

Kakarwa Dam

Location	23.4942° N, 70.3756° E
State	Gujarat
Nearest City	Bhachau
Year of Completion	1978
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local River
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.7 m
Dam length	771.3 m
Reservoir Area	189630.0 m ²
Gross storage capacity	820000.0 m ³
Effective storage capacity	820000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.4 km ²
Perimeter of catchment	7.5 km
Basin Length	2819.6 m
Form factor	0.30145
Circularity ratio	0.53646
Elongation ratio	0.61932
Highest Stream order	4
Max elevation	115.0 m
Min elevation	45.0 m
Mean bifurcation ratio	2.9981
Stream frequency	85.9550 per km ²
Relief	70.00 m
Drainage density	11.8600 km/km ²
Length of overland flow	42.158 m

CATCHMENT CLIMATOLOGY

