

3. A bus of mass 2000kg starts from rest at some traffic lights. After travelling 400m the bus's speed is 12ms^{-1} . A constant resistance of 500N acts on the bus. Calculate the driving force, P , which can be assumed to be constant.

4. A load of bricks of mass 30kg is lowered vertically to the ground through a distance of 15m. Find the loss in potential energy.