

Surjumi Dam

Location	22.9419° N, 74.0169° E
State	Gujarat
Nearest City	Limkheda
Year of Completion	1976
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	River
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.0 m
Dam length	453.0 m
Reservoir Area	219000.0 m ²
Gross storage capacity	610000.0 m ³
Effective storage capacity	516000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.5 km ²
Perimeter of catchment	13.6 km
Basin Length	4616.0 m
Form factor	0.26004
Circularity ratio	0.37498
Elongation ratio	0.57522
Highest Stream order	4
Max elevation	392.0 m
Min elevation	227.0 m
Mean bifurcation ratio	2.6049
Stream frequency	77.4260 per km ²
Relief	165.00 m
Drainage density	10.4680 km/km ²
Length of overland flow	47.764 m

CATCHMENT CLIMATOLOGY

