

Mudhan Dam

Location	23.7406° N, 68.9494° E
State	Gujarat
Nearest City	Lakhpat
Year of Completion	2008
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Ozat
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.1 m
Dam length	2760.0 m
Reservoir Area	173000.0 m ²
Gross storage capacity	1622000.0 m ³
Effective storage capacity	1236000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	37.6 km ²
Perimeter of catchment	32.0 km
Basin Length	11179.0 m
Form factor	0.30118
Circularity ratio	0.46245
Elongation ratio	0.61905
Highest Stream order	6
Max elevation	226.0 m
Min elevation	19.0 m
Mean bifurcation ratio	3.3111
Stream frequency	82.7580 per km ²
Relief	207.00 m
Drainage density	11.5090 km/km ²
Length of overland flow	43.443 m

CATCHMENT CLIMATOLOGY

