

Sarpanapally Project Dam

Location	17.2678° N, 77.8675° E
State	Telangana
Nearest City	Vikarabad
Year of Completion	1989
Operated and Maintained by	Telangana Irrigation and CAD Department
River Basin	Krishna
River	Sarpanapallyvagu
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.4 m
Dam length	1204.0 m
Reservoir Area	1508600.0 m ²
Gross storage capacity	7094100.0 m ³
Effective storage capacity	5578000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	70.0 km ²
Perimeter of catchment	37.4 km
Basin Length	9431.5 m
Form factor	0.78665
Circularity ratio	0.62900
Elongation ratio	1.00050
Highest Stream order	6
Max elevation	721.0 m
Min elevation	552.0 m
Mean bifurcation ratio	2.3007
Stream frequency	78.2290 per km ²
Relief	169.00 m
Drainage density	11.1420 km/km ²
Length of overland flow	44.876 m

CATCHMENT CLIMATOLOGY

