

## Kelavarapalli Dam

Location	12.7674° N, 77.8740° E
State	Tamil Nadu
Nearest City	Hosur
Year of Completion	1993
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	East Coast
River	Pennaiyar
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	13.5 m
Dam length	547.0 m
Reservoir Area	3495000.0 m <sup>2</sup>
Gross storage capacity	13620000.0 m <sup>3</sup>
Effective storage capacity	13170000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2527.5 km <sup>2</sup>
Perimeter of catchment	301.3 km
Basin Length	85698.0 m
Form factor	0.34415
Circularity ratio	0.35004
Elongation ratio	0.66173
Highest Stream order	8
Max elevation	1458.0 m
Min elevation	802.0 m
Mean bifurcation ratio	2.1255
Stream frequency	74.7850 per km <sup>2</sup>
Relief	656.00 m
Drainage density	10.7070 km/km <sup>2</sup>
Length of overland flow	46.700 m

## CATCHMENT CLIMATOLOGY

