

Kaupaddhar Dam

Location	23.3644° N, 68.9631° E
State	Gujarat
Nearest City	Abdasa
Year of Completion	1950
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.0 m
Dam length	975.0 m
Reservoir Area	1000000.0 m ²
Gross storage capacity	2660000.0 m ³
Effective storage capacity	2630000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	38.7 km ²
Perimeter of catchment	37.4 km
Basin Length	15664.0 m
Form factor	0.15785
Circularity ratio	0.34897
Elongation ratio	0.44816
Highest Stream order	6
Max elevation	163.0 m
Min elevation	45.0 m
Mean bifurcation ratio	2.0447
Stream frequency	74.9820 per km ²
Relief	118.00 m
Drainage density	9.8760 km/km ²
Length of overland flow	50.627 m

CATCHMENT CLIMATOLOGY

