

Mota Bandharia Dam

Location	21.5600° N, 71.1117° E
State	Gujarat
Nearest City	Amreli
Year of Completion	1911
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Salal
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.0 m
Dam length	2840.0 m
Reservoir Area	920186.0 m ²
Gross storage capacity	1680000.0 m ³
Effective storage capacity	1588000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	41.7 km ²
Perimeter of catchment	39.7 km
Basin Length	14686.0 m
Form factor	0.19349
Circularity ratio	0.33358
Elongation ratio	0.49617
Highest Stream order	6
Max elevation	182.0 m
Min elevation	118.0 m
Mean bifurcation ratio	1.9825
Stream frequency	67.2920 per km ²
Relief	64.00 m
Drainage density	8.4770 km/km ²
Length of overland flow	58.982 m

CATCHMENT CLIMATOLOGY

