

Jam Dadar Dam

Location	22.0381° N, 70.3725° E
State	Gujarat
Nearest City	Jam Kadorana
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Tedi
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.5 m
Dam length	3111.0 m
Reservoir Area	1500000.0 m ²
Gross storage capacity	2170000.0 m ³
Effective storage capacity	1830000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	32.5 km ²
Perimeter of catchment	24.6 km
Basin Length	7363.0 m
Form factor	0.59875
Circularity ratio	0.67237
Elongation ratio	0.87284
Highest Stream order	6
Max elevation	196.0 m
Min elevation	125.0 m
Mean bifurcation ratio	2.5127
Stream frequency	70.6080 per km ²
Relief	71.00 m
Drainage density	9.0750 km/km ²
Length of overland flow	55.097 m

CATCHMENT CLIMATOLOGY

