Page No. Section -3 Il Jet Ratioin I t is defined as ratio of the pitch diameter (D) of the pelton whom wheel to diameter of the Jet (D) (ii) It is denoted by m

(iii) It is given by the formula: (iv) Grenerally the value of m is 12 for most wors to maintain the balance. Hydralic Jump = The hydraulie I fump is defined as the sudden turbulent passager of water from a supercritical stak to subcritical state It has been classified; as sapidly varied flow since the shanger in depth of flow from a abrupt rapid to tranquil state in a abrupt manner over a relatively short is flow in a hydraulic per jump is accompained by the formation distante of entremely turbulent rollers and There is a considerable dissipation

water moving at a super critical velocity in a relatively shallow strem strikes water having a relatively large depth I subwritical velocity Tydraulie jump. is used to analyze Due of momentum Equation

Due to high turbulence and Shear action of the vollar there is considerable lase of energy in the fump between section I & 2 in the fump view of the high energy loss the nature of which is difficult to estimate the energy equation cannot be applied to section I and 2 3) In such situations we use momenting equation in analysis of hydroulic Jump. Enpression -Considered a horizontal frietronless and rectangular channel considering unit width of the can be swritten as + 37" - + 37" - B, Pq V, -B, Pq V,

