

Jagadi Dam

Location	22.3917° N, 70.2806° E
State	Gujarat
Nearest City	Jamnagar
Year of Completion	1973
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.5 m
Dam length	1306.0 m
Reservoir Area	1438000.0 m ²
Gross storage capacity	2160000.0 m ³
Effective storage capacity	1840000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	32.8 km ²
Perimeter of catchment	28.9 km
Basin Length	9377.1 m
Form factor	0.37305
Circularity ratio	0.49314
Elongation ratio	0.68896
Highest Stream order	6
Max elevation	98.0 m
Min elevation	44.0 m
Mean bifurcation ratio	2.5403
Stream frequency	70.9090 per km ²
Relief	54.00 m
Drainage density	9.1480 km/km ²
Length of overland flow	54.658 m

CATCHMENT CLIMATOLOGY

