CONTENTS

ACKNOWLEDGEMENTS  i-ii
LIST OF TABLES vi-viii
LIST OF FIGURES ix-x
GLOSSARY OF LOCAL WORDS xi-xiii
ABBREVIATIONS xiv-xv
INTRODUCTION 1-20

PART ONE

GEOGRAPHICAL UNDERSTANDING AND SOCIAL CONDITIONS OF THE STUDY AREA

CHAPTER 1 PHYSICAL SETTING OF THE REGION 21-59
  1.1 STRUCTURE AND RELIEF 21-29
  1.2 CLIMATE 29-48
  1.3 SOILS OF THE CANAL COMMAND AREA 48-56

CHAPTER 2 SOCIAL STATUS OF THE INDIRA GANDHI CANAL COMMAND AREA 60-74
  2.1 POPULATION CHARACTERISTICS 60-61
    2.1.1 Spatial Distribution of Population 60-61
    2.1.2 Density of Population 61-65
    2.1.3 Growth of Population 65-67
    2.1.4 Age-Structure 67-68
    2.1.5 Sex-Ratio 69-70
  2.2 LITERACY 70-73

PART TWO

ECONOMIC AND ECOLOGICAL CONDITIONS OF THE STUDY AREA

CHAPTER 3 ECONOMIC STATUS OF THE INDIRA GANDHI CANAL COMMAND AREA 75-108
  3.1 SETTLEMENT PATTERN 75-77
    3.1.1 Settlement Pattern in Stage-I Canal 76
      Command Area
    3.1.2 Settlement Pattern in Stage-II 76-77
      Canal Command Area
  3.2 OCCUPATIONAL STRUCTURE 77-82
3.3 AGRICULTURE

3.3.1 Land Use Pattern 82-83
3.3.2 Total Cropped Area 83
3.3.3 Culturable Waste Land 83-84
3.3.4 Cropping Pattern 84-88
3.3.5 Use of Modern Agricultural Inputs 88
3.3.6 Crops and Diseases 89

3.4 ANIMAL HUSBANDRY 89-92

3.4.1 Livestock Population 90-91
3.4.2 Breeds of Livestock 91-92

3.5 INDUSTRIAL DEVELOPMENT 92-94

3.5.1 Agro-Based Industries 93
3.5.2 Woollen Industry 93-94
3.5.3 Cotton-Textile Industry 94

3.6 AFFORESTATION 94-103

3.6.1 Objectives of Afforestation Programmes 96
3.6.2 Afforestation in Stage-I Command Area 96-102
3.6.3 Afforestation in Stage-II Command Area 102-103

CHAPTER 4 CORRELATIVE ASSESSMENT OF ECOCLOGICAL CONDITIONS OF THE INDIRA GANDHI CANAL COMMAND AREA

4.1 POSITIVE IMPACT OF THE CANAL 110-114

4.1.1 Improvement in Micro-Climate 110
4.1.2 Improvement in Aeolion Activity 110
4.1.3 Soil Moisture Regime 111
4.1.4 Change in Agricultural Land Use 111
4.1.5 Massive Afforestation 111-112
4.1.6 Drinking Water Facility 112
4.1.7 Development of Industries and Infrastructure 112-113
4.1.8 Rehabilitation 113
4.1.9 Improvements in Socio-Economic Condition 113-114
4.1.10 Others Positive Impact of IGCP 114
<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.2</td>
<td>NEGATIVE IMPACT OF THE CANAL</td>
<td>114-129</td>
</tr>
<tr>
<td>4.2.1</td>
<td>Problems of Waterlogging</td>
<td>115-125</td>
</tr>
<tr>
<td>4.2.2</td>
<td>Soil Erosion</td>
<td>125-126</td>
</tr>
<tr>
<td>4.2.3</td>
<td>Soil Salinity/Alkalinity</td>
<td>126-127</td>
</tr>
<tr>
<td>4.2.4</td>
<td>Scarcity of Fuel Wood</td>
<td>127</td>
</tr>
<tr>
<td>4.2.5</td>
<td>Incidence of Diseases</td>
<td>127-128</td>
</tr>
<tr>
<td>4.2.6</td>
<td>Others Negative Impact of IGCP</td>
<td>128-129</td>
</tr>
</tbody>
</table>

PART THREE

ASSESSMENT OF SOCIO-ECONOMIC AND ECOLOGICAL CONDITIONS AT VILLAGE LEVEL AND CONCLUSION & SUGGESTION

CHAPTER 5 IMPACT OF CANAL ON SOCIO ECONOMIC ASPECTS AND ECOLOGY - A MICRO LEVEL ASSESSMENT

CONCLUSION & SUGGESTION 173-181

BIBLIOGRAPHY 182-194

PHOTOGRAPHS 195-204

APPENDICES 205-227