

Kotia Dam

Location	21.3831° N, 71.8861° E
State	Gujarat
Nearest City	Talaja
Year of Completion	Not Available
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Koliyar
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.0 m
Dam length	854.0 m
Reservoir Area	400475.0 m ²
Gross storage capacity	2070000.0 m ³
Effective storage capacity	1980000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.4 km ²
Perimeter of catchment	15.8 km
Basin Length	4484.6 m
Form factor	0.56864
Circularity ratio	0.57541
Elongation ratio	0.85060
Highest Stream order	5
Max elevation	174.0 m
Min elevation	83.0 m
Mean bifurcation ratio	2.0839
Stream frequency	72.1370 per km ²
Relief	91.00 m
Drainage density	9.0410 km/km ²
Length of overland flow	55.307 m

CATCHMENT CLIMATOLOGY

