

LIST OF PLATES

Plate no.	Page no.
1. SMALL CHANNEL/GULLY STRUCTURE, JAMAYWADI MEMBER LOCATED NEAR JAMAYWADI.	64
2. SANDSTONE BOULDERS AT GANGESHWAR.	68
3. MEGA WAVE RIPPLES ON TOP OF STORM GENERATED CALCAREOUS GRITTY FOSSILIFEROUS SANDSTONE (BS SUB-FACIES) IN LER MEMBER AT GANGESHWAR.	74
4. FLAME STRUCTURE IN TAPKESHWARI MEMBER, LOCATED NEAR BHARAPAR SANATORIUM.	89
5. STRUCTURES PRODUCED DUE TO DIFFERENCIAL EROSION (WIND ACTION) IN BHARAPAR MEMBER AT TAPKESHWARI.	94
6. PLANAR CROSS STRATIFICATION IN SANDSTONE WITH CONTORTION OF CROSS STRATIFICATION (PROBABLY-EFFECT OF PALAEOFLOOD) IN BHARAPAR MEMBER NEAR CHAKAR.	95
7. SEQUENCE OF STRUCTURES FROM BOTTOM TO TOP IN SHEET SANDSTONE SUBFACIES: MASSIVE, FLAT BEDDED, LOW ANGLE TO HUMMOCKY CROSS STRATIFIED AND RIPPLE MARKED.	122
8. CHANNEL STRUCTURE IN TAPKESHWARI MEMBER MOLDED BELOW THE MASSIVE SANDSTONE SUBFACIES AND INCISED IN RFSSS SUBFACIES.	134
9. WEDGE SHAPE GEOMETRY OF INDIVIDUAL CROSS STRATIFIED STRATA AND TIDAL BUNDLES - HERRINGBONE SANDSTONE SUBFACIES.	138
10. CONVEX UP AND CONCAVE UP BIVALVES - (LAG DEPOSITS UNDER STORM CONDITIONS) - BIVALVE SANDSTONE SUBFACIES - EXPOSURES NEAR GANGESHWAR.	143
11. INSITU LOGS OF TREES - BHARAPAR MEMBER NEAR BHUJ.	166

12. MICRORIPPLES IN CBCGS FACIES - BHARAPAR MEMBER NEAR KERA.	173
13a. NORTHWARDLY DIRECTED CROSS-STRATIFIED SANDSTONE EXPOSED ON WESTERN BANK OF THE RUKMAVATI RIVER SECTION NEAR KERA INTERPRETED AS FLOOD TIDE DEPOSITED FORMS.	176
13b. SOUTHERNLY DIPPING CROSS-STRATIFIED SANDSTONES EXPOSED ON EASTERN BANK OF THE RUKMAVATI RIVER SECTION NEAR KERA INTERPRETED AS EBB-TIDE DEPOSITED FORMS.	176
14. CHANNEL STRUCTURE INCISED WITHIN ESTUARINE FACIES.	177
15a. <u>ARENICOLITES SP.</u>	188
15b.(i) <u>ARENICOLITES CARBONARIUS.</u> (ii) <u>CHONDRITES SP. A.</u>	188
16a. <u>ARENICOLITES NODOSA.</u>	192
16b. <u>ARENICOLITES FRANCONICUS.</u>	192
17a. <u>ASTERIACITES QUINQUEFOLIUS.</u>	194
17b. <u>ASTERIACITES QUINQUEFOLIUS.</u>	194
18. <u>ASTERIACITES LUMBRICALIS.</u>	196
19. <u>BERGAUERIA SP.</u>	199
20. (i) <u>BIFUNGITES SP.</u> (ii) <u>COCHLICHNUS KOCHI.</u>	202
21. <u>BOLONIA LATA.</u>	204
22. <u>CHONDRITES SP. B.</u>	208
23. <u>CIRCULICHNUS MONTANUS.</u>	210
24. <u>COCHLICHNUS SERPENS.</u>	213
25. <u>CONOSTICHUS WYCHERLYI.</u>	216
26. <u>COROPHIOIDES LUNIFORMIS.</u>	220
27. <u>CROSSOPODIA SP.</u>	223
28. <u>CYLINDRICHNUS SP.</u>	225
29. <u>CYLINDRICUM SP.</u>	228
30. <u>DIDYMAULICHNUS LYELLI.</u>	230
31. <u>DIPLOCRATERION SP.</u>	232
32a. <u>DIPLOCRATERION PARALLELUM.</u>	235

32b. <u>DIPLOCRATERION PARALLELUM.</u>	235
33. <u>ENTEROPNEUSTA BURROWS.</u>	238
34. <u>FUSTIGLYPHUS SP.</u>	240
35. <u>GRANULARIA SP.</u>	243
36a. <u>GYROCHORTE COMOSA.</u>	245
36b. <u>GYROCHORTE COMOSA.</u>	245
37. <u>GYROLITHES SAXONICUS.</u>	248
38. <u>GYROPHYLLITES SP.</u>	251
39a. <u>HELMINTHOPSIS ABELI.</u>	254
39b. <u>HELMINTHOPSIS HIEROGLYPHICA.</u>	254
40. <u>HISTIODERMA HIBERNICA.</u>	258
41. <u>ISOPODICHNUS PROBLEMATICUS.</u>	261
42a. <u>KECKIA SP.</u>	263
42b. <u>KECKIA ANNULATA.</u>	263
43. <u>LAEVICYCLUS SP.</u>	266
44. <u>MEGAGRAPTON SP.</u>	268
45. <u>MONOCRATERION TENTACULATUM.</u>	270
46. <u>MUENSTERIA SP.</u>	273
47. (i) <u>NEONEREITES BISERIALIS.</u>	
(ii) <u>PHYCODES PALMATUM.</u>	276
48. (i) <u>OLDHAMIA SP.</u>	
(ii) <u>GYROCHORTE COMOSA.</u>	279
49. <u>OPHIOMORPHA NODOSA.</u>	282
50. <u>PALAEOBULLIA SP.</u>	285
51a. <u>PALAEOPHYCUS HEBERTI</u>	288
51b. <u>PALAEOPHYCUS TUBULARIS.</u>	288
52a. <u>PALAEOPHYCUS STRIATUS.</u>	291
52b. <u>PALAEOPHYCUS SULCATUS.</u>	291
53. <u>PALAEOPHYCUS ALTERNATUS.</u>	294
54a. (i) <u>PHYCODES SP.</u>	
(ii) <u>PHYCODES PEDUM.</u>	
(iii) <u>PLANOLITES ANNULARIS.</u>	296
54b. <u>PHYCODES CIRCINNATUM.</u>	296
55a. <u>PLANOLITES BEVERLEYENSIS.</u>	303

55b. <u>PLANOLITES MONTANUS.</u>	303
56. <u>PROTOPALEODICTYON INCOMPOSITUM.</u>	308
57a. <u>RHIZOCORALLIUM SP.</u>	310
57b. <u>RHIZOCORALLIUM JENENSE.</u>	310
58. <u>RHIZOCORALLIUM IRREGULARIE.</u>	314
59. <u>ROSSELIA SP.</u>	317
60. <u>SCALARITUBA SP.</u>	319
61. <u>SCOLICIA SP.</u>	322
62a. <u>SKOLITHOS SP.</u>	325
62b. <u>SKOLITHOS LINEARIS.</u>	325
63. <u>SPIROPHYTON SP.</u>	329
64. <u>STIPSELLUS ANNULATUS.</u>	332
65. <u>STROBILORHAPHE PUSILLA.</u>	335
66a. <u>TAENIDIUM SERPENTINUM.</u>	338
66b. <u>TAENIDIUM ISSELI.</u>	338
67a.(i) <u>THALASSINOIDES SP.</u>	
(ii) <u>THALASSINOIDES PARADOXICUS.</u>	344
67b. <u>THALASSINOIDES SUEVICUS.</u>	344
68. <u>TISOA SIPHONALIS.</u>	347
69. <u>TRICHICHNUS LINEARIS.</u>	350
70. <u>YAKUTATIA EMERSONI.</u>	353
71. <u>ZOOPHYCOS BRIANTEUS.</u>	355
72a. DHOSA OOLITE BAND AT LER SHOWING UNDERCUTTING AND REFILLING BY VARIOUS TYPES OF LITHOLOGIES.	449
72b. DHOSA OOLITE BAND AT LER SHOWING UNDERCUTTING AND REFILLING BY VARIOUS TYPES OF LITHOLOGIES.	449
73. TIDAL FLAT SANDSTONE DEPOSITS NEAR GANGESHWAR.	486