

Kovvadda Kalva Dam

Location	17.1978° N, 81.5075° E
State	Andhra Pradesh
Nearest City	Polavaram
Year of Completion	2004
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Godavari
River	Kouvodakalva
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.0 m
Dam length	1599.0 m
Reservoir Area	12346000.0 m ²
Gross storage capacity	12360000.0 m ³
Effective storage capacity	11581000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	113.2 km ²
Perimeter of catchment	59.3 km
Basin Length	18801.0 m
Form factor	0.32033
Circularity ratio	0.40531
Elongation ratio	0.63843
Highest Stream order	6
Max elevation	630.0 m
Min elevation	77.0 m
Mean bifurcation ratio	2.1787
Stream frequency	78.9040 per km ²
Relief	553.00 m
Drainage density	11.2650 km/km ²
Length of overland flow	44.387 m

CATCHMENT CLIMATOLOGY

