# LIST OF TABLES

<table>
<thead>
<tr>
<th>Table No.</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>INTRODUCTION</strong></td>
<td></td>
</tr>
<tr>
<td>1.1</td>
<td>District wise monthly and annual rainfall in West Bengal (2000-01)</td>
<td>23</td>
</tr>
<tr>
<td>1.2</td>
<td>District wise monthly and annual rainfall in West Bengal (2010-11)</td>
<td>24</td>
</tr>
<tr>
<td>1.3</td>
<td>Trends of Population, Population Growth, Density and Sex Ratio in West Bengal and India, 1901 - 2011</td>
<td>31</td>
</tr>
<tr>
<td>1.4</td>
<td>District wise Distribution of Population, Sex-ratio and Population Density in West Bengal, 2001 - 2011</td>
<td>32</td>
</tr>
<tr>
<td>1.5</td>
<td>District wise Density of Population in West Bengal (2001 - 2011)</td>
<td>33</td>
</tr>
<tr>
<td>1.7</td>
<td>District wise Sex Ratio in West Bengal (2001 and 2011)</td>
<td>37</td>
</tr>
<tr>
<td>1.8</td>
<td>District-wise Total, Male and Female Literacy Rate in West Bengal (2001-2011)</td>
<td>40</td>
</tr>
<tr>
<td>1.9</td>
<td>Percentage of Urban Population in West Bengal (1901-2011)</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td><strong>CHAPTER-III</strong></td>
<td></td>
</tr>
<tr>
<td>3.1</td>
<td>Land Use Pattern in West Bengal (2000-01 and 2010-11)</td>
<td>79</td>
</tr>
<tr>
<td>3.2</td>
<td>Percentage of Area under Different Land use categories in West Bengal (2001)</td>
<td>84</td>
</tr>
<tr>
<td>3.3</td>
<td>Percentage of Area under Different Land use categories in West Bengal (2011)</td>
<td>86</td>
</tr>
<tr>
<td>3.4</td>
<td>Growth Rate of Area, Production and Yield of Major Crops in West Bengal</td>
<td>95</td>
</tr>
<tr>
<td>3.5</td>
<td>Growth Rate in area, production and yield of major crops of Darjeeling District</td>
<td>101</td>
</tr>
<tr>
<td>3.6</td>
<td>Growth Rate in area, production and yield of major crops of Jalpaiguri District</td>
<td>103</td>
</tr>
<tr>
<td>3.7</td>
<td>Growth Rate in area, production and yield of major crops of Cooch Behar District</td>
<td>105</td>
</tr>
<tr>
<td>3.8</td>
<td>Growth Rate in area, production and yield of major crops of Uttar Dinajpur District</td>
<td>107</td>
</tr>
<tr>
<td>3.9</td>
<td>Growth Rate in area, production and yield of major crops of Dakshin Dinajpur District</td>
<td>109</td>
</tr>
<tr>
<td>3.10</td>
<td>Growth Rate in area, production and yield of major crops of Malda District</td>
<td>111</td>
</tr>
<tr>
<td>3.11</td>
<td>Growth Rate in area, production and yield of major crops of Murshidabad District</td>
<td>113</td>
</tr>
<tr>
<td>3.12</td>
<td>Growth Rate in area, production and yield of major crops of Nadia District</td>
<td>115</td>
</tr>
<tr>
<td>3.13</td>
<td>Growth Rate in area, production and yield of major crops of North 24 Parganas District</td>
<td>117</td>
</tr>
<tr>
<td>3.14</td>
<td>Growth Rate in area, production and yield of major crops of South 24 Parganas District</td>
<td>119</td>
</tr>
<tr>
<td>3.15</td>
<td>Growth Rate in area, production and yield of major crops of Howrah District</td>
<td>121</td>
</tr>
<tr>
<td>3.16</td>
<td>Growth Rate in area, production and yield of major crops of Hoogly District</td>
<td>123</td>
</tr>
<tr>
<td>3.17</td>
<td>Growth Rate in area, production and yield of major crops of Burdwan District</td>
<td>125</td>
</tr>
<tr>
<td>3.18</td>
<td>Growth Rate in area, production and yield of major crops of Birbhum District</td>
<td>127</td>
</tr>
<tr>
<td>3.19</td>
<td>Growth Rate in area, production and yield of major crops of Bankura District</td>
<td>129</td>
</tr>
<tr>
<td>3.20</td>
<td>Growth Rate in area, production and yield of major crops of Purulia District</td>
<td>131</td>
</tr>
<tr>
<td>3.21</td>
<td>Growth Rate in area, production and yield of major crops of Paschim Medinipur District</td>
<td>133</td>
</tr>
<tr>
<td>3.22</td>
<td>Growth Rate in area, production and yield of major crops of Purba Medinipur District</td>
<td>135</td>
</tr>
<tr>
<td>3.23</td>
<td>Spatial Change of Cropping Intensity in West Bengal (2000-01 to 2010-11)</td>
<td>137</td>
</tr>
<tr>
<td>3.24</td>
<td>Spatial Pattern of Cropping Intensity in West Bengal (2000-01)</td>
<td>138</td>
</tr>
<tr>
<td>3.25</td>
<td>Spatial Pattern of Cropping Intensity in West Bengal (2010-11)</td>
<td>139</td>
</tr>
</tbody>
</table>

**CHAPTER-IV**

| 4.1 | District-wise distribution of tractor in West Bengal | 145 |
| 4.2 | District-wise distribution of power tiller in West Bengal | 148 |
| 4.3 | District-wise distribution of wooden plough in West Bengal | 151 |
| 4.4 | District-wise distribution of diesel pumpset in West Bengal | 154 |
| 4.5 | District-wise distribution of electric pumpset in West Bengal | 156 |
| 4.6 | District-wise distribution of thresher in West Bengal | 159 |
| 4.7 | District-wise distribution of laveller in West Bengal | 161 |
| 4.8 | District-wise distribution of sprayer/duster in West Bengal | 164 |
| 4.9 | Nutrient-wise availability of Fertilizer in West Bengal | 166 |
| 4.10 | District-wise Consumption of Fertilizer (Kg/Hec.) in West Bengal | 167 |
| 4.11 | District-wise area irrigated by govt. canals in West Bengal | 170 |
| 4.12 | District-wise number of minor irrigation in West Bengal | 173 |
| 4.13 | Area under high yielding varieties of seeds in West Bengal | 175 |
| 4.14 | District-wise Percentage of Agri. workers to total main workers in West Bengal | 176 |
| 4.15 | District-wise literacy rate in West Bengal | 179 |
| 4.16 | Number of land holdings under different categories in West Bengal | 182 |
| 4.17 | District-wise area of land holdings under different categories in West Bengal (2000-01) | 183 |
| 4.18 | District-wise area of land holdings under different categories in West Bengal (2010-11) | 184 |

**CHAPTER-V**

<p>| 5.1 | Methodology of Calculating Yield Index Method as proposed by W.M. Yang's. | 196 |
| 5.2 | Number of Districts under Different Productivity Regions with their Indices (2000-2001) | 200 |
| 5.3 | Number of Districts under Different Productivity Regions with their Indices (2010-2011) | 206 |</p>
<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.4</td>
<td>Areal Change in Agricultural Productivity in West Bengal from 2000-01 to 2010-11</td>
<td>214</td>
</tr>
<tr>
<td>6.1</td>
<td>Variables of Agricultural Development</td>
<td>220</td>
</tr>
<tr>
<td>6.2</td>
<td>Factor Structure of Agricultural Development in West Bengal through Rotated Factor Matrix, 2000-01</td>
<td>222</td>
</tr>
<tr>
<td>6.3</td>
<td>Standardized Factor Scores of Agricultural Development, 2000-01</td>
<td>223</td>
</tr>
<tr>
<td>6.4</td>
<td>Factor Structure of Agricultural Development in West Bengal through Rotated Factor Matrix, 2010-11</td>
<td>225</td>
</tr>
<tr>
<td>6.5</td>
<td>Standardized Factor Scores of Agricultural Development, 2010-11</td>
<td>226</td>
</tr>
<tr>
<td>6.6</td>
<td>Correlation Matrix of twenty one variables of Agricultural Development, 2000-01</td>
<td>230</td>
</tr>
<tr>
<td>6.7</td>
<td>Correlation Matrix of twenty one variables of Agricultural Development, 2010-11</td>
<td>232</td>
</tr>
<tr>
<td>6.8</td>
<td>Levels of Agricultural Development in West Bengal, 2000-01</td>
<td>235</td>
</tr>
<tr>
<td>6.9</td>
<td>Levels of Agricultural Development in West Bengal, 2010-11</td>
<td>239</td>
</tr>
<tr>
<td>6.10</td>
<td>Technological development vis-à-vis Agricultural Development in West Bengal, 2000-01</td>
<td>242</td>
</tr>
<tr>
<td>6.11</td>
<td>Technological development vis-à-vis Agricultural Development in West Bengal, 2010-11</td>
<td>245</td>
</tr>
</tbody>
</table>