

Owk Reservoir Complex (Palair, Gollaleru, Timmaraju) Dam

Location	15.1842° N, 78.0969° E
State	Andhra Pradesh
Nearest City	Banaganpalli
Year of Completion	1946
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Pennar
River	Paleru
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.2 m
Dam length	622.0 m
Reservoir Area	808270000.0 m ²
Gross storage capacity	3514286.0 m ³
Effective storage capacity	2460000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	92.8 km ²
Perimeter of catchment	46.9 km
Basin Length	17291.0 m
Form factor	0.31050
Circularity ratio	0.52962
Elongation ratio	0.62855
Highest Stream order	6
Max elevation	539.0 m
Min elevation	204.0 m
Mean bifurcation ratio	2.3419
Stream frequency	77.1690 per km ²
Relief	335.00 m
Drainage density	11.0430 km/km ²
Length of overland flow	45.279 m

CATCHMENT CLIMATOLOGY

