ACKNOWLEDGEMENT

I take this opportunity to express my gratitude and sincere thanks to Dr. N. Sharma, Department of Geology, M. S. University of Baroda, for the help, concern and guidance during my research tenure. Completion of this work has provided me an opportune moment to highlight the immense help and guidance provided by Prof. L. S. Chamyal.

Registrar, M. S. University, Dean Science Faculty and Prof. M. P. Patel, Prof. P. P. Patel, Prof. S. Ganapathi (former Heads) and Prof. N.D. Desai, Head department of Geology, are duly acknowledged for their help and support during my research work.

Special thanks to Dr. S. J. Patel, Dr. N. P. Bhatt, Dr. D. M. Maurya, Prof. K. C. Tiwari, Dr. B. S. Deota, Dr. M. A. Limaye, Dr. S. I. Vaid and Dr. A. V. Joshi, Department of Geology, M. S. University of Baroda for the encouragement and help all through the thesis work.

I am grateful to Dr. Bhawanisingh G. Desai, Dr. Naresh Mulchandani, Shri Sumit Dabral, Shri Victor, Dr. Uday Bhonde, Dr. Sunitkumar Biswas and Mr. Darshak Shah for constant support, co-operation and contribution in the academic content in the thesis work. Shri Kenneth Christian, Shri Mukesh B. Parmar, Smt. Dhruva, Smt. Thite and other non teaching staff have been source of inspiration to me, I sincerely thank them.

I am thankful to the authorities at GMDC, HQ-Ahmedabad and Rajpardi in general and Shri Dinesh Pancholi, Mr. Riten Desai, Geologists, GMDC, in particular for their valuable help and logistical support and information sharing on the mining and geology related to the area.

I convey my heartfelt gratitude to my family members for encouraging me and helping in their own way towards my research work completion.

C. P. Mistry