

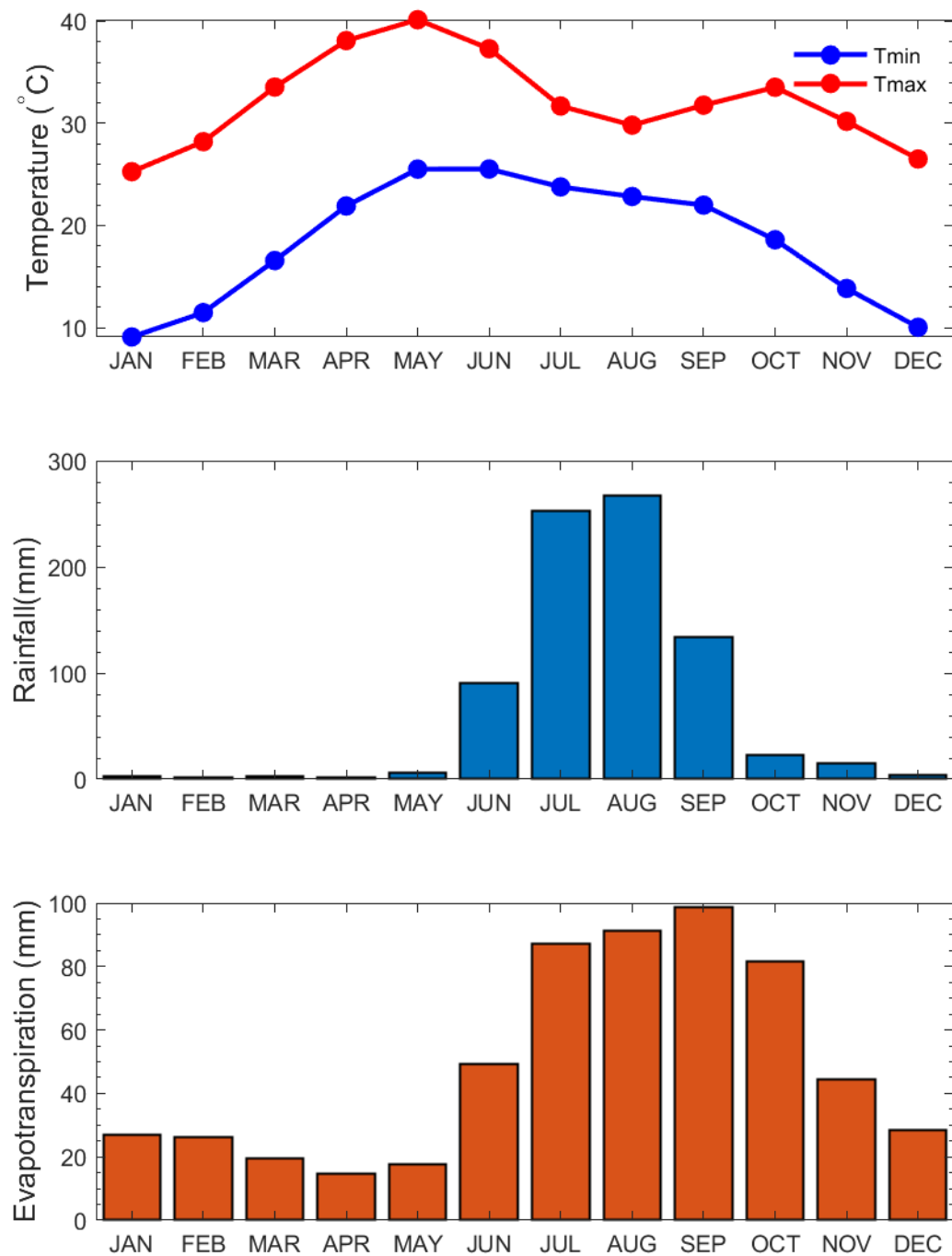
## Machlana Dam

Location	24.0394° N, 74.9300° E
State	Rajasthan
Nearest City	Pratapgarh
Year of Completion	Not Available
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.3 m
Dam length	383.0 m
Reservoir Area	665000.0 m <sup>2</sup>
Gross storage capacity	4200000.0 m <sup>3</sup>
Effective storage capacity	4110000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	25.5 km <sup>2</sup>
Perimeter of catchment	24.0 km
Basin Length	7513.9 m
Form factor	0.45084
Circularity ratio	0.55374
Elongation ratio	0.75739
Highest Stream order	6
Max elevation	518.0 m
Min elevation	461.0 m
Mean bifurcation ratio	2.2590
Stream frequency	77.4350 per km <sup>2</sup>
Relief	57.00 m
Drainage density	10.5510 km/km <sup>2</sup>
Length of overland flow	47.390 m

## CATCHMENT CLIMATOLOGY



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