

Aruvikkara (Kwa) Dam

Location	8.5728° N, 77.0206° E
State	Kerala
Nearest City	Thiruvananthapuram
Year of Completion	1972
Operated and Maintained by	Kerala Water Authority
River Basin	South Coast
River	Karamana
Dam Type	Other
Height above lowest foundation level	14.0 m
Dam length	83.2 m
Reservoir Area	480000.0 m ²
Gross storage capacity	2000000.0 m ³
Effective storage capacity	628260.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	256.2 km ²
Perimeter of catchment	87.3 km
Basin Length	24635.0 m
Form factor	0.42223
Circularity ratio	0.42286
Elongation ratio	0.73297
Highest Stream order	7
Max elevation	1647.0 m
Min elevation	43.0 m
Mean bifurcation ratio	2.3908
Stream frequency	73.2110 per km ²
Relief	1604.00 m
Drainage density	10.4770 km/km ²
Length of overland flow	47.723 m

CATCHMENT CLIMATOLOGY

