

Kodayar-I Dam

Location	8.5219° N, 77.3600° E
State	Tamil Nadu
Nearest City	Kalkulam
Year of Completion	1972
Operated and Maintained by	Tamil Nadu Electricity Generation and Distribution Corporation
River Basin	South Coast
River	Kodaiyar
Dam Type	Masonry Gravity
Height above lowest foundation level	88.0 m
Dam length	166.0 m
Reservoir Area	8300000.0 m ²
Gross storage capacity	98690000.0 m ³
Effective storage capacity	98510000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	27.6 km ²
Perimeter of catchment	31.3 km
Basin Length	10773.0 m
Form factor	0.23744
Circularity ratio	0.35436
Elongation ratio	0.54965
Highest Stream order	6
Max elevation	1777.0 m
Min elevation	1258.0 m
Mean bifurcation ratio	2.2663
Stream frequency	79.4660 per km ²
Relief	519.00 m
Drainage density	11.8910 km/km ²
Length of overland flow	42.050 m

CATCHMENT CLIMATOLOGY

