ACKNOWLEDGEMENT

It is virtually impossible to acknowledge all the help received in the preparation of this thesis, yet a few persons must be acknowledged who, directly or indirectly, helped in the production of the final synthesis.

First, the author must show his indebtedness to the Supervisor DR. S.N. PANDEY, who despite his engrossment in the photogeology book-writing project, throughout guided this piece of research work and provided the satellite imageries, aerial photographs, literature and other laboratory facilities.

The author thanks Prof. W.D. West, Professor Emeritus, Prof. T.V.V.G.R.K. Murthy, Head Deptt. of Applied Geology, Prof. B. Das, Dean Faculty of Engineering, Dr. H.S. Gour Vishwavidyalaya, Sagar and Shri S.M. Mathur, Emeritus Scientist(C.S.I.R.) for the help and encouragement during the research work.

The author wishes to express his sincere thanks to Dr. S. Ramanathan, Dr. S.K. Guha, Dr. B. Sahay and S/Shri Y.S.N. Rao, V.S. Rao, P.G. Natu, V.R. Murty, I.A. Siddiqui and E.S.K. Naidu of the O.N.G.C. who provided necessary support to carry out the Ph.D. work.

The author must also thank Prof. K.B. Powar of the Deptt. of Geology, Pune University, Prof. A.G. Agarkar, Head Deptt. of Geology, Jabalpur University Prof. A.K. Roy and Prof. V.K. Jha of the Institute of Remote Sensing, Dehradun and Shri
L.L. Bhandari, Institute of Petroleum Exploration, Dehradun for the Laboratory and Library facilities provided for the research work.

The author is also thankful to Shri C.S. Joshi, Geologist G.S.I., for suggesting valuable improvements in the thesis and to Shri Kishor Waiker, D/Man, O.N.G.C. for neat drawing of various illustrations.


Last but not the least, the author places on record his great appreciation for the forbearance and patience of his fraternal clan and his wife ANSHU VERMA.

Naveen Kumar Verma