

Umrani Dam

Location	21.8489° N, 74.2139° E
State	Maharashtra
Nearest City	Jat
Year of Completion	1993
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Narmada
River	Udai
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.2 m
Dam length	480.0 m
Reservoir Area	260000.0 m ²
Gross storage capacity	1138000.0 m ³
Effective storage capacity	971000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.7 km ²
Perimeter of catchment	10.3 km
Basin Length	4066.4 m
Form factor	0.34404
Circularity ratio	0.66886
Elongation ratio	0.66163
Highest Stream order	4
Max elevation	870.0 m
Min elevation	365.0 m
Mean bifurcation ratio	4.7099
Stream frequency	80.1570 per km ²
Relief	505.00 m
Drainage density	11.2530 km/km ²
Length of overland flow	44.434 m

CATCHMENT CLIMATOLOGY

