

Balapar Budadro Dam

Location	23.2764° N, 69.0547° E
State	Gujarat
Nearest City	Abdasa
Year of Completion	1958
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Naliya
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.9 m
Dam length	1280.0 m
Reservoir Area	64000.0 m ²
Gross storage capacity	961000.0 m ³
Effective storage capacity	961000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	100.1 km ²
Perimeter of catchment	55.9 km
Basin Length	16878.0 m
Form factor	0.35141
Circularity ratio	0.40307
Elongation ratio	0.66867
Highest Stream order	6
Max elevation	215.0 m
Min elevation	63.0 m
Mean bifurcation ratio	2.2381
Stream frequency	74.9440 per km ²
Relief	152.00 m
Drainage density	10.0110 km/km ²
Length of overland flow	49.945 m

CATCHMENT CLIMATOLOGY

