

## Contents

CHAPTER - I	PAGE NUMBER
INTRODUCTION	1 - 12
General	2
Location	4
Geography	4
Physiography and Drainage	4
Climate and Rainfall	7
Vegetation	9
Fauna	9
Communication and Transport	10
Purpose and Scope	10
CHAPTER - II	
PREVIOUS WORK	13 - 30
CHAPTER -III	
GEOLOGICAL SETTING	31 - 42
Bhuj Series	34
Deccan Trap Lava flows	35
Red Bole	36
Tertiary Rocks	37
Madh Rocks	37

Berwali Series	39
Bermoti Series	40
Khari Series	41
Kankawati Series	41
Porbander Series	42

#### CHAPTER - IV

MODE OF OCCURRENCE	43 - 119
Physiography of the laterite bearing areas	46
Structure of the laterite bearing areas	48
Taluka-wise description of the individual laterite exposures	53

#### CHAPTER - V

LABORATORY INVESTIGATIONS	120 - 227
Major oxides	
Trace elements	
XRD	

#### CHAPTER - VI

GENESIS OF LATERITE	228 - 315
Brief account of laterite genesis	229
Genesis of the laterites of Kutch	257
Climatic conditions	258
Morphology	267
Early Tertiary Surface	275
Drainage	280
Parent Rock	282

Nature and composition of basalt in Kutch	290
Chemistry of weathering of Deccan Trap basalt	292
Genetic model	299

#### CHAPTER - VII

RESUME	316 - 337
ACKNOWLEDGEMENT	338
REFERENCES	339 - 366