

Rathvana Muvada Dam

Location	22.5636° N, 73.9125° E
State	Gujarat
Nearest City	D Baria
Year of Completion	1974
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Narmada
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	457.0 m
Reservoir Area	183000.0 m ²
Gross storage capacity	392000.0 m ³
Effective storage capacity	313000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.5 km ²
Perimeter of catchment	16.7 km
Basin Length	5308.3 m
Form factor	0.40796
Circularity ratio	0.51841
Elongation ratio	0.72047
Highest Stream order	4
Max elevation	419.0 m
Min elevation	239.0 m
Mean bifurcation ratio	2.3977
Stream frequency	81.6850 per km ²
Relief	180.00 m
Drainage density	11.1590 km/km ²
Length of overland flow	44.808 m

CATCHMENT CLIMATOLOGY

