

C O N T E N T S

	Page No.
Abstract	i
Acknowledgements	iv
Chapter I Introduction	1
1.1 General	
1.2 Previous work done	
1.3 Scope of work	
Chapter II Introduction of the structural features	6
2.1 Planar structures	
2.2 Linear features	
2.3 Folds	
Chapter III Geometrical analysis of superposed folding	15
3.1 Introduction	
3.2 Description of the subareas	
3.3 Summary of the structural geometry	
Chapter IV Kinematic interpretation of the structures	64
4.1 First phase of deformation (B_1 folds)	
4.2 Second phase of deformation (B_2 folds)	
4.3 Third phase of deformation (B_3 folds)	
4.4 Comparison with the structures in the adjacent areas	
Chapter V Textural relations in pelitic and psammitic rocks	72
5.1 Introduction	
5.2 Textural relations	
5.3 Summary of the time relations of the metamorphic episodes	
Chapter VI Mineral assemblages	82
6.1 Assemblages of the second progressive metamorphism	
6.2 Chlorite zone	
6.3 Garnet zone	
6.4 Staurolite zone	
6.5 Kyanite(andalusite) zone	
6.6 Metamorphic facies and metamorphic conditions	
6.7 Retrogressive metamorphism	

C O N T E N T S

	Page No.
Chapter VII Spatial distribution and origin of the metamorphic minerals	91
7.1 The zonal pattern	
7.2 Lithological boundaries and structures	
7.3 Mineral paragenesis	
7.4 Conclusion	
Chapter VIII Metamorphism of basic and ultrabasic rocks	100
8.1 Stratigraphic position of the Dalma epidiorites	
8.2 Texture and metamorphism of epidiorites	
Chapter IX Summary and conclusion	103
9.1 Geological map	
9.2 Stratigraphy and geological sequence	
 Bibliography	 108
Annexure 1	124