

Kunda Dhamena Dam

Location	23.0714° N, 74.0353° E
State	Gujarat
Nearest City	Jhalod
Year of Completion	1974
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Mod Nadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.0 m
Dam length	535.0 m
Reservoir Area	77000.0 m ²
Gross storage capacity	652000.0 m ³
Effective storage capacity	567000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9.5 km ²
Perimeter of catchment	13.1 km
Basin Length	3638.0 m
Form factor	0.72143
Circularity ratio	0.70222
Elongation ratio	0.95809
Highest Stream order	4
Max elevation	375.0 m
Min elevation	245.0 m
Mean bifurcation ratio	2.4570
Stream frequency	74.3600 per km ²
Relief	130.00 m
Drainage density	9.6890 km/km ²
Length of overland flow	51.605 m

CATCHMENT CLIMATOLOGY

