Acknowledgement

First of all, I would like to thank my supervisor Prof. G. Das for giving me the opportunity to pursue my Ph.D. work under her guidance in the Department of Statistics, NEHU. My serious interest in Sample Survey, which is my field of research, grew when I was a Post Graduate student at IIPS, Mumbai. The Institute is involved in large scale data collection on population studies and there we learnt about the different sampling techniques being used for these data collection.

After my return from IIPS, I was eager to continue my studies to enhance my statistical skills in demographic studies. It was then that I came to the Center for Applied Statistics, NEHU (now a Department), where I met Prof. G.Das. We discussed at length about our common areas of interest and finally she agreed to let me work for a Ph.D. program at the University under her supervision and I am grateful to her for giving me this opportunity. She had been encouraging and helpful in every way in sharing ideas, giving valuable suggestions and comments throughout my research work.

To my family, I would say that it would be a dream comes true for my mother Smt. S.Khongji and father Mr. T.Diengdoh to see me completing my Ph.D. My mother has inspired, encouraged and supported me a lot for the same. I am also grateful to my wife and friend Mrs. S. Kharbhih for her cooperation and continuous moral support that has enabled me to complete this work.
My thanks also goes to Dr. M.K. Das, Dr. T.K. Chakrabarty and Dr. S.K. Jha from the Department of the Statistics, NEHU, who have encouraged and given valuable suggestions that enabled me to perfect my work. I express my gratefulness to all my colleagues and especially to Dr. A.K. Das, HoD in the Department of Basic Sciences and Social Sciences, NEHU, for their encouragement and support to be able to complete my work.

My sincere thanks goes to the library staff of the Delhi University who gave me the opportunity to access the library and from where I was able to obtain research articles related to my work. I am also grateful to Varghese, Deputy Librarian of the Indian Statistical Institute, Kolkata, for providing me with important research papers in connection with my work. I express my gratitude to the library staff of the Indian Agricultural Statistics Research Institute, New Delhi, who helped me to access the library and also reproduced the articles required by me for my research work. I am extremely grateful to the Library staff of my own University who had helped in every possible way, helped me to locate the journals, books, data and other important documents.

Lastly, my acknowledgement goes to the staff of the Department of Statistics, NEHU, Ms. Mariamma, Mr. Francis and Ms. Pershalyne and also to the staff of the Department of Basic Sciences and Social Sciences, NEHU, Ms. Donna, Mr. Steve and Mr. Maxwell for their kind co-operation.

December, 2009

Phrangstone Khongji