

TURBINE

- We have Kessels turbine of 2 MW installed at our premises
- As per PID turbine needs about 15-16tons of steam at a pressure of 32kg/cm² at a temperature of 380deg c at its inlet.
- With this steam, turbine operates in the following manner. The steam makes the rotor movement and the kinetic energy gets converted to electrical energy. The turbine condenses about 4-5 tons of steam which is again provided back to boiler (to save reheating costs). With this condensing process we are able to generate about 1.6MWH of electrical energy.
- The turbine after using the steam at the above mention parameters, gives out about 9-10 tons of steam at 3.5kg pressure in the extraction line.
- The steam in extraction line is at about 200deg is then desuperheated and at about 150deg is provided to the process for the manufacturing of kraft paper