

List of figure

Fig. No.	Theme	Page No.
Fig. 2.1	Location map of the study area.....	25
Fig. 2.2	Block map of Purba Medinipur district.....	27
Fig. 2.3	Village and municipality map of Purba Medinipur district.....	28
Fig. 2.4	Geological map of Purba Medinipur district.....	30
Fig. 2.5	Topography of Purba Medinipur district.....	30
Fig. 2.6	Soil types of Purba Medinipur district.....	31
Fig. 2.7	Soil sample point with value of electro conductivity (ECe).....	32
Fig. 2.8	Soil sample point with pH value.....	32
Fig. 2.9	Pattern of soil salinity.....	32
Fig. 2.10	Pattern of soil pH.....	33
Fig. 2.11	Main river system of Purba Medinipur.....	37
Fig. 2.12	Drainage system of Purba Medinipur district.....	38
Fig. 2.13	Drainage density.....	39
Fig. 2.14	Tidal water influence zone.....	39
Fig. 2.15	Sample point of tidal water with EC value of Purba Medinipur district.....	40
Fig. 2.16	Tidal water salinity influence zone of Purba Medinipur district.....	40
Fig. 2.17	Tidal water salinity influence zone with drainage system of Purba Medinipur district.....	41
Fig. 2.18	Month wise pattern of temperature and rainfall condition.....	42
Fig. 2.19	Gender ratio of Purba Medinipur district.....	45
Fig. 2.20	Number of rural and urban population of Purba Medinipur district.....	45
Fig. 2.21	Number of worker and non worker population of Purba Medinipur district.....	45
Fig. 2.22	Number of different types of worker population of Purba Medinipur district....	45

Fig. No.	Theme	Page No.
Fig. 2.23	Village wise population density.....	46
Fig. 2.24	Village wise settlement density.....	46
Fig. 2.25	Distribution of worker population of Purba Medinipur district.....	46
Fig. 2.26	Distribution of agricultural worker of Purba Medinipur district.....	46
Fig. 2.27	Distribution of cultivator of Purba Medinipur district.....	47
Fig. 2.28	Village wise road density of Purba Medinipur district.....	48
Fig. 2.29	Road map of Purba Medinipur district.....	49
Fig. 3.1	Distribution of aus paddy cropped area in kharif season.....	57
Fig. 3.2	Distribution of amon paddy cropped area in kharif season.....	57
Fig. 3.3	Distribution of jute cultivated area in kharif season.....	58
Fig. 3.4	Distribution of vegetable cultivated area in kharif season.....	58
Fig. 3.5	Distribution of flower cultivated area in kharif season.....	58
Fig. 3.6	Distribution of vegetable cultivated area in rabi season.....	58
Fig. 3.7	Distribution of flower cultivated area in rabi season.....	59
Fig. 3.8	Distribution of mustard cultivated area in rabi season.....	59
Fig. 3.9	Distribution of khesery cropped area.....	60
Fig. 3.10	Distribution of potato cropped area.....	60
Fig. 3.11	Distribution of boro paddy cropped area in zaid season.....	61
Fig. 3.12	Distribution of flower cultivated area in zaid season.....	61
Fig. 3.13	Distribution of groundnut cultivated area in zaid season.....	62
Fig. 3.14	Distribution of vegetable cultivated area in zaid season.....	62
Fig. 3.15	Distribution of moong cropped area in zaid season.....	62
Fig. 3.16	Distribution of betel leaf growing area.....	62
Fig. 3.17	Spatial distribution of vegetation.....	66

Fig. No.	Theme	Page No.
Fig. 3.18	Village wise vegetation covers area.....	66
Fig. 3.19	Village wise forestry by government/semi-government organisation.....	66
Fig. 3.20	Village wise forestry by farmers.....	66
Fig. 3.21	Spatial distribution of fishery of Purba Medinipur district.....	68
Fig. 3.22	Village wise area of fishery in Purba Medinipur district.....	68
Fig. 4.1	Village wise percentage of cultivated land.....	72
Fig. 4.2	Percentage of non ploughed arable land of Purba Medinipur district in kharif season.....	76
Fig. 4.3	Percentage of non ploughed arable land of Purba Medinipur district in rabi season.....	76
Fig. 4.4	Percentage of non ploughed arable land of Purba Medinipur district in zaid season.....	76
Fig. 4.5	Percentage of gross non ploughed arable land of Purba Medinipur district.....	76
Fig. 4.6	Spatial variability of cropping intensity of Purba Medinipur district.....	79
Fig. 4.7	Relation of cropping intensity with soil types in Purba Medinipur district.....	80
Fig. 4.8	Crop combination zone of Purba Medinipur district.....	85
Fig. 4.9	Crop diversification zone of Purba Medinipur District.....	86
Fig. 4.10	Production amount of different crops of Purba Medinipur district.....	89
Fig. 4.11	Production amount of different vegetables of Purba Medinipur district.....	89
Fig. 4.12	Production amount of different flower of Purba Medinipur district.....	90
Fig. 4.13	Production amount of different flower of Purba Medinipur district.....	90
Fig. 4.14	Production of rice of Purba Medinipur district.....	91
Fig. 4.15	Production of different crops of Purba Medinipur district.....	91
Fig. 4.16	Production of different vegetables of Purba Medinipur district.....	92

Fig. No.	Theme	Page No.
Fig. 4.17a	Production of different flowers of Purba Medinipur district.....	93
Fig. 4.17b	Production of different flowers of Purba Medinipur district.....	94
Fig. 4.18	Distribution of different food processing unit of Purba Medinipur district.....	95
Fig. 4.19	Distribution of different other agro-industries of Purba Medinipur district.....	95
Fig. 4.20	Spatial distribution of agro-market of Purba Medinipur district.....	96
Fig. 4.21	Production amount of different fruits of Purba Medinipur district.....	97
Fig. 4.22	Production amount forest produce of Purba Medinipur district.....	97
Fig. 4.23	Production of different fruits of Purba Medinipur district, 2003 – 2014.....	98
Fig. 4.24	Growth of fishing ground of Purba Medinipur district from 2013 to 2019.....	101
Fig. 4.25	Growth rate of inland fishing ground from 2013 to 2019.....	102
Fig. 4.26	Comparison of inland and marine fish production.....	102
Fig. 5.1	Area of different basin hydro-system with drainage.....	116
Fig. 5.2	Physiographic micro-zonation of Purba Medinipur district.....	117
Fig. 5.3	Soil type of different basin hydro-system.....	118
Fig. 5.4	Nature of soil salinity of different basin hydro-system.....	119
Fig. 5.5	Inundated area of basin hydro-system by different salinity level of tidal water.....	120
Fig. 5.6	Amount of cultivated land in different basin.....	122
Fig. 5.7	Basin wise amount of non ploughed arable land in different season.....	122
Fig. 5.8	Basin wise percentage of village in different classes of cropping intensity.....	123
Fig. 5.9	Basin wise percentage of village in different crop combination zone.....	125
Fig. 5.10	Basin wise percentage of village in different classes of crop diversification.....	126
Fig. 5.11	Basin wise percentage of forest covers land out of total area.....	128

Fig. No.	Theme	Page No.
Fig. 5.12	Basin wise different types of forest.....	128
Fig. 5.13	Basin wise percentage of fishing ground out of total area.....	129
Fig. 5.14	Number of village in different tidal water salinity zone.....	133
Fig. 5.15	Number of village in different soil salinity zone.....	134
Fig. 5.16	Salinity level of soil and inundated tidal water in each village.....	136
Fig. 5.17	Flow chart showing the suitability analysis for fishery.....	140
Fig. 5.18	Village wise land suitability for fishery.....	142