

## Contents

	<u>Page</u>
Acknowledgement	i
Preface	iv
Methodology	vii
<u>Chapter I :</u>	
Introduction : Tea in North Bengal	1
The Chemistry of Tea	3
The Food Value of Tea	7
✓ The Historical Background	7
✓ Introduction of Tea in India	10
<u>Chapter II :</u>	
Physical Factors in Tea Cultivation	34
A. Role of Individual Physical Factors on Tea	34
a) Temperature	34
b) Rainfall	37
c) Altitude	44
d) Lightning	45
e) Humidity	46
B. Soil and Soil Erosion	46
C. Other Physical Factors	50
<u>Chapter III :</u>	
The Crop	52
A. Preparation of land for tea plantation	52
B. Principles of Shading	53
C. Irrigation Practices	55

	<u>Page</u>
✓ D. Manuring and Fertilisation in the Tea Gardens	57
✓ E. Nursery Culture	60
Green crop shade	62
F. Planting Methods : Plant Density	65
G. The Age of Tea Plants and Replantation	67
✓ H. Pruning Methods	68
Types of Pruning Practised in North Bengal	70
I. Crop Season	72
Flushing of Tea Leaf	72
✓ J. Types of Plucking methods	73
The Removal of Ranjhi shoots	76
 <u>Chapter IV:</u>	
Manufacture of Tea	77
I. Types of Manufacturing	77
1) Orthodox Type of Manufacturing	77
2) C.T.C. Type of Manufacturing	85
3) Green Tea Manufacturing	88
4) Ball or Brick Tea Manufacturing	90
5) Hand-made Tea	92
✓ II. Sorting or Separation into Grade	94 ✓
III. Grades of Tea	95
Manufacturing Facilities	99
Production of Tea in North Bengal Tea Gardens	101

	<u>Page</u>
<u>Chapter V :</u>	
<b>Organisation and Management of Tea Estate</b>	107
Directors of the Company	111
The Management	112
The Managing Director	113
The Managing Agents	114
The Secretaries and Treasurers	115
The Secretary	116
The Superintendent	117
The Visiting Agent	117
The Manager	118
The Head Assistant and other Staff- members	124
The Labour	125
Tea Finance	130
<u>Chapter VI :</u>	
<b>Marketing of Tea</b>	133
a) Auction Sale	134
b) Foreign Sales	142
c) Direct Sale to the Foreign Market	143
d) Sale through Agents	144
e) Local Sales	144
<b>Fixation of Prices</b>	146
<b>Internal Consumption of North Bengal Tea</b>	148
<u>Chapter VII :</u>	
<b>Problems of the Tea Industries in North Bengal</b>	150
1) Physical Handicaps	150

	<u>Page</u>
2) Problems related to plantation	157
3) Economic Problems of the Tea Industry	164
4) Labour Problems	173
5) Political Influences-strikes etc.	174
6) Problems of Manufacturing	176
7) Inadequate Transport System	176
8) Unpredictable Market	178
9) The Management and Tea Technology	179
References	180
Bibliography	188
Appendix	191
Photographs	194 - 205