

LIST OF MAPS

Figure	Title	Page No.
1.1	Location Map	2
1.2	Relief and Drainage	4
1.3-A	Soil Types	10
1.3-B	Soil Fertility Status.	10
1.4	Variation in temperature from Normal.	19
1.5	Average Annual Rainfall in Panchganga basin.	21
1.6-A	Rainfall (Isohytes)	23
1.6-B	Intensity of Rainfall	23
1.6-C	Variability, average annual.	23
1.7-A	Annual Groundwater Recharge	29
1.7-B	Annual Groundwater Withdrawal	29
1.7-C	Feasibility of Wells.	29
2.1-A	No. of Wells, 1980.	38
2.1-B	Well Irrigation 1960-61.	38
2.1-C	Well Irrigation 1980-81.	38
2.2-A	Lift Irrigation 1960-61	41
2.2-B	Lift Irrigation 1970-71.	41
2.2-C	Surface Irrigation 1979-80.	41
2.3-A	Intensity of Irrigation 1960-61.	45
2.3-B	Intensity of Irrigation 1970-71.	45
2.3-C	Intensity of Irrigation 1980-81.	45

List of Maps (Contd.)

Figure	Title	Page No.
2.4-A	Density of Population 1961	51
2.4-B	Density of Population 1981	51
2.5-A	Wooden Ploughs 1960-61 and 1980-81.	58
2.5-B	Iron Ploughs 1960-61 and 1980-81.	58
2.6-A	Oil Engine 1960-61	61
2.6-B	Oil Engine 1980-81.	61
2.7-A	Electric Pumps for Irrigation 1980-81.	64
2.7-B	No. of Electric Pumps 1960-61.	64
2.7-C	No. of Electric Pumps 1980-81.	64
2.8-A	Density of Tractors 1960-61.	67
2.8-B	Density of Tractors 1980-81.	67
3.1	Hydroelectric Transmission Line	81
3.2	Power Consumption	86
3.3	Electrification from 1960-61 to 1982-83.	91
3.4	Progress of Rural Electrification 1960 to 1985.	93
3.5	Jackwells.	95
3.6	Location of Jackwells.	97

List of Maps (Contd.)

Figure	Title	Page No.
4.1	Land Utilization 1980-81.	106
4.2-A	Non Agricultural Land 1980-81.	110
4.2-B	Changes in Non-Agricultural Land 1960-1981.	110
4.2-C	Potential Agricultural Land 1980-81.	120
4.2-D	Changes in Potential Agricultural Land 1960-81.	110
4.3-A	Agricultural Land 1980-81.	114
4.3-B	Changes in Agricultural Land 1960-1981.	114
4.3-C	Net Area Sown 1980-81.	114
4.3-D	Changes in Net Area Sown 1960-81.	114
4.4-A	Fallow Land 1980-81.	118
4.4-B	Changes in Fallow Land 1960-81.	118
4.4-C	Food Grains 1982-83.	118
4.4-D	Changes in Foodgrain Area 1960-83.	118
4.5-A	Cereals 1982-83.	123
4.5-B	Changes in Cereals Cropping 1960-83.	123
4.5-C	Rice 1982-83	123
4.5-D	Changes in Rice Cropping 1960-83.	123

List of Maps (Contd.)

Figure	Title	Page No.
4.6-A	Jowar 1982-83	128
4.6-B	Changes in Jowar Cropping 1960-83.	128
4.6-C	Ragi 1982-83	128
4.6-D	Changes in Ragi Cropping 1960-83	128
4.7-A	Pulses 1982-83	131
4.7-B	Changes in Pulses Area 1960-83	131
4.7-C	Sugarcane 1982-83	131
4.7-D	Changes in Sugarcane Cropping 1960-83.	131
4.8-A	Groundnut 1982-83	136
4.8-B	Changes in Groundnut Cropping 1960-83.	136
4.8-C	Oil Seeds 1982-83	136
4.8-D	Changes in Oil Seeds Cropping 1960-83.	136
4.9-A	Intensity of Cropping 1980-81	141
4.9-B	Sugarcane Area 1980-81	141
4.9-C	Changes in Sugarcane Area 1960-81	141
4.10-A	Rice Area 1980-81	146
4.10-B	Changes in Rice Area 1960-81	146
4.10-C	Wheat Area 1980-81	146
4.10-D	Changes in Wheat Area 1960-81.	146

List of Maps (Contd.)

Figure	Title	Page No.
5.1-A	Donawade Village Irrigated Area 1960-61.	160
5.1-B	Donawade Village Irrigated Area 1983-84.	160
5.2-A	Donawade Village Cropping Pattern 1960-81.	163
5.2-B	Donawade Village Cropping Pattern 1983-84.	163
5.3-A	Shirase Village Irrigated Area 1960-61.	175
5.3-B	Shirase Village Irrigated Area 1983-84.	175
5.4-A	Shirase Village Cropping Pattern 1960-61.	179
5.4-B	Shirase Village Cropping Pattern 1983-84.	179
5.5	Halondi Village Irrigated Area 1960-61.	192
5.6	Halondi Village Irrigated Area 1983-84.	192

List of Maps (Contd.)

Figure	Title	Page No.
5.7	Halondi Village Irrigated Cropping Pattern 1960-61.	199
5.8	Halondi Village Cropping Pattern 1983-84.	199