would like to thank Shri C.P. Mistry and Shri B.M. Chauhan for their help in preparing line drawings and photographs respectively.

(ii)

The author would like to thank all the staff members and research fellows of the Department of Geology for their kind co-operation and support.

The painstaking efforts of Shri D.M. Mohite, Shri S.I. Shah, Shri Harshad Patel and Shri Kiran Shah in the preparation and printing of the thesis is highly appreciated.

The author owes a great debt to his family members, relatives and friends, for their constant encouragement, gave the necessary strength and inspiration to undertake and complete this research.

The author offers special thanks to his Wife, Kavita, who had remained very understanding during the time when writing seemed to take up all the available time.

ARUN B. OJHA