

ACKNOWLEDGEMENT



In first place, I express my deep sense of gratitude to my guide Prof. D. T. Shete, Ex-Director of Water Resources Engineering and Management Institute (WREMI), Faculty of Tech & Engg., The M. S. University of Baroda. I am indebted to him for his invaluable affectionate guidance, constant inspiration and constructive suggestions at every stage.

I sincerely thank Dr. A.M. Prabhakar, Advisor, Gujarat Council on Science and Technology, who sanctioned my research scheme worth Rs. 5,00,000/- to carry out research work on field.

I express my sincere thanks to Dr. Raman, Advisor, Gujarat Green Revolution Company Ltd. for his valuable suggestions during the research work.

My sincere thanks to colleagues Dr. T.M.V.Suryanarayan for his support during the research work.

My special thanks to Ms Heta Shah, Ex-Research Investigator, WREMI, for her support in conducting field experiments.

I express my sincere thanks to Bhumi Bhatt and Neha Patel, Temporary Lecturer, WREMI for their support during the time of my research.

I am very much thankful to Kuldip Patel and Shilpa Parmar & Nikita Bhatia for their support in research work.

I am also thankful to Shri J.D. Vyas, Computer Operator WREMI for his support in establishing computer network in laboratory, preparing this thesis and DVD.

I am very thankful to Shri G.K. Patel, Lab Assistant, WREMI for extending his helping hand in the field during the course of my research work.

I am very much thankful to Shri R.G. Prajapati, Temporary Technical Assistant, WREMI for his support in field during my research work.

I am also thankful to Shri A.D. Choksi, Sr.clerk,for his support whenever required during the course of my research work.

I am very much thankful to Shri G.J. Darji, clerk, WREMI for his support during my research work.

My special thank to Shri Sombhai .J. Chauhan, Peon, WREMI for his invaluable help during the entire period of my research work.

I am thankful to Shri Yakub Patel, Driver, WREMI for his kind support and patience during the entire period of my research work.

I am thankful to Shri L.G. Rabari, peon, WREMI for his support during the time of my research work.

I express my sincere thanks to my post-graduation students specially Devika Joshi, Namita Tiwari and Puja Rupapara, who helped in my research work.

I am thankful to Shri Ghanshyambhai Patel for timely providing materials for the research work.

I am very much thankful to Shri Jitendra Panchal,Technician, Instrument Research Associate, Bangalore for his continuous support and sincere efforts to maintain the instruments used in this research work.

My heartiest thanks to Dr. Vaijayanti D. Shete, for her nurture and parental concern towards me in times of need.

I have special words of thanks for my parents, Ms Ramilaben V. Soni and Late Shri V.P. Soni., who showed me the path to go for higher studies and this research work, is the result of their continuous support which was like a back bone for me. I dedicate this thesis to my father.

I am thankful to my brother Prashant V. Soni, who encouraged me to carry out the research work.

I would also like to thank my parents in law Shri M.A. Parekh and Smt M.M. Parekh for their kind support and cooperation.

I don't have words to thank my beloved ones Mr. Pritesh Parekh, my husband and my son, Shrey for their invaluable assistance & encouragement without whom this study would not have been possible.

Finally, If at all I have not been able to give the credit by announcing his/her name as an individual who has helped me directly or indirectly in my research work, then I take this opportunity to thank every individual wholeheartedly.

Place : Vadodara
Date : 11/10/2010


Falguni Parekh