

## List of Table

| <b>Table. No.</b> | <b>Theme</b>   | <b>Page No.</b> |
|-------------------|--|-----------------|
| Table 2.1         | Different administrative units of Purba Medinipur district.....  | 26              |
| Table 2.2         | Ranges of soil salinity and classes.....   | 33              |
| Table 2.3         | Ranges of soil pH and classes.....   | 33              |
| Table 2.4         | Number of villages in different category of drainage density.....  | 39              |
| Table 2.5         | Ranges and classes of tidal water salinity.....  | 40              |
| Table 2.6         | Twelve years (2003-14) average rainfall and mean maximum<br>and minimum temperature of Purba Medinipur district..... | 42              |
| Table 2.7         | Number of population in different category.....  | 44              |
| Table 2.8         | Number of different types of worker of Purba Medinipur district.....   | 45              |
| Table 2.9         | Number of villages in different classes of population and<br>settlement density.....                                 | 47              |
| Table 2.10        | Number of villages in different categories of percentage of<br>worker population.....                                | 47              |
| Table 2.11        | Number of villages in various classes of percentage of agricultural<br>worker and cultivator.....                    | 47              |
| Table 2.12        | Number of villages in different classes of road density.....   | 50              |
| Table 3.1         | Major crops practiced in Purba Medinipur district in different season,<br>2015-16.....                               | 56              |
| Table 3.2         | Estimation of forest cover area of Purba Medinipur district using<br>satellite image.....                            | 63              |
| Table 3.3         | Different classes of vegetation cover area with number of village.....   | 63              |
| Table 3.4         | Different types of forest cover area of Purba Medinipur using<br>satellite image.....                                | 64              |

| <b>Table. No.</b> | <b>Theme</b>   | <b>Page No.</b> |
|-------------------|--|-----------------|
| Table 3.5         | Number of villages in different classes of forest covers area planted<br>by Government and Semi-Government organization..... | 64              |
| Table 3.6         | Number of villages in different classes of forest covers area.....   | 65              |
| Table 3.7         | Estimation of the area of fishery in Purba Medinipur district<br>using NDWI technique.....                                   | 68              |
| Table 3.8         | Different classes of fishery land with number of village.....  | 68              |
| Table 4.1         | Different classes of cultivated land with number of village, 2015-16.....  | 71              |
| Table 4.2         | Different category of non ploughed arable land with number<br>of village in different season, 2015-16.....                   | 75              |
| Table 4.3         | Classes of gross non ploughed arable land with number of village,<br>2015-16.....  | 75              |
| Table 4.4         | Amount of non ploughed arable land in different crop season,<br>2015-16.....   | 75              |
| Table 4.5         | Classes of cropping intensity with number of village.....  | 80              |
| Table 4.6         | Types of crop combination with associate crops and the<br>number of villages.....  | 82              |
| Table 4.7         | Classes of crop diversification with number of village.....  | 84              |
| Table 4.8         | Different types of crop and their yield rates, 2013-14.....  | 88              |
| Table 4.9         | Production amount of different types of crops in 2013-14.....  | 89              |
| Table 4.10        | Production amount of different types of vegetables in 2013-14.....   | 89              |
| Table 4.11        | Production amount of flowers in 2013-14.....   | 89              |
| Table 4.12        | Production amount of flowers in 2013-14.....   | 89              |
| Table 4.13        | Yearly productions of different crops of Purba Medinipur district<br>(Thousand tonnes).....                                  | 91              |

| <b>Table. No.</b> | <b>Theme</b>   | <b>Page No.</b> |
|-------------------|--|-----------------|
| Table 4.14        | Yearly productions of different vegetables of Purba Medinipur district (Thousand tonnes).....      | 92              |
| Table 4.15        | Yearly production of different flowers of Purba Medinipur District.....                            | 93              |
| Table 4.16        | Different agro-based industries with number of unit.....   | 95              |
| Table 4.17        | Nature of market with number.....  | 96              |
| Table 4.18        | Production amount of different fruits in 2013-14.....  | 97              |
| Table 4.19        | Production amount of forest resources in 2013-14.....  | 97              |
| Table 4.20        | Yearly amount of production of different fruits of Purba Medinipur district (Thousand tonnes)..... | 98              |
| Table 4.21        | Estimation of fishing ground in Purba Medinipur district using NDWI technique.....                 | 100             |
| Table 4.22        | Area of inland fishery of Purba Medinipur district in different years.....                         | 100             |
| Table 4.23        | Inland and marine fish production of Purba Medinipur district in different years.....              | 102             |
| Table 5.2         | Area of different basin hydro-system with number of village.....                                   | 115             |
| Table 5.3         | Basin wise amount of cultivated land.....  | 121             |
| Table 5.3         | Basin wise percentage of non ploughed arable land in different season.....                         | 122             |
| Table 5.4         | Basin wise number of village in different classes of cropping intensity.....                       | 123             |
| Table 5.5         | Basin wise number of village in different crop combination zone.....                               | 124             |

| <b>Table. No.</b> | <b>Theme</b>   | <b>Page No.</b> |
|-------------------|--|-----------------|
| Table 5.6         | Basin wise number of village in different classes of<br>crop diversification.....        | 125             |
| Table 5.7         | Basin wise amount of forest cover area.....  | 127             |
| Table 5.8         | Basin wise amount of different category of forest cover area.....                        | 127             |
| Table 5.9         | Amount fishing ground in different basin hydro-system.....                               | 128             |
| Table 5.10        | Number of village in different categories of inundated tidal<br>water salinity zone..... | 133             |
| Table 5.11        | Number of village in different categories of soil salinity zone.....                     | 134             |
| Table 5.12        | Plant suitability in different saline water with proper method.....                      | 135             |
| Table 5.13        | Crop response in different level of soil salinity.....                                   | 135             |
| Table 5.14        | Number of village in different categories of salinity level.....                         | 137             |
| Table 5.15        | Calculation table for suitability of fishery.....  | 141             |
| Table 5.16        | Number of village in different suitability level of fishery.....                         | 142             |
| Table 6.4         | Different initiatives and their benefits to development.....                             | 148             |