

Jai Samand Dam

Location	24.2417° N, 73.9536° E
State	Rajasthan
Nearest City	Udaipur
Year of Completion	1730
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Mahi
River	Gomti
Dam Type	Other
Height above lowest foundation level	42.1 m
Dam length	457.4 m
Reservoir Area	52600000.0 m ²
Gross storage capacity	414600000.0 m ³
Effective storage capacity	296140000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1825.5 km ²
Perimeter of catchment	223.3 km
Basin Length	49666.0 m
Form factor	0.74005
Circularity ratio	0.46003
Elongation ratio	0.97038
Highest Stream order	9
Max elevation	778.0 m
Min elevation	250.0 m
Mean bifurcation ratio	2.4188
Stream frequency	73.0200 per km ²
Relief	528.00 m
Drainage density	9.5640 km/km ²
Length of overland flow	52.281 m

CATCHMENT CLIMATOLOGY

