

04 FEB 2025

18. Which of the following statements is not true about the shaft surging due to turbine closure
- The wicket gate will close and that causes a retardation of the water in the pressure shaft.
 - The water masses in the head race tunnel will be obstructed and will flow into the surge shaft.
 - the level in the shaft will be higher than the reservoir level in the beginning of closure.
 - the water level fluctuations in surge shaft will dampen out only after the water in the tunnel is emptied.
19. Which of the following is least damaged by sediment erosion in hydropower plant?
- Gates Penstock Trash rack Main valve
20. What is meant by the Retardation pressure :
- outward radial reaction pressure in turbine
 - pressure propagation speed in water
 - pressure in front of the turbine due to dynamic phenomena
 - none of the above

