

LIST OF FIGURES

<u>FIGURES</u>	<u>PAGE</u>
I.1 Location Map	4
I.2 Physiographic Map of the Study Area	6
I.3 Communication Map	17
III.1 Geology of the Study Area	43
IV.1 Tectonic framework of the Western Part of the Deccan Volcanic Province	77
IV.2 Dyke orientation observed from airphotos	84
IV.3 Structural Map of the Study Area	88
IV.4 Lineament Map on the basis of aerial photographs	89
IV.5 Orientations of Lineaments (frequency percentage) of the different river basins as observed from Rose diagrams	99
IV.6 Orientations of Lineaments (length percentage) of the different river basins as observed from Rose diagrams	100
V.1 Geomorphic Map of Block - I	111
V.2 Geomorphic Map of Block - II	112
V.3 Geomorphic Map of Block - III	Back of the thesis

<u>FIGURES</u>		<u>PAGE</u>
V.4	Cross Profile of Tithal Coast (Block - I)	121
V.5	Cross Profile of Daman Coast (Block - II)	129
V.6	Cross Profile of Umbargaon Coast (Block - III)	144
V.7	River Terraces	194
VI.1	Drainage of Bam river basin	205
VI.2	Drainage of Kolai river basin	206
VI.3	Drainage and lineament of Auranga river basin	207
VI.4	Drainage of Vanki river basin	208
VI.5	Drainage and Lineament of Par river basin	209
VI.6	Drainage and Lineament of Kolak river basin	210
VI.7	Drainage and Lineament of Damanganga river basin	211
VI.8	Drainage and Lineament of Kalai river basin	212
VI.9	Drainage and Lineament of Varoli river basin	213
VI.10	Map showing limits of different basins	215

<u>FIGURES</u>		<u>PAGE</u>
VI.11	Longitudinal profiles	221
VI.12	Drainage pattern	224
VI.13	Relation of number of channels to channel order	233
VI.14	Relation of average length to channel order	235
VI.15	Relation of drainage density to relief ratio	250
VI.16	Relation of elongation ratio to relief ratio	252
VI.17	A model of drainage characteristics in relation to different strandline positions of Study area	260
VII.1	Triangular plots and bar diagrams of coastal sediments of the Study area along the coast	286
VII.2	Percentage variations of coastal sands of the Study area across the coast	301
VII.3	Mean size variations of coastal sediments of Block - I along the coast	303
VII.4	Standard deviation variations of coastal sediments of Block - I along the coast	308

<u>FIGURES</u>		<u>PAGE</u>
VII.5	Skewness variations of coastal sediments of Block - I along the coast	310
VII.6	Kurtosis variations of coastal sediments of Block - I along the coast	311
VII.7	Mean size variations of coastal sediments of Block - II along the coast	312
VII.8	Standard deviation variations of coastal sediments of Block - II along the coast	314
VII.9	Skewness variations of coastal sediments of Block - II along the coast	316
VII.10	Kurtosis variations of coastal sediments of Block - II along the coast	318
VII.11	Mean size variations of the coastal sediments of Block - III along the coast	319
VII.12	Standard deviation variations of coastal sediments of Block - III along the coast	320
VII.13	Skewness variations of coastal sediments of Block - III along the coast	322
VII.14	Kurtosis variations of coastal sediments of Block - III along the coast	323
VII.15	Mean size variations of coastal sediments of Block - I across the coast	325

<u>FIGURES</u>		<u>PAGE</u>
VII.16	Standard deviation variations of coastal sediments of Block - I across the coast	326
VII.17	Skewness variations of coastal sediments of Block - I across the coast	328
VII.18	Kurtosis variations of coastal sediments of Block - I across the coast	329
VII.19	Mean size variations of coastal sediments of Block - II across the coast	330
VII.20	Standard deviation variations of coastal sediments of Block - II across the coast	337
VII.21	Skewness variations of coastal sediments of Block - II across the coast	338
VII.22	Kurtosis variations of coastal sediments of Block - II across the coast	339
VII.23	Mean size variations of coastal sediments of Block - III across the coast	346
VII.24	Standard deviation variations of coastal sediments of Block - III across the coast	347
VII.25	Skewness variations of coastal sediments of Block - III across the coast	349
VII.26	Kurtosis variations of coastal sediments of Block - III across the coast	350

<u>FIGURES</u>		<u>PAGE</u>
VII.27	Bivariant diagrams of the coastal sands of Block - I	Back of the thesis
VII.28	Bivariant diagrams of the coastal sands of Block - II	Back of the thesis
VII.29	Bivariant diagrams of the coastal sands of Block - III	Back of the thesis
VII.30	CM patterns of beach sediments	359
VII.31	Log probability plots of coastal sediments of Block - I	Back of the thesis
VII.32	Log probability plots of coastal sediments of Block - II	Back of the thesis
VII.33	Log probability plots of coastal sediments of Block - III	Back of the thesis
VII.34	Histograms depicting percentage variations of heavy minerals of Block - I	Back of the thesis
VII.35	Histograms depicting percentage variations of heavy minerals of Block - II	Back of the thesis
VII.36	Histograms depicting percentage variations of heavy minerals of Block - III	Back of the thesis

<u>FIGURES</u>	<u>PAGE</u>
VII.37 Percentage variations of Garnet, Zircon, Rutile, Tourmaline and Hornblende along the coast	Back of the thesis
VII.38 Percentage variations of Garnet, Zircon, Rutile, Tourmaline and Hornblende across the coast	Back of the thesis
VII.39 Distribution pattern of heavy minerals assemblages along the coast	401
IX.1 Pattern map of the Study area	441