

Swarnamukhi Barrage Dam

Location	14.0069° N, 80.0697° E
State	Andhra Pradesh
Nearest City	Nellore
Year of Completion	2008
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	East Coast
River	Swarnamukhi
Dam Type	Other
Height above lowest foundation level	10.6 m
Dam length	389.5 m
Reservoir Area	487555.0 m ²
Gross storage capacity	991780.0 m ³
Effective storage capacity	m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2824.2 km ²
Perimeter of catchment	383.0 km
Basin Length	122880.0 m
Form factor	0.18705
Circularity ratio	0.24196
Elongation ratio	0.48785
Highest Stream order	8
Max elevation	1130.0 m
Min elevation	-5.0 m
Mean bifurcation ratio	2.1466
Stream frequency	76.6520 per km ²
Relief	1135.00 m
Drainage density	11.1250 km/km ²
Length of overland flow	44.945 m

CATCHMENT CLIMATOLOGY

