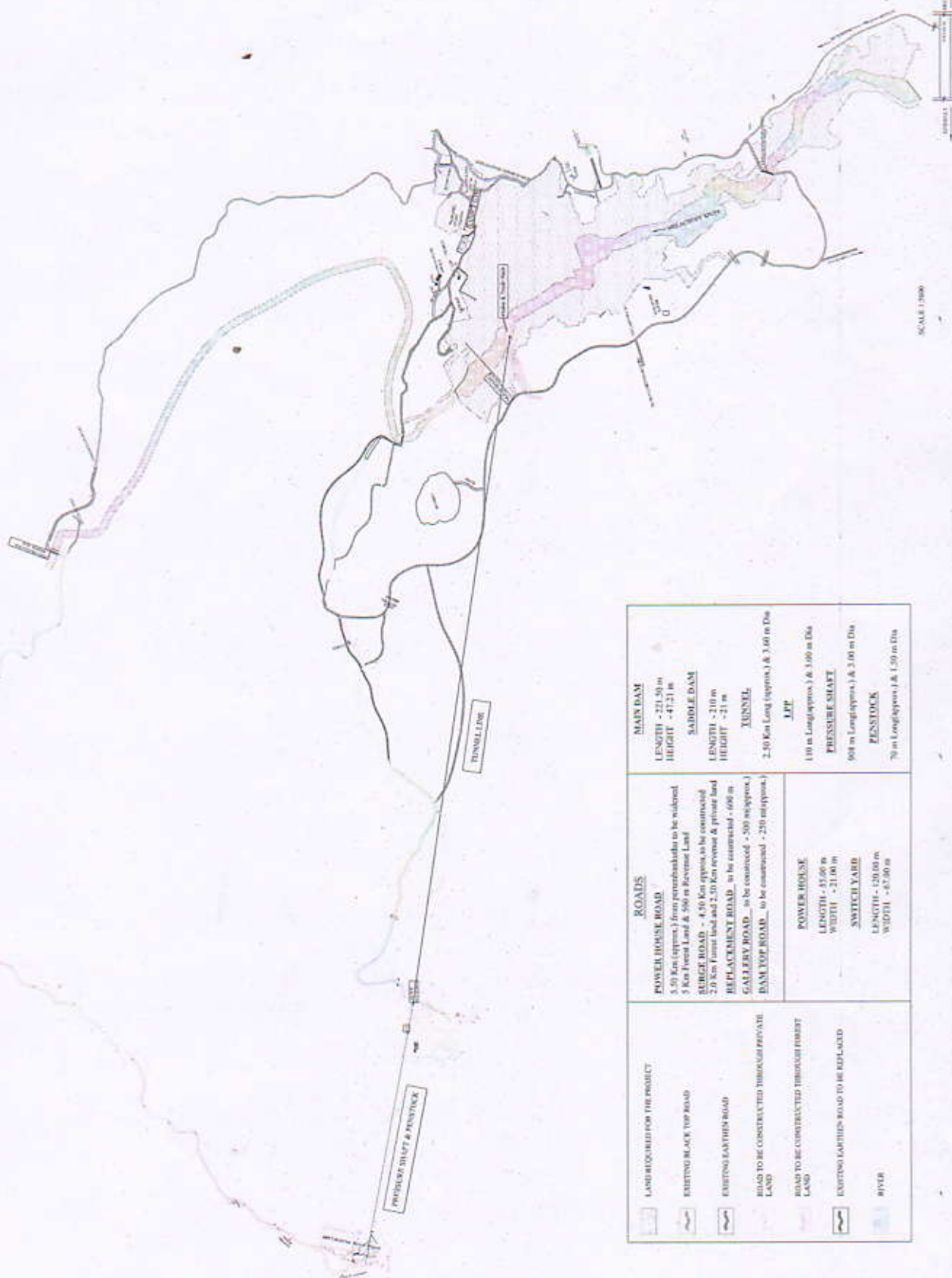


KERALA STATE ELECTRICITY BOARD GENERAL LAY OUT OF MANKULAM HEP



LAND REQUIRED FOR THE PROJECT		ROADS		MAIN DAM	
	EXISTING BLACK TOP ROAD	POWER HOUSE ROAD 5.50 Km (approx.) from penstockhead to be widened 5 Km Forest Land & 500 m Revenue Land BURGER ROAD - 4.50 Km approx. to be constructed 2.0 Km Forest land and 2.50 Km revenue & private land REPLACEMENT ROAD - to be constructed - 600 m GALLERY ROAD - to be constructed - 500 m (approx.) DAM TOP ROAD - to be constructed - 250 m (approx.)		LENGTH - 221.50 m	HIGHT - 47.21 m
	EXISTING EARTHEN ROAD			SADDLE DAM	
	ROAD TO BE CONSTRUCTED THROUGH PRIVATE LAND			LENGTH - 210 m	HIGHT - 21 m
	ROAD TO BE CONSTRUCTED THROUGH FOREST LAND			TUNNEL	
	EXISTING EARTHEN ROAD TO BE REPLACED	POWER HOUSE LENGTH - 57.00 m WIDTH - 21.00 m SWITCH YARD LENGTH - 120.00 m WIDTH - 47.00 m		2.50 Km Long (approx.) & 3.00 m Dia	
				1PT	
				110 m Long (approx.) & 3.00 m Dia	
				PRESSURE SHUTT	
				900 m Long (approx.) & 3.00 m Dia	
RIVER				PENSTOCK	
				70 m Long (approx.) & 1.20 m Dia	

SCALE : 1:1000