

Kaleti Vagu Reservoir Dam

Location	14.7350° N, 78.4572° E
State	Andhra Pradesh
Nearest City	Vempalli
Year of Completion	1977
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Pennar
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.2 m
Dam length	1850.0 m
Reservoir Area	1900000.0 m ²
Gross storage capacity	6400000.0 m ³
Effective storage capacity	6400000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1.1 km ²
Perimeter of catchment	6.3 km
Basin Length	1674.7 m
Form factor	0.40624
Circularity ratio	0.36218
Elongation ratio	0.71896
Highest Stream order	4
Max elevation	259.0 m
Min elevation	168.0 m
Mean bifurcation ratio	4.6568
Stream frequency	92.1580 per km ²
Relief	91.00 m
Drainage density	11.8810 km/km ²
Length of overland flow	42.083 m

CATCHMENT CLIMATOLOGY

