

Udayasamudram Dam

Location	17.0814° N, 79.3053° E
State	Telangana
Nearest City	Nalgonda
Year of Completion	1906
Operated and Maintained by	Telangana Irrigation and CAD Department
River Basin	Krishna
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.0 m
Dam length	2987.0 m
Reservoir Area	4840000.0 m ²
Gross storage capacity	13460000.0 m ³
Effective storage capacity	9422000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	122.3 km ²
Perimeter of catchment	58.2 km
Basin Length	22047.0 m
Form factor	0.25155
Circularity ratio	0.45304
Elongation ratio	0.56575
Highest Stream order	6
Max elevation	390.0 m
Min elevation	203.0 m
Mean bifurcation ratio	2.0617
Stream frequency	71.9220 per km ²
Relief	187.00 m
Drainage density	9.7960 km/km ²
Length of overland flow	51.041 m

CATCHMENT CLIMATOLOGY

