

Palair Dam

Location	17.2033° N, 79.9161° E
State	Telangana
Nearest City	Khammam
Year of Completion	1928
Operated and Maintained by	Telangana Irrigation and CAD Department
River Basin	Krishna
River	Paleru
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.0 m
Dam length	3697.0 m
Reservoir Area	17268000.0 m ²
Gross storage capacity	72453000.0 m ³
Effective storage capacity	66188000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	163.7 km ²
Perimeter of catchment	69.0 km
Basin Length	24945.0 m
Form factor	0.26303
Circularity ratio	0.43193
Elongation ratio	0.57851
Highest Stream order	7
Max elevation	226.0 m
Min elevation	120.0 m
Mean bifurcation ratio	2.2997
Stream frequency	69.7120 per km ²
Relief	106.00 m
Drainage density	9.4830 km/km ²
Length of overland flow	52.729 m

CATCHMENT CLIMATOLOGY

