

Mesaria-2 Dam

Location	22.4519° N, 71.0942° E
State	Gujarat
Nearest City	Wankaner
Year of Completion	1974
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Tmachhu
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.0 m
Dam length	570.0 m
Reservoir Area	1043007.0 m ²
Gross storage capacity	651000.0 m ³
Effective storage capacity	651000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	54.3 km ²
Perimeter of catchment	45.2 km
Basin Length	13664.0 m
Form factor	0.29080
Circularity ratio	0.33351
Elongation ratio	0.60829
Highest Stream order	6
Max elevation	321.0 m
Min elevation	164.0 m
Mean bifurcation ratio	6.9462
Stream frequency	76.1570 per km ²
Relief	157.00 m
Drainage density	10.3860 km/km ²
Length of overland flow	48.141 m

CATCHMENT CLIMATOLOGY

