

Upper Pennar Dam

Location	14.3511° N, 77.3522° E
State	Andhra Pradesh
Nearest City	Dharmavaram
Year of Completion	1959
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Pennar
River	Pennar
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.7 m
Dam length	3505.0 m
Reservoir Area	7917000.0 m ²
Gross storage capacity	51282000.0 m ³
Effective storage capacity	44570716.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5447.4 km ²
Perimeter of catchment	437.0 km
Basin Length	124520.0 m
Form factor	0.35135
Circularity ratio	0.35855
Elongation ratio	0.66862
Highest Stream order	9
Max elevation	1392.0 m
Min elevation	512.0 m
Mean bifurcation ratio	2.3085
Stream frequency	73.0560 per km ²
Relief	880.00 m
Drainage density	10.3150 km/km ²
Length of overland flow	48.475 m

CATCHMENT CLIMATOLOGY

