

Rajawal Dam

Location	21.5164° N, 71.9114° E
State	Gujarat
Nearest City	Palitana
Year of Completion	1980
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Rajawal
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.4 m
Dam length	3570.0 m
Reservoir Area	8160000.0 m ²
Gross storage capacity	33010000.0 m ³
Effective storage capacity	27480000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	304.4 km ²
Perimeter of catchment	109.0 km
Basin Length	33509.0 m
Form factor	0.27110
Circularity ratio	0.32212
Elongation ratio	0.58731
Highest Stream order	7
Max elevation	165.0 m
Min elevation	31.0 m
Mean bifurcation ratio	2.5139
Stream frequency	70.7660 per km ²
Relief	134.00 m
Drainage density	9.2900 km/km ²
Length of overland flow	53.821 m

CATCHMENT CLIMATOLOGY

