

Dodavanta Dam

Location	23.3289° N, 73.6200° E
State	Gujarat
Nearest City	Lunawada
Year of Completion	1974
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	26.9 m
Dam length	175.0 m
Reservoir Area	255000.0 m ²
Gross storage capacity	7310000.0 m ³
Effective storage capacity	617000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.3 km ²
Perimeter of catchment	11.4 km
Basin Length	4573.1 m
Form factor	0.20415
Circularity ratio	0.41086
Elongation ratio	0.50966
Highest Stream order	4
Max elevation	219.0 m
Min elevation	133.0 m
Mean bifurcation ratio	2.3690
Stream frequency	76.1260 per km ²
Relief	86.00 m
Drainage density	9.9960 km/km ²
Length of overland flow	50.019 m

CATCHMENT CLIMATOLOGY

