LIST OF TABLES

Tables	Title Pag	ge	
1.1	Agro-climatic regions in Sardar Sarovar Project Command Area. 19		
1.2	Agro-climatic regions in Sardar Sarovar Project Area	23	
2.1	Temperature in Degree Centigrade (°C)	49	
2.2	Relative Humidity	49	
2.3	Summer Temperature in Degree Centigrade	51	
2.4	Temperature and Rainfall Pattern	54	
2.5	Decadal values of S.D and C.V	56	
3.1	Population In Study Area – 1981	,60	
3.2	Population In Study Area – 2001	61	
3.3	Change In Population: 1981- 2001	62	
3.4	Regional Distribution of Population Density	63	
3.5	Distribution of Rural – Urban Population	63	
3.6	Sex Ratio in Regions	64	
3.7	Submergence Villages and Project Affected Persons	72	
3.8	Resettlement of PAFs	73	
3.9	Social Infrastructure Facilities	74	
3.10	Summary of Socio-economic Characteristics of study area	77	
4.1	Brief Characterisations of The 11 Soil Orders	83	
4.2	Taxonomic Classification of Soil Series / Soil Zone in Phase–I	86	
4.3	Statement showing distribution of area in terms of soil series	143	
4.4	Depth of soil	144	
4.5	Soil Textural Groups up to 30 cm from surface	145	
4.6	Soil Textural Groups 30-90 cm from surface	145	
4.7	Water holding capacity of soils	148	
4.8	Soil Permeability	149	
4.9	Electric Conductivity of soils (EC)	151	
4.10	Soil pH	152	
4.11	Statement Showing Analytical Results of Typifying Pedons		
	for Different Soil Series under Command Area Phase – I	156	

4.12	Depth to ground water	160
4.13	Soil Drainability	160
4.14	Land Irrigability Class	162
6.1	Ground Water Resources Assessment in S.S.P. Command	
	Area Phase I	217
6.2	Irrigation Water Quality	238
6.3	Sodium Absorption Ratio (SAR)	238
6.4	Regional Distribution of Irrigation water Class	240
7.1	Evapotranspiration for Different Crops of Vadodara Region	263
7.2	Evapotranspiration for Different Crops of Bharuch Region.	264
7.3	Evapotranspiration for Different Crops of Dahod Region	265
7.4	Mean Monthly Solar Radiation Incident at the Earth's Outer	
	Space	
7.5	Mean Monthly Values Of Possible Sunshine Hours, Northern	
	Hemisphere	266
7.6	Fortnightly Net Irrigation Requirement In Region – I	267
7.7	Fortnightly Net Irrigation Requirement In Region – II	269
7.8	Fortnightly Net Irrigation Requirement In Region – III	271
7.9	Fortnightly Net Irrigation Requirement In Region – IV	273
7.10	Irrigation Potential in SSP Command Area Phase – I	275
8.1	General Land Use: 1980-81	283
8.2	General Land Use: 2000-01	284
8.3	General Land Use: 1980-81	297
8.4	General Land Use: 2000-01	297
8.5	Gross Cropped Area – 1980-81	310
8.6	Regional Cropping Pattern –1980-81	311
8.7	Gross Cropped Area – 2000– 01	312
8.8	Regional Cropping Pattern-2000-01	313
8.9	Region-I: Cropping Pattern–1980-81	320
8.10	Region-II: Cropping Pattern–1980-81	321
8.11	RegionIII: Cropping Pattern–1980-81	322
8.12	Region-IV: Cropping Pattern-1980-81	323
8.13	Region-I: Cropping Pattern–2000-01	324

8.14	Region-II: Cropping Pattern–2000-01	325
8.15	RegionIII: Cropping Pattern-2000-01	326
8.16	Region-IV: Cropping Pattern–2000-01	327
8.17	Projected Area Under Crops in Region I to IV in SSP	
	Command Area Phase-I (Under Irrigated and Unirrigated	
	Conditions	361
8.18	Total and Additional Production of Crops/Crops Groups	
	Across the Regions of SSP Command Area Phase-I	
	(Irrigated)	362
8.19	Total and Additional Production of Crops/Crops Groups	
	Across the Regions of SSP Command Area Phase-I	
	(Unirrigated)	363
8.20	Existing and Projected Yields (Irrigated) by Regions	364
8.21	Price of Crops	365
8.22	Land Holding In Region I To IV in SSP Command	
	Area Phase-I	372
8.23	Average Yield Per Unit Area (kg per ha)	376
8.24	Price and Percentage Area Under Selected Crops	377
9.1	Problems and Mitigation Measures for Sustainability of	
	Irrigation and Drainage Schemes	393
9.2	Environmental Impact Assessment Matrix for Region-I	398
9.3	Environmental Impact Assessment Matrix for Region-II	399
9.4	Environmental Impact Assessment Matrix for Region-III	400
9.5	Environmental Impact Assessment Matrix for Region-III	401