

Sod Vadar Dam

Location	21.8328° N, 70.3636° E
State	Gujarat
Nearest City	Jam Kandorana
Year of Completion	1989
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Bhadr
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.1 m
Dam length	1410.0 m
Reservoir Area	1200000.0 m ²
Gross storage capacity	2070000.0 m ³
Effective storage capacity	1860000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	44.6 km ²
Perimeter of catchment	36.3 km
Basin Length	13843.0 m
Form factor	0.23297
Circularity ratio	0.42574
Elongation ratio	0.54445
Highest Stream order	5
Max elevation	145.0 m
Min elevation	68.0 m
Mean bifurcation ratio	2.2688
Stream frequency	69.9570 per km ²
Relief	77.00 m
Drainage density	9.0820 km/km ²
Length of overland flow	55.052 m

CATCHMENT CLIMATOLOGY

