

SECTION-3

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are. 4. Abstraction taken place from precipitation:

→ Evaporation - The process in which a liquid changes to the gaseous state at the free surface, below the boiling point through the transfer of heat energy.

$$E_e = K_m (e_w - e_a) \left(1 + \frac{u_a}{16}\right)$$

E_e → rate of evaporation

K_m → ~~constant~~

e_w & e_a are in mm of mercury.

u_a → monthly mean wind velocity in km/h. about 9m above the ground

K_m → coefficient accounting for various other factors.

→ Transpiration - the process by which water leaves the body of a living plant & reaches the atmosphere as water vapour.

→ Evapotranspiration - Evaporation from water bodies & soil masses together with transpiration from vegetation is termed evapotranspiration.

→ Interception - when it rains over a catchment, not all precipitation falls directly onto the ground before it reaches the ground, a part of it may be

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a part of it may be caught is called interception.