

b) The maximum wind speed for site S last-year = 23.7 m/s.

For Turbine P \rightarrow Cut-out Speed is 20.3 m/s.

If the speed increases above cut-out speed, braking system will come into play, & no power is generated.

a) Average Wind Speed = 6.8 m/s M-Q are greater
Cut in Speed for all turbines
from 6.8 m/s Δ too as average wind speed is

less than cut-out speed.

Therefore its

c) Least wind speed \rightarrow at which Model O produces its maximum amt. of power = 13.5 m/s.

Cut in Speed $<$ 13.5 m/s $<$ Cut out speed
M-Q