

Gomukhinadhi Dam

Location	11.7789° N, 78.8297° E
State	Tamil Nadu
Nearest City	Kallakurichi
Year of Completion	1965
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	East Coast
River	Gomukhinadhi
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	24.8 m
Dam length	2103.0 m
Reservoir Area	3600000.0 m ²
Gross storage capacity	15860000.0 m ³
Effective storage capacity	14105000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	300.7 km ²
Perimeter of catchment	89.8 km
Basin Length	25046.0 m
Form factor	0.47940
Circularity ratio	0.46825
Elongation ratio	0.78102
Highest Stream order	8
Max elevation	1262.0 m
Min elevation	170.0 m
Mean bifurcation ratio	6.4491
Stream frequency	81.4870 per km ²
Relief	1092.00 m
Drainage density	12.3110 km/km ²
Length of overland flow	40.612 m

CATCHMENT CLIMATOLOGY

