

Jaswant Sagar Dam

Location	26.2221° N, 73.6887° E
State	Rajasthan
Nearest City	Bilara
Year of Completion	1889
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Sabarmati
River	Luni
Dam Type	Earthfill Embankment
Height above lowest foundation level	43.4 m
Dam length	1190.9 m
Reservoir Area	33650000.0 m ²
Gross storage capacity	52820000.0 m ³
Effective storage capacity	40630000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4391.3 km ²
Perimeter of catchment	373.6 km
Basin Length	117980.0 m
Form factor	0.31546
Circularity ratio	0.39558
Elongation ratio	0.63355
Highest Stream order	9
Max elevation	853.0 m
Min elevation	249.0 m
Mean bifurcation ratio	2.3066
Stream frequency	75.7110 per km ²
Relief	604.00 m
Drainage density	9.9710 km/km ²
Length of overland flow	50.144 m

CATCHMENT CLIMATOLOGY

