

Dalvada Dam

Location	22.9292° N, 73.6336° E
State	Gujarat
Nearest City	Shahera
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.2 m
Dam length	1610.0 m
Reservoir Area	222000.0 m ²
Gross storage capacity	1130000.0 m ³
Effective storage capacity	1040000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	42.6 km ²
Perimeter of catchment	31.3 km
Basin Length	10029.0 m
Form factor	0.42388
Circularity ratio	0.54724
Elongation ratio	0.73440
Highest Stream order	5
Max elevation	199.0 m
Min elevation	119.0 m
Mean bifurcation ratio	2.1929
Stream frequency	73.5080 per km ²
Relief	80.00 m
Drainage density	9.8190 km/km ²
Length of overland flow	50.922 m

CATCHMENT CLIMATOLOGY

