LIST OF TABLES

<table>
<thead>
<tr>
<th>Table No</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table 1.1</td>
<td>Indicators Considered for Hunger and Deprivation</td>
<td>9</td>
</tr>
<tr>
<td>Table 1.2</td>
<td>Calorie intake by the people of Orissa and her position compared to major Indian states in rural and urban sector, 1973-74 to 2004-05</td>
<td>11</td>
</tr>
<tr>
<td>Table 1.3</td>
<td>Protein intake among all the Indian states in rural and urban sector, 1972-73 to 2004-2005</td>
<td>11</td>
</tr>
<tr>
<td>Table 1.4</td>
<td>Fat intake among all the Indian states in rural and urban sector, 1972-73 to 2004-2005</td>
<td>11</td>
</tr>
<tr>
<td>Table 1.5</td>
<td>Percentage of Population in Income Poverty by States 1973-74 to 2004-05</td>
<td>13</td>
</tr>
<tr>
<td>Table 1.6</td>
<td>Percentage Distribution of Households by the type of response on the question whether all members of the household get two square meals a day by states, 1983 to 2004-05</td>
<td>14</td>
</tr>
<tr>
<td>Table 1.7 (a)</td>
<td>Body Mass Index of Women across the Indian states, 1998-99 and 2005-06</td>
<td>15</td>
</tr>
<tr>
<td>Table 1.7 (b)</td>
<td>Nutritional Status of Children across Indian states, 1992-93 to 2005-06</td>
<td>16</td>
</tr>
<tr>
<td>Table 1.8</td>
<td>Housing conditions across the Indian states, 2002</td>
<td>17</td>
</tr>
<tr>
<td>Table 1.9</td>
<td>Percentages distribution of the conditions of houses across the major Indian states, 2001</td>
<td>17</td>
</tr>
<tr>
<td>Table 1.10</td>
<td>Expectation of life at birth among the major Indian states, 1970-75 to 1997-2001</td>
<td>18</td>
</tr>
<tr>
<td>Table 1.11</td>
<td>Infant Mortality Rate for selected years among the major Indian states from 1973 to 2005</td>
<td>19</td>
</tr>
<tr>
<td>Table 1.12</td>
<td>Literacy rates across the major Indian states, 1951 to 2001</td>
<td>20</td>
</tr>
<tr>
<td>Table 1.13</td>
<td>Share of total expenditure spent by the household on education, health and clothing, 1999-00</td>
<td>21</td>
</tr>
<tr>
<td>Table 2.1</td>
<td>Distributions of Below Poverty line population by their socio-economic characteristics across the regions of Orissa during 2004-05.</td>
<td>37</td>
</tr>
<tr>
<td>Table 2.2</td>
<td>Percentage distribution of the conditions of houses across the regions of Orissa, 2001</td>
<td>42</td>
</tr>
<tr>
<td>Table 2.3</td>
<td>Literacy rates across the regions of Orissa, 2001</td>
<td>43</td>
</tr>
<tr>
<td>Table 2.4</td>
<td>Infant Mortality Rate (Under five years) across the districts of Orissa, 2001</td>
<td>43</td>
</tr>
<tr>
<td>Table 2.5</td>
<td>Land utilisation patterns in Orissa and India</td>
<td>45</td>
</tr>
<tr>
<td>Table 2.6</td>
<td>Land utilisation patterns across the districts of Orissa, 1955-56</td>
<td>45</td>
</tr>
<tr>
<td>Table 2.7</td>
<td>Percentage distribution of households across their landholding in Orissa, 1951</td>
<td>54</td>
</tr>
<tr>
<td>Table 2.8</td>
<td>Livelihood categories and their characteristics, 1951</td>
<td>55</td>
</tr>
<tr>
<td>Table 2.9</td>
<td>Livelihood patterns of Orissa and other Indian states, 1951</td>
<td>56</td>
</tr>
<tr>
<td>Table 2.10</td>
<td>Livelihood patterns across the districts of Orissa, 1951</td>
<td>56</td>
</tr>
<tr>
<td>Table 2.11</td>
<td>Yield rate of Rice and Wheat in Orissa during 1945-46 to 1956-57 (in Kg per acre)</td>
<td>57</td>
</tr>
<tr>
<td>Table 2.12</td>
<td>Yield rate of Rice and Wheat across the districts of Orissa during 1956-57 (in Kg per acre)</td>
<td>58</td>
</tr>
<tr>
<td>Table 2.13</td>
<td>Females per 1000 males in agricultural and non-agricultural classes, 1951</td>
<td>59</td>
</tr>
<tr>
<td>Table 2.14</td>
<td>Distribution of Backward classes population across the districts of Orissa , 1951</td>
<td>62</td>
</tr>
<tr>
<td>Table 2.15 (A)</td>
<td>Distribution of occupation across Social groups</td>
<td>63</td>
</tr>
<tr>
<td>Table 2.15 (B)</td>
<td>Distribution of occupation across castes</td>
<td>63</td>
</tr>
<tr>
<td>Table 2.16</td>
<td>Percentage distribution of landless households by their social groups across districts in Orissa, 1951</td>
<td>64</td>
</tr>
<tr>
<td>Table 2.17</td>
<td>Level of literacy across the districts of Orissa, 1951</td>
<td>64</td>
</tr>
<tr>
<td>Table 3.1</td>
<td>Percentage Distribution of NSDP of Orissa across different sectors, 1950-51 to 2005-06 (1993-94 prices)</td>
<td>72</td>
</tr>
<tr>
<td>Table 3.2</td>
<td>Percentage change in each sector of NSDP of Orissa over different decades, 1950-51 to 2005-06</td>
<td>72</td>
</tr>
<tr>
<td>Table 3.3</td>
<td>Percentage Distribution of NDP of India across different sectors, 1950-51 to 2005-06</td>
<td>73</td>
</tr>
<tr>
<td>Table 3.4</td>
<td>Percentage changes in each sector of NDP of India over different decades, 1950-51 to 2005-06</td>
<td>73</td>
</tr>
</tbody>
</table>

xii
Table 3.5  Annual Compound Growth Rates of NSDP of different sectors and of per capita income of Orissa, 1950-51 to 2005-06 (percent)  75
Table 3.6  Annual Compound Growth rates of NDP of different sectors and per capita NDP of all India, 1950-51 to 2005-06 (percent)  75
Table 3.7  Sectoral Compositions of the NSDP growth (Year 1950-51 to 2005-06)  77
Table 3.8  Population Growth of Orissa since 1951  79
Table 3.9  Trend in percentages distribution of workers in the rural and urban areas of India and Orissa from 1977-78 to 2004-05  80
Table 3.10  Percentages distribution of workers by rural urban location in Orissa from 1977-78 to 2004-05  81
Table 3.11  Trend in percentage distribution of workers across the sectors by rural urban location in Orissa and India from 1977-78 to 2004-05  83
Table 3.12  Percentage distributions of workers by gender (male and female) in Orissa from 1977-78 to 2004-05  83
Table 3.13  Trend in percentage distribution of workers across the sectors by gender in Orissa from 1977-78 to 2004-05  84
Table 3.14  Trend in the Employment Growth in Orissa (Year 1983 to 2004-05)  85
Table 3.15  Employment Elasticity in Orissa (Year 1983 to 2004-05)  86
Table 3.16  Labour productivity and compound annual growth rate of labour productivity in Orissa (Year 1983 to 2004-05)  88
Table 3.17  Percentage distribution of usual status workers (UPSS) by their place of location and gender in Orissa from 1983 to 2004-05  89
Table 3.17 (A)  Percentage distribution of usual status workers in broad employment group (UPSS) by their place of location and gender in Orissa from 1983 to 2004-05  91
Table 3.18  Growth rate of employment across different types of workers in Orissa  93
Table 3.19  Population Growth of different NSS regions of Orissa since 1951  94
Table 3.20  Trends in percentage distribution of worker population ratio in the rural and urban areas among different regions of Orissa from 1983 to 2004-05  95
Table 3.21  Trends in percentage distribution of workers across different sectors by rural urban location in different regions of Orissa from 1983 to 2004-05  97
Table 3.22  Trends in percentage distribution of workers across different sectors by gender in different regions of Orissa from 1983 to 2004-05  98
Table 3.23  Percentage distribution of usual status workers in broad group (UPSS) by their place of location in Orissa from 1983 to 2004-05  99
Table 3.23 (A)  Percentage distribution of usual status workers in broad group (UPSS) by their gender in Orissa from 1983 to 2004-05  100
Table 3.24  Trends in the Employment Growth among different regions of Orissa from 1983 to 2004-05  103
Table 3.25  Association of poverty with types of household and regions in rural Orissa (Year 2004-05)  105
Table 3.26  Association of poverty with social groups and regions in rural Orissa (Year 2004-05)  105
Table 3.27  Association of poverty with per capita land possession of household and regions in rural Orissa (Year 2004-05)  106
Table 3.28  Association of poverty with the Education of household and regions in rural Orissa (Year 2004-05)  106
Table 3.29  Association of poverty with the WPR of household and regions in rural Orissa (Year 2004-05)  106
Table 3.30  Association of poverty with the CWR of household and regions in rural Orissa (Year 2004-05)  107
Table 4.1  Distribution of main workers/self supporting earners in percentages by their occupations, 1951 to 2001  116
Table 4.2  Percentage Distribution of operational land holdings in rural areas, 1953-51 to 2003  117
Table 4.3  Trends of Poverty in Kerala, West Bengal and Orissa (Year 1973-74 to 2004-05)  118
Table 4.4  Percentage below poverty line population by their household’s operational holding across social groups (Year 2004-05)  122
Table 4.5  Public and Private Investment in Agriculture, 1980-81 prices (Rs./ha)  133
Table 4.6  Level of Agricultural Productivity, 1980-81 prices (Ag SDP, Rs./Ha) 133
Table 4.7  Agricultural Real Wage Earnings (Male Rs/day at constant Prices 1964-65) 134
Table 4.8  Per capita and percentage of social sector expenditure to total expenditure 135
Table 5.1  Percentage distribution of population of Orissa by regions, 2001 150
Table 5.1 (A)  Percentage distribution of population of Orissa by social groups, 2001 150
Table 5.2  Percentage of below poverty line population across social groups and by the regions of Orissa, 2004-05 151
Table 5.3  Percentage Distribution of Households by the type of response on the question whether all members of the household get two square meals a day by social group wise in Orissa, 2004-05 152
Table 5.4  Nutritional Status of Children (based on Stunting (H/A)) by region and across different social group wise in Orissa, 1998-99 153
Table 5.5  Nutritional Status of Children (based on wasting (W/A) by region and across different social groups in Orissa, 1998-99 153
Table 5.6  Nutritional Status of Children (based on under weight (W/H) by region and across different social groups in Orissa, 1998-99 154
Table 5.7  Percentage distribution of Work Participation rates, Main workers and agricultural labourers across the Social groups by different districts of Orissa, 2001 154
Table 5.8  Percentage distribution of literacy rate across the social groups (Year 2001) 155
Table 5.9  Housing conditions across the districts of Orissa by different social groups, 2001 155
Table 5.10  Infant Mortality Rate across the social groups of Orissa (Year 2004-05) 156
Table 5.11  Average earnings (Rs) of Men and Women in Rural Labour Household in Agricultural Occupations by their social groups, 1999-2000 157
Table 6.1  List of Different Institutions in Sason GP 165
Table 6.2  Establishment of Different School In Sason gram panchayat Till 31.07.2004. 166
Table 6.3  Distribution of Number of Students and Teachers by gender in Different Schools of Sason GP 167
Table 6.4  Number of classes offered in different schools and classrooms available 168
Table 6.5  Infrastructural facilities in the schools of Sason GP 168
Table 6.6  Facilities available for MDM in different schools of Sason GP 170
Table 6.7  Details of the Anganwadi beneficiaries in the study area 173
Table 6.8  Details of the SHG at Naakhurigaon 176
Table 6.9  Health facilities in Sason Panchayat 178
Table 6.10  Distribution of Below Poverty Line ration cards across villages in Sason Gram panchayat 179
Table 6.11  Ration shop price and market price of different commodities 180
Table 6.12  Physical and financial performance on NREGS, Thuamul,Rampur block of Kalahandi district, March, 2007 for the year 2006-07 185
Table 7.1  Taxonomy of famine theories 190
Table 7.2  Drought affected years in Orissa, 1803 – 2000-2001 199
Table 7.3  Rainfall in Orissa Division in 1865 200
Table 7.4  Amount of Rice Exported from Orissa (1860 to 1865) (in Maunds) 201
Table 7.5  Average rainfall during June to October 2000 204
Table 7.6  District wise actual and normal rainfall status in Orissa as on 31.10.2000 205
Table 7.7  Impacts of super Cyclone in Orissa during October, 29-30, 1999 209
Table 7.8  Value of Properties Lost and Damaged due to National Calamities in Orissa since 1971 210
Table 8.1  Major and Medium irrigation projects in Orissa till 2004 216
Table 8.2  Major projects according to the capacity of power generations 217
Table 8.3  Number of Families displaced and amount of land acquired due to different development projects in Orissa, from 1950 to 1995 217
Table 8.4  A Conservative Estimate of Persons and Tribals Displaced by Development Projects in India 1951-90 (in lakh) 218
Table 8.5  A Conservative Estimate of families Displaced by Development Projects in Orissa across social groups, 1951-95 219
Table 8.6  Region-wise displaced persons and submerged areas in some of the notable
Table 8.7: Data on Reserves of Ores and Minerals in Orissa (in Million Ton by 1.1.2000) 224
Table 8.8: Displacement due to some of the Industry and Mining Projects in Orissa 225
Table 8.9: Sector wise diversion of forest land to non-forest use (under forest conversion Act, 1980) 226
Table 8.10: Percentage distribution of displaced people by their social group in Orissa 1951-1955 226
Table 8.11: Percentage of Unsettled displaced people 1954-1995 227
Table 8.12: Nearest Education and health institutes 233

List of Appendix Tables
A1.1: Calorie intake by the people of Orissa and her position compared to major Indian states in rural and urban sector, 1973-74 to 2004-05 265
A1.2: Protein intake among all the Indian states in rural and urban sector, 1972-73 to 2004-2005 265
A1.3: Fat intake among all the Indian states in rural and urban sector, 1972-73 to 2004-2005 266
A1.5: Percentage Distribution of Households by the type of response on the question whether all members of the household get two square meals a day by states 1983 to 2004-05 267
A1.6 (a): Body Mass Index of Women across the Indian states, 1998-99 and 2005-06 268
A1.6 (b): Nutritional Status of Children across Indian states, 1992-93 to 2005-06 (All are in percentages) 268
A1.7: Housing conditions across the Indian states, 2002 269
A1.8: Percentage distribution of the conditions of houses across the major Indian states, 2001 270
A1.9: Expectation of life at birth among the major Indian states, 1970-75 to 1997-2001 271
A1.10: Infant Mortality Rate for selected years among the major Indian states from 1973 to 2005 272
A2.1: Nutritional Status of Children (based on Stunting (H/A)) by region, across the type of locations, castes, standard of living, education and occupations of the households and respondents, 1998-99 273
A2.2: Nutritional Status of Children (based on wasting (W/A)) by region, across the type of locations, castes, standard of living, education and occupations of the respondents 1998-99 274
A2.3: Nutritional Status of Children (based on under weight (W/H)) by region, across the type of locations, castes, standard of living, education and occupations of the respondents 1998-99 275
A2.4: Percentage distribution of the conditions of houses across the districts of Orissa, 2001 276
A2.5: Levels of literacy across the districts of Orissa, 2001 276
A2.6: Land utilisation patterns across the districts of Orissa, 1955-56 277
A2.7: Annual rainfall (in inches) across the districts of Orissa (1931-1950) 277
A2.8: Levels and Variability of Annual Rainfall (in Inches) across the Districts of Orissa (1931-1950) 278
A2.9: Percentage distribution of households across their landholding in Orissa, 1951 278
A2.10: Livelihood patterns across the districts of Orissa, 1951 278
A2.11: Livelihood patterns of General Population per 10000 279
A2.12: Females per 1000 males in agricultural non-agricultural classes, 1951 279
A.13: Distribution of Backward classes population across the districts of Orissa during 1951 280
A2.14: Percentages distributions of landless households by their social groups across districts in Orissa, 1951 280
A2.15: Level of literacy across the districts of Orissa, 1951 281
A2.16 Distribution of the rate of growth of population and density of population across the districts of Orissa, 1901 to 1951
A3.2 Percentage changes in each sector of NSDP of Orissa over different decades, 1950-51 to 2005-06
A3.3 Sub sectorial composition of NSDP, 1950-51 to 2005-06
A3.4 Percentage Distribution of NDP of India across different sectors, 1950-51 to 2005-06
A3.5 Percentage changes in each sector of NDP of India over different decades, 1950-51 to 2005-06
A3.6 Annual Compound Growth rates of NSDP of different sectors and of per capita income of Orissa, 1950-51 to 2005-06 (percent)
A3.7 Annual Compound Growth rates of NDP of different sectors and per capita NDP of all India, 1950-51 to 2005-06 (percent)
A3.8 Trends in percentage distribution of workers in the rural and urban areas of India and Orissa from 1977-78 to 2004-05
A3.9 Percentage distributions of workers by rural urban location in Orissa from 1977-78 to 2004-05
A3.10 Trends in percentage distribution of workers across the sectors by rural urban location in Orissa and India from 1977-78 to 2004-05
A3.11 Percentage distribution of workers by gender (male and female) in Orissa from 1977-78 to 2004-05
A3.12 Trends in percentage distribution of workers across the sectors by gender in Orissa from 1977-78 to 2004-05
A3.14 Trends in percentage distribution of workers across different sectors by rural urban location in different regions of Orissa from 1983 to 2004-05
A3.15 Trends in percentage distribution of workers across different sectors by gender in different regions of Orissa from 1983 to 2004-05
A3.16 Trends in the Employment Growth among different regions of Orissa from 1983 to 2004-05
A5.1 Percentage distribution of populations of Orissa by social groups, 2001
A5.2 Percentage distribution of Work Participation rates, Main workers and agricultural labourers across the Social groups by different districts of Orissa, 2001
A5.3 Percentage distribution of literacy rate across the social groups, 2001
A5.4 Housing conditions across the districts of Orissa by different social groups, 2001

List of Figures and Maps
Map 1.1 Map of Orissa
Fig. 1.1 Flow chart of Hunger and Deprivation
Fig. 2.1 Annual Rainfall and its variability in Orissa, 1931 to 1950
Fig. 2.2 Price fluctuations of Rice
Fig. 2.3 Trend in export of rice from Sambalpur
Fig. 2.4 Trend in the Price of Rice in Sambalpur

List of Boxes
2.1 Nutritional Status of Children (based on Stunting (H/A)) by region, across the type of locations, castes, standard of living, education and occupations of the households and respondents.
2.2 Nutritional Status of Children (based on wasting (W/A)) by region, across the type of locations, castes, standard of living, education and occupations of the respondents
2.3 Nutritional Status of Children (based on under weight (W/H)) by region, across the type of locations, castes, standard of living, education and occupations of the respondents
List of annexures

1. Annexure 2.1 Topology of Orissa
2. Annexure 2.2 Land revenue system Orissa
3. Annexure 2.3 History of Orissa as an Administrative Unit
4. Annexure 3.1 Notes on structural transformation
5. Annexure 6.1 Evolution of public provisioning in India
6. Annexure 6.2 Different public provisioning schemes
7. Annexure 6.3 The Panchayat Description