

Parappalar Dam

Location	10.4331° N, 77.6836° E
State	Tamil Nadu
Nearest City	Palani
Year of Completion	1974
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	Cauvery
River	Parappalar
Dam Type	Masonry Gravity
Height above lowest foundation level	39.6 m
Dam length	81.1 m
Reservoir Area	1140000.0 m ²
Gross storage capacity	5600000.0 m ³
Effective storage capacity	5600000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	75.4 km ²
Perimeter of catchment	39.0 km
Basin Length	8471.2 m
Form factor	1.05000
Circularity ratio	0.62154
Elongation ratio	1.15590
Highest Stream order	6
Max elevation	1410.0 m
Min elevation	495.0 m
Mean bifurcation ratio	2.4075
Stream frequency	85.7710 per km ²
Relief	915.00 m
Drainage density	13.2490 km/km ²
Length of overland flow	37.740 m

CATCHMENT CLIMATOLOGY

