

Thikariyala Dam

Location	22.4114° N, 71.0900° E
State	Gujarat
Nearest City	Wankaner
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Machhu
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.2 m
Dam length	651.0 m
Reservoir Area	260000.0 m ²
Gross storage capacity	1720000.0 m ³
Effective storage capacity	1490000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	17.7 km ²
Perimeter of catchment	18.8 km
Basin Length	6366.7 m
Form factor	0.43758
Circularity ratio	0.63326
Elongation ratio	0.74617
Highest Stream order	5
Max elevation	320.0 m
Min elevation	190.0 m
Mean bifurcation ratio	2.2387
Stream frequency	77.9700 per km ²
Relief	130.00 m
Drainage density	10.5370 km/km ²
Length of overland flow	47.451 m

CATCHMENT CLIMATOLOGY

