

Rajavadala Dam

Location	22.0969° N, 71.1661° E
State	Gujarat
Nearest City	Jasdan
Year of Completion	1902
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bundanpuri
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.0 m
Dam length	650.0 m
Reservoir Area	2217547.0 m ²
Gross storage capacity	1900000.0 m ³
Effective storage capacity	1900000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	30.9 km ²
Perimeter of catchment	26.5 km
Basin Length	9368.5 m
Form factor	0.35180
Circularity ratio	0.55423
Elongation ratio	0.66904
Highest Stream order	6
Max elevation	277.0 m
Min elevation	201.0 m
Mean bifurcation ratio	2.6467
Stream frequency	75.3000 per km ²
Relief	76.00 m
Drainage density	9.9590 km/km ²
Length of overland flow	50.207 m

CATCHMENT CLIMATOLOGY

