ACKNOWLEDGEMENTS

It is a pleasant privilege for me to convey my inexplicable indebtedness to Dr. R.K. Trivedi, Reader, Deptt. of Appl. Geology, Dr. H.S. Gour V.V., Sagar, to whom I am so deeply indebted that I do not find words to express my feelings of gratitude adequately. He has been intimately associated with the preparation of thesis and each word of this thesis bears the imprint of his learned guidance, indefatigable help and unremitting inspiration. I offer my most sincere thanks to him. I am proud of being his research scholar. I am also thankful to Mrs. Meena Trivedi for her cup of tea & moral support throughout my work.

I am equally thankful to Dr. S.N. Pandey, Reader, Deptt. of App. Geology, Dr. H.S. Gour V.V., Sagar, for his constant encouragement and fruitful critics. His personal knowledge of Remote Sensing & Photogeology was of great help to me. It is no exaggeration to say that without his inspiration and day to day affectionate gestures the work simply could not have been completed.

It is a matter of great pleasure at this moment to express my sincere thanks to Prof. S.K. Babu, Head, Deptt. of App. Geology, Dr. H.S. Gour V.V., Sagar, for his valuable suggestions & ungrudgeing help in providing the departmental facilities.

Today I remember Late Prof. G.N. Saxena, Deptt. of App. Geology, Dr. H.S. Gour V.V., Sagar, who had initially encouraged me for Ph.D. registration. His memories will last in my heart throughout my life time.

I record my gratitude to Dr. P.P. Roday, Reader, Deptt. of App. Geology and Dr. L.P. Chourasia, Reader, Deptt. of App. Geology,
Dr. H.S. Gour V.V., Sagar, for their constant inspiration and stimulating guidance.

I am thankful to Dr. Rajurkar, Director, G.S.I., Nagpur, Mr. Farooqi, Sr. Geol., G.S.I., Nagpur & Mr. Dube, Sr. Geol., G.S.I., Nagpur, for extending the facilities to carry out the part of this work (Aerial photo mapping) in the laboratory and providing me necessary information from the library.

I wish to extend my sincere thanks to Dr. D.N. Mishra, Director General, NAPCOST, Mr. S. Khan, Resource Scientist, K.S. Mishra, Resource Scientist and Narendra Choubey, Scientist, for kindly providing the facilities to study satellite imagery & necessary suggestions during the work at R.S.A.C. at Bhopal.

I owe sincere thanks to Diamond Cement Works, Narsingarh, Damoh and especially to Dr. Majumdar, Sr. Geol., DCW, Mr. A.K. Jain, Geol., DCW, Mr. A.K. Godrae, Geol., DCW, for their consistent help during my field work.

I am grateful to Mr. Y.B. Katpatal, Prabhat Diwan, Dr. Ajay Verma, Mr. Chandra M. Mishra and Ashutosh I. Guru for their active co-operation & consistent help.

My acknowledgements are also due to Ground Water Deptt., Sagar and especially to Mr. Agrawal, Sr. Chemist, GWD, Sagar, for his help in water sample analysis.

Thanks are due to G.N. Shrivastava and Mr. Yogendra Agrawal, Mr. Shyam Sipaliya for their kind help.
Last but not least, my deep heartest thanks to my father Padamshri Prof. Laxminarayan Dubey, Dean Faculty of Arts, Dr. H. S. Gour V. V., Sagar and to my loving mother Mrs. Rama Dubey whose fathomless love and tremendous encouragement were a constant source of insipration to me.

Finally, I wish to express my heartiest thanks to my elder brothers Dr. Rajiv Dubey, Dr. Sanjeev Dubey and Dr. Neeraj Dubey and also to my both the bhabhi's Mrs. Ranjana Dubey and Mrs. Shraddha Dubey and loving Rupansh for their overall assistance, appreciation and encouragement throughout my work.

[ NISHITH DUBEY ]