I sincerely express my gratitude and heartfelt thanks to my guide Dr. Nikhil Desai, Professor, Department of Geology, MS University of Baroda for the inspiration, endless encouragement and able guidance given to me throughout the period of my Research work.

I am thankful to the Senior Deputy Director General, Western Region, Geological Survey of India, Jaipur for permitting me to do the research work. I am also thankful to the Deputy Director General, Operations Gujarat, Geological Survey of India, Gandhinagar and Prof. P.P.Patel, Head of the Department of Geology, MS University, Baroda for providing necessary facilities for carrying out the present work.

Thanks are also due to Sri P.C. Bakliwal Director, Technical and Co-ordination, Western Region, Geological Survey of India, Jaipur and Dr. K.C. Tiwari, Reader, Geology Department, MS University of Baroda for their support and encouragement in completing the work.

Finally, my heartiest thanks to all my well wishers who made my dreams true.

Indra Prakash