

Yogi Vemana (Maddileru) Reservoir Dam

Location	14.3581° N, 78.0522° E
State	Andhra Pradesh
Nearest City	Kadiri
Year of Completion	2001
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Pennar
River	Maddileru Tributary To Chitravati
Dam Type	Other
Height above lowest foundation level	29.5 m
Dam length	570.0 m
Reservoir Area	4633000.0 m ²
Gross storage capacity	25490000.0 m ³
Effective storage capacity	21149000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1364.1 km ²
Perimeter of catchment	227.9 km
Basin Length	56283.0 m
Form factor	0.43061
Circularity ratio	0.33023
Elongation ratio	0.74020
Highest Stream order	8
Max elevation	1069.0 m
Min elevation	362.0 m
Mean bifurcation ratio	2.1719
Stream frequency	74.5170 per km ²
Relief	707.00 m
Drainage density	10.5680 km/km ²
Length of overland flow	47.312 m

CATCHMENT CLIMATOLOGY

