

18 An area of land is an average of 2.0 m below sea level. To prevent flooding, pumps are used to lift rainwater up to sea level.

What is the minimum pump output power required to deal with 1.3×10^9 kg of rain per day?

A 15 kW

B 30 kW

C 150 kW

D 300 kW

19 A twig from a tree drops from a 200 m high cliff on to a beach below. During its fall, 40% of the