

CONTENTS

	Page number
CHAPTER 1 : INTRODUCTION	1 - 10
□ Purpose and scope	1
□ Approach and methodology	2
□ Study area	3
□ Physiography	4
□ Drainage	5
□ Geology	6
□ Climate	6
□ Flora	7
□ Fauna	8
□ Communication and transport	9
CHAPTER 2 : PREVIOUS STUDIES	11 - 25
□ General	11
□ Archaeological aspects	12
□ Stratigraphy and lithology	14
□ Geomorphology including drainage	16
□ Tectonic aspects	20
□ Palaeoclimatic aspects	23
CHAPTER 3 : GEOMORPHOLOGY	26 - 38
□ General	26
□ Rocky uplands	28
□ Alluvial plains	30
□ Coastal zone	32
□ Drainage characteristics	34
CHAPTER 4 : TECTONIC FRAMEWORK	39 - 53
□ General	39
□ Tectonic setting	41
□ Structural pattern	43
□ Neotectonism	44
□ Tectonic history	50

CHAPTER 5 : LITHOSTRATIGRAPHY AND FIELD DESCRIPTION 54 - 80

- General 54
- Lithostratigraphy of the study area 56
 - Rayka formation 57
 - Shihora formation 59
 - Singrot formation 60
 - Kothiyakhad formation 61
- Localitywise description 64

CHAPTER 6 : DEPOSITIONAL ENVIRONMENTS 81 - 114

- General 81
- Sedimentary facies 83
- Bounding surfaces in the fluvial sediment profiles 103
- Sedimentation model 110

CHAPTER 7 : PALAEOCLIMATES 115 - 129

- General 115
- Role of climate on sedimentation pattern 118
- Chronology of palaeoclimate in Mahi basin 119

CHAPTER 8 : CONCLUDING DISCUSSION 130 - 139

REFERENCES 140