

Gugawad Dam

Location	16.9072° N, 75.1647° E
State	Maharashtra
Nearest City	Jath
Year of Completion	1987
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Krishna
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.4 m
Dam length	580.0 m
Reservoir Area	395000.0 m ²
Gross storage capacity	1780000.0 m ³
Effective storage capacity	1590000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	17.0 km ²
Perimeter of catchment	18.4 km
Basin Length	5879.9 m
Form factor	0.49108
Circularity ratio	0.62938
Elongation ratio	0.79047
Highest Stream order	5
Max elevation	720.0 m
Min elevation	620.0 m
Mean bifurcation ratio	3.3514
Stream frequency	77.0390 per km ²
Relief	100.00 m
Drainage density	10.7920 km/km ²
Length of overland flow	46.331 m

CATCHMENT CLIMATOLOGY

