CONTENTS

I - INTRODUCTION

Scope and Objective	2
Methodology	-3
Area Profile Location Physiography Geology Climate Geoenvironment Flora Fauna Communication People Socio-Economic Status	5 2 7 10 11 14 15 16 17 19 21
II - PREVIOUS WORK	
General	23
General Geology Regional Geology Geology of the district	23 23 26 28
Geology Regional Geology	23 26
Geology Regional Geology Geology of the district Geoenvironmental Aspects Past and Present drainage Influence of Quaternary Tectonism	23 26 28 28 31. 32
Geology Regional Geology Geology of the district Geoenvironmental Aspects Past and Present drainage Influence of Quaternary Tectonism Role of Climate in Landscape Evolution	23 26 28 28 31. 32 33

III - GEOENVIRONMENTAL FACTORS AND PARAMETERS.

General Consideration	56
Terrain Attributes LandScape Geology	56 57 58
Climatic Diversity	59
Water Regime Surface water Groundwater	61 61 63
Anthropogenic Impact and Interference	64
Geoenvironmental Overview of the study area	65
IV - EASTERN ROCKY HIGHLAND	
General	76
Terrain Attributes Landscape Geology	76 76 95
Climate	97
Water Regime Surface Water Groundwater	100 100 101
Anthropogenic imapct and Interference	103
V - CENTRAL ALLUVIAL PLAIN	
General	106
Terrain Attributes Landscape Geology	.106 .10 9 .119
Climate	122
Water Regime Surface water Groundwater	125 125 126
Anthropogenic Impact and Interferance	127).

IV - WESTERN SALINE WASTELAND

General	130
Terrain Attributes Landscape Geology	134 136 143
Climate	147
Water Regime Surface water Groundwater	149 149 150
Anthropogenic Aspects	152
VII - SURFACE WATER RESOURCE	
Introduction	155
Availability of Surface water Internal source External source Resource Development and Management Ponds Canals Major and Medium Schemes Minor Schemes	155 156 163 166 166 169 172 173
VIII - GROUNDWATER RESOURCE	
Introduction Hydrogeological Framework Consolidated formations Semiconsolidated formations Unconsolidated formations	176 176 189 18 4 18 5
Occurrance of Groundwater Unconfined Aquifer system Confined Aquifer system	185 19 0 190
Groundwater Recharge	193
Groundwater Development	194
Water Levels Water Quality	195 20 5

IX - GEOENVIRONMENTAL DIVERSITY AND WATER RESOURCES

General	210
Eastern Rocky Highland Central Alluvial Plain Western Saline Wasteland	210 213 216
Resume	21 9
LIST OF FIGURES	
LIST OF TABLES	
LIST OF PLATES	
BIBLIOGRAPHY	232
LIST OF ANNEYLIRES	