

Surempalem Reservoir Project Dam

Location	17.5061° N, 81.9047° E
State	Andhra Pradesh
Nearest City	Gokavaram
Year of Completion	2006
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Godavari
River	Burada Kalva
Dam Type	Earthfill Embankment
Height above lowest foundation level	27.6 m
Dam length	800.0 m
Reservoir Area	2249000000.0 m ²
Gross storage capacity	7050894.0 m ³
Effective storage capacity	7050894.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	67.0 km ²
Perimeter of catchment	48.5 km
Basin Length	11974.0 m
Form factor	0.46734
Circularity ratio	0.35867
Elongation ratio	0.77112
Highest Stream order	6
Max elevation	979.0 m
Min elevation	225.0 m
Mean bifurcation ratio	2.4031
Stream frequency	86.7330 per km ²
Relief	754.00 m
Drainage density	13.0440 km/km ²
Length of overland flow	38.333 m

CATCHMENT CLIMATOLOGY

