

Gujjulavagu Project, Gandhari Dam

Location	18.4433° N, 78.1172° E
State	Telangana
Nearest City	Yellareddy
Year of Completion	1998
Operated and Maintained by	Telangana Irrigation and CAD Department
River Basin	Godavari
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Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	780.0 m
Reservoir Area	810000.0 m ²
Gross storage capacity	3256000.0 m ³
Effective storage capacity	2768000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	26.4 km ²
Perimeter of catchment	25.6 km
Basin Length	7342.1 m
Form factor	0.48895
Circularity ratio	0.50372
Elongation ratio	0.78875
Highest Stream order	5
Max elevation	651.0 m
Min elevation	549.0 m
Mean bifurcation ratio	2.5805
Stream frequency	78.0810 per km ²
Relief	102.00 m
Drainage density	10.8530 km/km ²
Length of overland flow	46.071 m

CATCHMENT CLIMATOLOGY

