

Chittar-I Dam

Location	8.4356° N, 77.2856° E
State	Tamil Nadu
Nearest City	Vilavankod
Year of Completion	1972
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Chittar
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.9 m
Dam length	806.0 m
Reservoir Area	2930000.0 m ²
Gross storage capacity	17271490.0 m ³
Effective storage capacity	11130000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	26.3 km ²
Perimeter of catchment	26.6 km
Basin Length	8882.9 m
Form factor	0.33389
Circularity ratio	0.46811
Elongation ratio	0.65180
Highest Stream order	5
Max elevation	787.0 m
Min elevation	72.0 m
Mean bifurcation ratio	2.6461
Stream frequency	82.1760 per km ²
Relief	715.00 m
Drainage density	12.3880 km/km ²
Length of overland flow	40.361 m

CATCHMENT CLIMATOLOGY

