

Mota Ankadia Dam

Location	21.6536° N, 71.0969° E
State	Gujarat
Nearest City	Amreli
Year of Completion	1903
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	m
Dam length	m
Reservoir Area	650000.0 m ²
Gross storage capacity	1189460.0 m ³
Effective storage capacity	1114690.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	14.2 km ²
Perimeter of catchment	18.7 km
Basin Length	7004.0 m
Form factor	0.28936
Circularity ratio	0.51258
Elongation ratio	0.60677
Highest Stream order	5
Max elevation	189.0 m
Min elevation	145.0 m
Mean bifurcation ratio	2.6481
Stream frequency	68.6880 per km ²
Relief	44.00 m
Drainage density	8.5680 km/km ²
Length of overland flow	58.354 m

CATCHMENT CLIMATOLOGY

