ACKNOWLEDGEMENT

It gives me great pleasure to record my deepest gratitude and indebtedness to my esteemed teacher and supervisor, Dr. L.P. Chourasia, Reader, Department of Applied Geology, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.), for his inspiring and able guidance, sympathetic understanding, continuous encouragement and unfailing interest during the entire course of this research work. He gave his valuable time, good suggestions and whole hearted co-operation for completion and present shape of this work.

I am grateful to Prof. S.N. Pandey, Head, Department of Applied Geology, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.) for providing necessary facilities to carry out this research work.

I owe my sincere and best regards to my teachers who always helped me like a good friend and guided like a elder brother. I am highly thankful for their help, necessary guidance and encouragement.

I also wish to express my thanks to Prof. V.K. Nayak, Professor Emeritus, Prof. P.O. Alexander, Dr. R.K. Trivedi, Reader, Dr. A.K. Sandilya, Reader, Dr. P.K. Kathal, Reader, Department of Applied Geology, Dr. H.S. Gour Vishwavidyalaya, Sagar (M.P.) for their constant inspiration and encouragement.

I am thankful to the vice-chancellor, Registrar, Dy. Registrar (Admn.) and Dean, who permitted me to do work on this topic.

I am thankful to Shri Alok Jain, Assistant Engineer, Department of Irrigation, Sagar for providing me the necessary help. My acknowledgements are also due to
Groundwater Survey Department Sagar, and especially to Shri Mahendra Jain, Geological Assistant and Mr. P.K. Agrawal, Sr. Chemist, G.W.D., Sagar for his help in analysing the water samples. I express my thanks to Shri Rakesh Jain, Geological Assistant, Groundwater Survey Department, Damoh, who is posted now as Geohydrologist of Bargi Dam Project, Bargi, Jabalpur (M.P.) for their co-operation in field work and providing the necessary help pertaining to this work and give me necessary information about my field. I am also thankful to the officials of the Water Resources Departments and Tube Well Departments of Sagar and Damoh for their co-operation and providing necessary data.

It is very difficult for me to express my gratitudes in words for those who never used any word for my innumerable shortcomings. They just went on correcting all my mistakes in their own ways. In place of words only my tears come out when I remember obligations of Parampoojya Acharya Guruvar Shri Vidyasagar ji Maharaj, Munishri Chhamasagarji Maharaj, Munishri Samtasagar ji Maharaj, Munishri Pramansagar ji Maharaj, Yelakshri Abhaysagarji Maharaj, Chhullakshri Dhairyasagarji Maharaj and Munisangh. They sustained continous encouragement and sympathetic inspiring me the entire course of this research work. His ‘Ashirvad’ boost-up my moral thought and power, without which the work could never have been completed.

I wish to express my sincere thanks to Dr. (Mrs.) Ashalata Malaiya, Head, Department of Sanskrit, Govt. Girls College, Sagar, Mrs. Somwati Jain, Mrs. Pushpa Jain, Mrs. V.B. Chourasia, Miss. Vibha, Mrs. Subha, Miss. Vinita, Miss. Mona Khandhar, I.A.S., Miss. Chandrakanta, Dr. (Miss.) Ravikanta, Dr. (Miss.) Rashmi, Miss. Deepti, Miss. Tripti & Miss. Amita, for their moral support throughout my work.
Today, I remember my Nanaji Late Shri R.C. Singhai and My Mamaji Late Shri R.C. Singhai, who had initially encouraged me for Ph.D. registration. His memories will last in my heart throughout my life.

I would not like miss this opportunity to express my thanks to my friends and wellwishers - Shri B.L. Jain, Shri S.C. Jain, IAS, Shri Vimal Malaiya, Shri S.C. Singhai, Shri Mahendra Jain, Shri A.P. Jain, Delhi, Shri M.P Jain, Delhi, Shri Jindendra Jain, Delhi, Mr. Padam Lahri, Dr. Sudhir Jain, Mr. Manish, Mr. Ashish, Mr. Avadhesh Singhai, Mr. Akhilesh, Mr. Arvind, Mr. Vivek, Mr. Sanjeev, Mr. Saurabh, Mr. Santosh, and several others who have directly or indirectly helped me in the completion of this work.

Thanks are due to Shri G.N. Shrivastava, Mrs. Meena Sarvaiya, Shri Rajaram Patel, Network Computers & Shri Surendra Jain, Rahul Typing Centre for their meticulous care in doing their jobs.

Last but not least, I wish to offer my sincere gratitude and profound regards from the core of my heart to my beloved mother Mrs. Kamla Jain and sister Miss. Sadhana Jain for their blessings which helped me in completing this task, whose valuable co-operation, fathomless love, tremendous encouragement were a constant source of inspiration to me. They were bearing smilingly all sufferings during the entire course of the work. They are real sufferers waiting for me when I am away from home. They are the ones who pray God for my success, more than what I pray.

Finally, beyond all these names I pay my sincere and deep gratitudes towards "Chattari Mangals and Loguttamas" whose shelter converts all failures into success.

(Satyendra Kumar Jain)