

Langdi Bhavan Dam

Location	21.5700° N, 74.7242° E
State	Maharashtra
Nearest City	Shahada
Year of Completion	1986
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.5 m
Dam length	780.0 m
Reservoir Area	46430.0 m ²
Gross storage capacity	973000.0 m ³
Effective storage capacity	880000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.3 km ²
Perimeter of catchment	13.8 km
Basin Length	5341.4 m
Form factor	0.29211
Circularity ratio	0.54894
Elongation ratio	0.60965
Highest Stream order	5
Max elevation	411.0 m
Min elevation	281.0 m
Mean bifurcation ratio	3.8816
Stream frequency	80.6330 per km ²
Relief	130.00 m
Drainage density	11.3030 km/km ²
Length of overland flow	44.235 m

CATCHMENT CLIMATOLOGY

