A P P E N D I X

APPENDIX - I.1

GEOLOGICAL SEQUENCE IN SAURASHTRA

(Ref: Kathiara, 1970)

Formation	Lithology	Thickness (m)	Age
1	2	3	4
Alluvium	Alluvium, black cotton soil, wind blown coastal sand and saline marl, oyster beds and coral reefs	6-7	Recent
----------Unconformity----------			
Porbandar Limestone (Millio-lite lime-stone)	White to light brown pisolitic to arenaceous limestone with grits, conglomerate and clay bands	31	Pleistocene to Subrecent
Dwarka beds	Varigated clay, occasionally gypsiferous and calcareous. Arenaceous limestone	40	Upper most Miocene and Pliocene
Piram beds	Conglomerate, grits, and fossiliferous sand clay	9	
----------Unconformity----------			
Gaj Formation	Sandstone, conglomerate, grits and clays	540	Lower Miocene
	-------Unconformity----------		
Lateritic rocks	Red brown laterite and bauxite	25	Lower Eocene
Plutonic masses	Plutonic masses and intrusives	170	Paleocene to Upper
Deccan Trap	Basaltic flows with some acid flows and intratrappeans		Cretaceous
----------Unconformity----------			
Wadhwan sandstone	Brick red to brown ferrugenous Sandstone with varigated clay bands	40	Middle Cretaceous (Albian Cenomanion)
Dhrangadhra (Umia beds) Sandstone (Upper Gondwana)	White and ferruginous sandstone with grey clay bands, Carbonaceous shale and coal	710	Albian to Upper most Jurassic

Base not exposed