LIST OF TABLES

Table 2.1 Seismic zone of India (According to IB: 2002). 47
Table 4.1 Estimated Source Parameters. 98
Table 5.1 Results of thermal anomaly on daily basis for Bhuj. 144
Table 5.2 Results of thermal anomaly on daily basis for Naliya. 157
Table 5.3 Results of thermal anomaly on daily basis for New Kandla. 166
Table 5.4 Analogy between rainfall event and an earthquake event. 194
Table 5.5 Annual total rainfall (mm) from 1991 to 2010 for three Observatories. 199
Table 5.6 Rainfall departures (mm) from 1991 to 2010 for three observatories. 200
Table 5.7 Total number of rainy days from 1991 to 2010 for all three observatories 202
Table 5.8 Number of heavy rainfall days from 1991 to 2010 for three observatories. 203
Table 5.9 Summary of results for rainfall analysis. 204
Table 6.1 Zone wise basic parameters for Bayesian analysis. 222
Table 6.2 Zone wise prior and posterior estimates of Bayesian parameters. 224