ACKNOWLEDGEMENT

Today, at the threshold of accomplishing a major task, I look back to find that it may not have been possible without the blessings, guidance and support of my family, teachers and friends.

I consider it a privilege to have worked under the supervision of Dr. K. N. Singh, Proctor & Professor, School of Studies in Earth Science, Vikram University, Ujjain (M.P.). Their indispensable guidance, critical suggestions and stable encouragement inspired me to complete the assignment within a stipulated time span.

I wish to express my gratitude and deep regards towards Dr. P. Dev, Professor and Head, School of Studies in Earth Science, Ujjain (M.P.) for their keen interest and for providing me all the necessary permission and possible facilities in the Institute.

I am indebted to my teacher Dr. P. K. Verma, Professor, School of Studies in Earth Science, Ujjain (M.P.) for imparting me their prized suggestions and encouragement.

My earnest thankfulness is to Mr. Upadhyay (Asset Manager, O.N.G.C. Ltd., Ankleshwar Asset, Gujarat), Mr. Hemant Kumar (Chief of Personnel and Administration, Ankleshwar Asset, Gujarat), Mr. S. K. Bhatia (Manager, Personnel and Administration, Ankleshwar Asset, Gujarat), Mr. V. S. Joshi (Senior Geologist, O.N.G.C. Ltd., Ankleshwar Asset, Gujarat), Mr. H. S. Parmar (Reservoir Geologist, O.N.G.C. Ltd., Ankleshwar Asset, Gujarat), Mr. Bhagat (Geologist, O.N.G.C. Ltd., Ankleshwar Asset, Gujarat), Mr. Divesh Kumar Singh (Geologist, O.N.G.C. Ltd., Ankleshwar Asset, Gujarat) for providing relevant permissions and all other facilities including accommodation during the course of fieldwork.
I gratefully acknowledge Mr. R. Mishra (EA to ED Chief, KDMIPE, Dehradun, Uttarakhand), Mr. Anand Gupta (Supt. Palynologist, Palynological Div., KDMIPE, Dehradun, Uttarakhand) and Dr. R. P. Singh (Chief Geologist, Institute of Reservoir Studies, O.N.G.C. Ltd., Ahmedabad) for permitting and providing necessary facilities to consult study material.

My sincere regards and thankfulness is towards Mr. Dixit (Director (SAIF), CDRI, Lucknow) for providing necessary facilities of Gas Chromatography and Chemical analysis. I am also thankful to Dr. V. W. Bhagwat (Head, S. S. in Chemistry, Vikram University, Ujjain) and Mr. Khattri (Chief Chemist, Water Works Department, Ujjain) for providing necessary permission of water quality study.

During the entire tenure of my work, my friends and colleagues have been a stable source of support, advice and cooperation. I earnestly thank my seniors Dr. S. Jain and Dr. R. K. Singh, who have always boosted me with their selfless assistance and suggestions in high times as well as low.

I feel at a total loss for words to rightly express my indebtedness towards Dr. S. K. Dhanoria and Miss R. Sharma have endowed me their unconditional supports and encouragement to pursue my work with unremitting enthusiasm.

My sincere thanks also go to my colleagues Mr. A. Dixit and Miss P. Sharma for his constant encouragement and moral support which has contributed significantly in total research work.

I would like to avail this opportunity to thank the non-teaching staff members of this department, especially Mr. R. S. Bhatt (Librarian), Mr. A. Khamaru (Lab. Technician) and Mr. K. Jain (Librarian) for their assistance. I also appreciate my critics who have unknowingly helped to complete my task with rebound interest.
Last but not least I would like to pay my heartiest regards to my family members Mr. Kunjbihari Bhatt, Mrs. Kamala Devi Bhatt, Mr. Dinesh Bhatt, Mrs. Sandhya Bhatt, Miss Varsha Bhatt, Miss Anshali Bhatt, Mr. Akshat Bhatt and Mr. Sanjay Sharma for their constant encouragement and valuable guidance in my life, without their support and help it was not possible to do so.

Date:

Place: Ujjain (M.P.)

(Avadhesh Bhatt)