

## C O N T E N T S

	<u>Page</u>
<u>Chapter I : INTRODUCTION</u>	1
General	1
Location	2
Physiography	2
Climate and Rainfall	5
Vegetation	6
Communication and Transport	7
Purpose and Scope of Investigation	8
 <u>Chapter II : BACKGROUND INFORMATION</u>	 10
History of Graphite	10
World occurrences	12
Mining and Beneficiation	21
Industrial applications	25
 <u>Chapter III : GEOLOGICAL SETTING</u>	 30
 <u>Chapter IV : FIELD OBSERVATIONS</u>	 42
Geology of the area	42
Occurrence of graphite deposits	68
Mining	74
 <u>Chapter V : LABORATORY INVESTIGATIONS</u>	 76
Petrography	76
Proximate Analysis	111
Chemical Analysis	118
X-ray Analysis	118

	<u>Page</u>
<u>Chapter VI : ORIGIN OF GRAPHITE DEPOSITS</u>	125
<u>Chapter VII : BENEFICIATION AND INDUSTRIAL APPLICATIONS</u>	144
Beneficiation	144
Industrial applications	155
<u>Chapter VIII : SUMMARY AND CONCLUSION</u>	175
Geology	175
Occurrence	177
Mining	178
Origin	178
Beneficiation	182
Industrial applications	184
Acknowledgements	186
BIBLIOGRAPHY	187

LIST OF FIGURES

<u>Figure</u>	<u>Page</u>
I      Location map	3
II     Geological Map	At the back of the thesis
III    Flow-sheet	151