

Sardar Samand Dam

Location	25.9781° N, 73.3861° E
State	Rajasthan
Nearest City	Pali
Year of Completion	1905
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Sabarmati
River	Sukhri
Dam Type	Earthfill Embankment
Height above lowest foundation level	35.0 m
Dam length	10760.0 m
Reservoir Area	9334600.0 m ²
Gross storage capacity	88170000.0 m ³
Effective storage capacity	88000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1426.2 km ²
Perimeter of catchment	246.9 km
Basin Length	82321.0 m
Form factor	0.21046
Circularity ratio	0.29402
Elongation ratio	0.51748
Highest Stream order	8
Max elevation	796.0 m
Min elevation	207.0 m
Mean bifurcation ratio	2.1156
Stream frequency	76.4330 per km ²
Relief	589.00 m
Drainage density	10.0830 km/km ²
Length of overland flow	49.590 m

CATCHMENT CLIMATOLOGY

