

Kothariya Dam

Location	22.4536° N, 70.7100° E
State	Gujarat
Nearest City	Morbi
Year of Completion	1947
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Aji
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.0 m
Dam length	m
Reservoir Area	704214.0 m ²
Gross storage capacity	1853000.0 m ³
Effective storage capacity	1853000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.1 km ²
Perimeter of catchment	19.8 km
Basin Length	7247.1 m
Form factor	0.36421
Circularity ratio	0.61142
Elongation ratio	0.68075
Highest Stream order	5
Max elevation	121.0 m
Min elevation	79.0 m
Mean bifurcation ratio	2.4286
Stream frequency	66.3400 per km ²
Relief	42.00 m
Drainage density	8.2510 km/km ²
Length of overland flow	60.601 m

CATCHMENT CLIMATOLOGY

