

Jaday Dam

Location	23.3169° N, 69.2119° E
State	Gujarat
Nearest City	Nakhatrana
Year of Completion	1969
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Dharui Nadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	28.8 m
Dam length	175.0 m
Reservoir Area	58595.0 m ²
Gross storage capacity	1000000.0 m ³
Effective storage capacity	1000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	12.5 km ²
Perimeter of catchment	16.2 km
Basin Length	5201.3 m
Form factor	0.46367
Circularity ratio	0.59932
Elongation ratio	0.76810
Highest Stream order	5
Max elevation	271.0 m
Min elevation	143.0 m
Mean bifurcation ratio	5.2119
Stream frequency	82.9880 per km ²
Relief	128.00 m
Drainage density	11.2660 km/km ²
Length of overland flow	44.380 m

CATCHMENT CLIMATOLOGY

