# LIST OF TABLES

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Table No.</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapter II</td>
<td>2.1</td>
<td>Constituent units and Districts of Madhya Pradesh</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>2.2</td>
<td>Agroclimatic Description of the various Geographical and Crop Zones in Madhya Pradesh</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>2.3</td>
<td>Decennial Growth Rate of population in Madhya Pradesh and India (1961 - 1971)</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>2.4</td>
<td>Distribution of workers in occupational categories in Madhya Pradesh 1961-1971</td>
<td>22</td>
</tr>
<tr>
<td>Chapter III</td>
<td></td>
<td>Agricultural Loan in the State of Madhya Pradesh</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.1</td>
<td>Total State Income and Per Capita Income in Madhya Pradesh at Current and Constant Prices (1960-61 to 1972-73)</td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>3.2</td>
<td>Maximum, Minimum and Average of State Income, Income per capita (at 1952-53 Price) under different Plan Periods in Madhya Pradesh</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>3.3</td>
<td>Total State Income and Per Capita Income in Madhya Pradesh at Current and Constant 1960-61 Prices - 1960-61 to 1975-76</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>3.4</td>
<td>Maximum, minimum and average of State Income and Per Capita Income at 1960-61 Prices under different Plan Periods in Madhya Pradesh</td>
<td>33</td>
</tr>
<tr>
<td></td>
<td>3.5</td>
<td>Contribution of Agricultural Sector to the State Income of Madhya Pradesh, 1950-51 to 1972-73</td>
<td>36</td>
</tr>
</tbody>
</table>
3.6 Composition of Net State Domestic Products (at 1960-61 Prices) By Broad Sectors, Madhya Pradesh (1960-61 to 1975-76) 38

3.7 Maximum, Minimum and Average of Income from Agricultural Sector in Madhya Pradesh under Different Plan Periods 39

CHAPTER IV

Growth of Outputs:

4.1 Agricultural Production in Madhya Pradesh, 1950-51 to 1975-76 45

4.2 Production of Foodgrains, Non Food crops and All crops in Madhya Pradesh during Plan Periods. 48

4.3 Percentage change and linear and compound rates of growth of production of different Crops in Madhya Pradesh (1950-51 to 1975-76) 52

4.4 Cropwise Area, Production and Yields in Madhya Pradesh Related to India (1975-76) 54

4.5 Percentage change and linear and compound Rates of Growth of Area under Different Crops in Madhya Pradesh (1950-51 to 1975-76) 56

4.6 Percentage change and linear and Compound Rates of Growth of yields of Different Crops in Madhya Pradesh (1950-51 to 1975-76) 57

4.7 Percentage change and Linear Growth Rate of the value of Output of selected crops in Madhya Pradesh at Farm Harvest Prices of 1952-53. 66
4.9 State-wise Gross Return Per Hectare (1962-63) 67
4.10 Indices of Estimated Population and Food-grain Production in Madhya Pradesh, 1950-51 to 1975-76 71
4.11 Gross Value of Output from Animal Husbandry and Poultry in Madhya Pradesh, 1960-61 to 1975-76 (Value at current prices) 72
4.12 Income from livestock and poultry in Madhya Pradesh, 1975-76 73
4.13 Gross Value of Output of various livestock and poultry products in Madhya Pradesh, 1960-61 to 1975-76 74

CHAPTER V

Growth of Inputs:
A. Land Utilization-
5.1 Land use classification in Madhya Pradesh, 1953-54 to 1975-76 76
5.2 Land use classification of Madhya Pradesh and India, 1972-73 77
B. Cropping Pattern -
5.3 Cropping Pattern of Madhya Pradesh 1951-52 to 1953-54 and 1973-74 to 1975-76 85
5.4 Aggregate Shifts under cereals in Madhya Pradesh, 1951-54 to 1973-76 87
<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5</td>
<td>Acreage shifted under Pulse Crop in Madhya Pradesh, 1951-54 to 1973-76</td>
<td>88</td>
</tr>
<tr>
<td>5.6</td>
<td>Acreage shifted under Fibre crop in Madhya Pradesh, 1951-54 to 1973-76</td>
<td>89</td>
</tr>
<tr>
<td>5.7</td>
<td>Acreage shifted under oilseed crops in Madhya Pradesh, 1951-54 to 1973-76</td>
<td>90</td>
</tr>
<tr>
<td>5.8</td>
<td>Net and Gross Cropped Area in Madhya Pradesh</td>
<td>94</td>
</tr>
</tbody>
</table>

### C. Rainfall:
<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.9</td>
<td>Average Annual Rainfall seasonal break-up and coefficient of variation of rainfall in Madhya Pradesh</td>
<td>96</td>
</tr>
<tr>
<td>5.10</td>
<td>Regions with different levels of Food grain Production</td>
<td>99</td>
</tr>
</tbody>
</table>

### D. Irrigation:
<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.11</td>
<td>Statewise Irrigated Area in India (1973-74)</td>
<td>103</td>
</tr>
<tr>
<td>5.12</td>
<td>Change in net and gross area in Madhya Pradesh (1955-56, 1973-76)</td>
<td>104</td>
</tr>
<tr>
<td>5.13</td>
<td>Net and Gross Irrigated Area in Madhya Pradesh</td>
<td>105</td>
</tr>
<tr>
<td>5.14</td>
<td>Irrigation Potential Created in different Plan Periods in Madhya Pradesh</td>
<td>110</td>
</tr>
<tr>
<td>5.15</td>
<td>Irrigation Potential Created in Major, Medium and Minor Projects and their proportion in different Plan Periods in Madhya Pradesh</td>
<td>111</td>
</tr>
<tr>
<td>5.16</td>
<td>Cropwise Percentage of Irrigated Area to Total Area in Madhya Pradesh, 1950-51 to 1973-76</td>
<td>113</td>
</tr>
</tbody>
</table>
5.17 State-wise consumption of Fertilizers in India (1975-76) 114A

5.18 Consumption of Fertilizers in Madhya Pradesh, 1956-57 to 1975-76 116

5.19 Seasonwise quantity of fertilizers consumed and its percentage to total consumption, Madhya Pradesh, 1971-72 to 1975-76 117

5.20 Coverage of the High Yielding Varieties Programme in Madhya Pradesh, 1966-67 to 1975-76 120

CHAPTER VI

Review of Agricultural Prices:

6.1 Linear Growth Rate of Farm Harvest Price in Madhya Pradesh 122

6.2 Farm Harvest Prices of Important Crops in Madhya Pradesh, 1956-57 to 1975-76 126

6.3 Daily rates of Agricultural Wages in Madhya Pradesh 128

6.4 Indices of Average Wage, Consumers Price, Index and Real Wages in Madhya Pradesh 129

6.5 Average Annual Selling Prices of different Types of Fertilizers in Madhya Pradesh, 1965-66 to 1975-76 132

6.6 Economics of Fertilizers, (Nitrogen, Phosphorus and Potassium) application on Paddy, wheat, Gram and Jowar in Madhya Pradesh, 1966-67 to 1975-76 134
CHAPTER VII  Technology and Technical Coefficients:

7.1 Average of responses to different levels of Nitrogen and Potassium on Paddy for different zones. 139

7.2 Average response to levels of fertilizers, optimum economic dose and corresponding profit for wheat in different Agroclimatic zones of Madhya Pradesh 141

7.3 Average responses to the levels of Nitrogen, Phosphorus and Potassium, optimum dose and corresponding net profits for Jowar in different Agroclimatic Zones of Madhya Pradesh 144

7.4 Average responses to the levels of fertilizers & corresponding net profit for Gram in different Agroclimatic Zones of M.P.(Unirrig) 146

7.5 Regression Equation 148

7.6 Coefficient of multiple determination and coefficient of multiple correlation, 1962-65 148

7.7 Production function derived by Cobb-Douglas Production function for Paddy crop, Raipur Distt. 1962-65 150

CHAPTER VIII  Institutional Developments:

8.1 Distribution of Operational Holding According to Size group, Madhya Pradesh, 1970-71 158


8.3 Short & Medium Term Loans, Advanced, through Cooperatives in M.P., 1957-58 and 1973-74 161

8.4 Loan, Advanced by Primary Agril. Credit Societies in M.P., Classified according to Purpose 1957-58 to 1973-74 (Short Term) 163
9.5 Loan Advanced by Primary Agricultural Credit Society in Madhya Pradesh, Classified according to Purpose (1957-58) 164

9.6 Loans Advanced by Primary Agricultural Credit Societies in Madhya Pradesh 166

9.7 Loans Advanced by Primary Agricultural Credit Societies in Madhya Pradesh, Classified According to Purpose 167

9.8 Loans advanced by Primary Agricultural Credit Societies in Madhya Pradesh, Classified According to Quantum of Loan. 168

9.9 Loans Advanced by Primary Agricultural Credit Societies in Madhya Pradesh, classified According to Quantum of Loan. 170

9.10 Classification of Loans Advanced by Primary Agricultural Credit Societies to Borrowers on Different Holdings Size Groups. 172

9.11 Progress of Primary Agricultural Credit Societies in Madhya Pradesh 173

9.12 Progress of Central Cooperative Banks in Madhya Pradesh 175

9.13 Progress of Madhya Pradesh Cooperative Bank, M.P. 176

9.14 Progress of Primary Land Development Banks in Madhya Pradesh 179

9.15 Details of Madhya Pradesh State Cooperative Land Development Bank, Madhya Pradesh 180

9.16 Purposewise Distribution of Long Term Loans Advanced by Land Development Banks in Madhya Pradesh 181

9.17 Distribution of Loans Advanced by Land Development Banks in Different Size of Holding Groups. 183
CHAPTER IV  Development Schemes:

9.1 Physical Target and Achievements under Land Improvement Programme in Madhya Pradesh 191

9.2 Physical Target and Achievements under Plant Protection Programme in Madhya Pradesh 193

9.3 Programme of Small Farmers Development Agency, Marginal Farmers and Agricultural Labourers Development Agency in Madhya Pradesh, 1975-76 207

9.4 Financial outlays (Original and Revised) of Dantewada and Konta Projects for various Development Programmes. 210

9.5 Yearly expenditure on different items by Tribal Development Agency, Dantewada. 211

9.6 Yearly expenditure on different items by Tribal Development Agency, Konta 211A

***