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Ans-5 Pelton turbine has a nozzle which converts hydraulic energy into kinetic energy. The kinetic energy is converted into mechanical work in the wheel of pelton turbine and Kaplan turbine do not have any nozzle. Francis turbine has a volute casing.

### Difference

Features of pelton kaplan and Francis turbine

Features of pelton turbines.

- Pelton turbine are used where the water source has a relatively high hydraulic head at low water flow rates.
- Pelton wheels can be designed for all sizes based on the objective.

Features of Kaplan turbines

- Electrical power production throughout the world.
- Suitable for lowest head hydro sites high flow conditions.
- Kaplan turbines can work with as little as 0.3 m head at a highly reduced power outputs given the sufficient flow exists.