

C.K.Reservoir Dam

Location	15.6614° N, 79.9867° E
State	Andhra Pradesh
Nearest City	Y.Palem
Year of Completion	1975
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Pennar
River	Gundlakama
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.0 m
Dam length	178.0 m
Reservoir Area	21522930.0 m ²
Gross storage capacity	4813000.0 m ³
Effective storage capacity	4813000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8005.9 km ²
Perimeter of catchment	628.3 km
Basin Length	140270.0 m
Form factor	0.40692
Circularity ratio	0.25492
Elongation ratio	0.71955
Highest Stream order	10
Max elevation	961.0 m
Min elevation	15.0 m
Mean bifurcation ratio	2.6866
Stream frequency	74.3500 per km ²
Relief	946.00 m
Drainage density	10.5310 km/km ²
Length of overland flow	47.477 m

CATCHMENT CLIMATOLOGY

