

Kaurunda Dam

Location	23.5633° N, 70.7000° E
State	Gujarat
Nearest City	Rapar
Year of Completion	1969
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Karaswari
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.0 m
Dam length	549.0 m
Reservoir Area	65333.0 m ²
Gross storage capacity	2361000.0 m ³
Effective storage capacity	1921000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	37.0 km ²
Perimeter of catchment	33.5 km
Basin Length	12140.0 m
Form factor	0.25092
Circularity ratio	0.41338
Elongation ratio	0.56504
Highest Stream order	6
Max elevation	185.0 m
Min elevation	73.0 m
Mean bifurcation ratio	2.2668
Stream frequency	76.3950 per km ²
Relief	112.00 m
Drainage density	10.1460 km/km ²
Length of overland flow	49.278 m

CATCHMENT CLIMATOLOGY

