

LIST OF FIGURES

Figures	Title	Page
1.1	Location Map of Sardar Sarovar Command Area Phase-I	20
1.2	Study Area	21
2.1	Counter Map of Study Area	41
2.2	Rivers in study Area	42
3.1	Taluka Wise Distribution of Population	67
3.2	Sex Ratio	68
4.1	Soil Map of Study Area	138
4.2	Agro-Climatic Region –I Soil series Association	139
4.3	Agro-Climatic Region –II Soil series Association	140
4.4	Agro-Climatic Region –III Soil series Association	141
4.5	Agro-Climatic Region –IV Soil series Association	142
4.6	Soil Depth in Study Area	146
4.7	Soil Texture in Study Area	147
4.8	Availability Water Holding Capacity in Study Area	150
4.9	Soil Salinity in Study Area	153
4.10	Soil Alkalinity in Study Area	154
4.11	Sub Surface Drainage in Study Area	161
5.1	Land Irrigability Class in Study Area	167
5.2	Location of Bara Track	191
6.1	Movement of water through the hydrologic cycle	198
6.2	Rainfall Data Graph – 1981-1990.	204
6.3	Rainfall Data Graph – 1991- 2000	205
6.4	Area Coverage for Rain water Availability -1981 – 1990	212
6.5	Area Coverage for Rain water Availability -1991 – 2000	213
6.6	Location of Wells – (2058)	225
6.7	Location of Wells - (258)	226
6.8	Hydroisobath – 1981 (Pre Monsoon)	228
6.9	Hydroisobath – 1981 (Post Monsoon)	229
6.10	Hydroisobath – 2000 (Pre Monsoon)	230
6.11	Hydroisobath – 2000 (Post Monsoon)	231

6.12	Ground Water quality – 1981 pH – (Pre / Post Monsoon)	232
6.13	Ground Water quality – 1981 EC – (Pre / Post Monsoon)	233
6.14	Ground Water quality – 2000 pH – (Pre / Post Monsoon)	234
6.15	Ground Water quality – 1981 EC– (Pre / Post Monsoon)	235
6.16	Ground Water quality – 2003 Na– (Pre / Post Monsoon)	241
6.17	Ground Water quality – 1981 Mg– (Pre / Post Monsoon)	242
6.18	Ground Water quality – 1981 K – (Pre / Post Monsoon)	243
6.19	Ground Water quality – 1981 Ca– (Pre / Post Monsoon)	244
6.20	Ground Water quality – 1981 EC– (Pre / Post Monsoon)	245
6.21	Ground Water quality – 1981 pH – (Pre / Post Monsoon)	246
7.1	Irrigation Intensity 1980-81 and 2000-01	276
8.1	Breakup of Gross Cropped Area by Talukas -1980-81	287
8.2	Breakup of Gross Cropped Area by Talukas - 2000-01	288
8.3	Breakup of Gross Cropped Area by Regions -1980-81	289
8.4	Breakup of Gross Cropped Area by Regions -1980-81	290
8.5	Change in NSA	295
8.6	Change in Current Fallow Land	296
8.7	Change in Current Other Fallow Land	299
8.8	Change in Culturable waste Land	300
8.9	Change in Pasture and Grazing Land	303
8.10	Change in Forest Cover	304
8.11	Change in Cotton Cultivation	317
8.12	Change in Jowar Cultivation	319
8.13	Cropping Patter in Agro-climatic Region – 1980-81	328
8.14	Cropping Patter in Agro-climatic Region – 2000-01	329
8.15	Change in Rice Cultivation	331
8.16	Change in Bajra Cultivation	333
8.17	Change in Pulses Cultivation	335
8.18	Change in Groundnut Cultivation	337
8.19	Change in Sugarcane Cultivation	339
8.20	Change in Tobacco Cultivation	341
8.21	Change in Other Cereals Cultivation	342
8.22	Change in Wheat Cultivation	345
8.23	Ranking of Crops (1st)	349

8.24	Ranking of Crops (2nd)	350
8.25	Ranking of Crops (3rd)	351