

Manari Dam

Location	21.3667° N, 72.1333° E
State	Gujarat
Nearest City	Talaja
Year of Completion	1990
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Manari
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.4 m
Dam length	715.2 m
Reservoir Area	1240000.0 m ²
Gross storage capacity	3100000.0 m ³
Effective storage capacity	3100000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9.2 km ²
Perimeter of catchment	14.8 km
Basin Length	5472.2 m
Form factor	0.30642
Circularity ratio	0.52434
Elongation ratio	0.62440
Highest Stream order	5
Max elevation	54.0 m
Min elevation	13.0 m
Mean bifurcation ratio	9.1504
Stream frequency	72.2570 per km ²
Relief	41.00 m
Drainage density	8.9140 km/km ²
Length of overland flow	56.091 m

CATCHMENT CLIMATOLOGY

Data not available.