

Mota-Zinzuda Dam

Location	21.3194° N, 71.3758° E
State	Gujarat
Nearest City	Savarkundla
Year of Completion	1986
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	137193.0 m ²
Gross storage capacity	339000.0 m ³
Effective storage capacity	335000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.7 km ²
Perimeter of catchment	9.9 km
Basin Length	3113.5 m
Form factor	0.37906
Circularity ratio	0.46964
Elongation ratio	0.69448
Highest Stream order	4
Max elevation	204.0 m
Min elevation	152.0 m
Mean bifurcation ratio	2.3338
Stream frequency	73.7490 per km ²
Relief	52.00 m
Drainage density	9.5470 km/km ²
Length of overland flow	52.370 m

CATCHMENT CLIMATOLOGY

