

ACKNOWLEDGEMENT

Foremost thanks to my supervisor Prof. G.T. Thong, Department of Geology, Nagaland University for his constant guidance throughout my research work. He has never given up hope and had always been an encouragement in this scientific research. I am grateful and remain indebted to Dr. Spong temjen, for his contribution and expertise in digitization throughout this work.

I would like to extend my special thanks to Prof. S. Ibotombi and Mr. Shamatomba, Department of Earth Sciences, Manipur University for the Direct Shear Test facilities and expertise in geotechnical analysis.

My heartfelt gratitude to my husband Renilo Nuh who have been my source of support morally, physically and technically throughout the research work. My heartfelt gratitude to my only sister Welo-u Khalo for always giving up other works just to take care of my kids so I can do my work.

I owe my loving thanks to my parents, my in- laws and my two sons. Without their prayer, encouragement and support it would never have been possible for me to finish this work.

Sd/-
(MENIELE KHALO)