

Q5. What do you mean by dry wet and hot water Geothermal system.

⇒ Hot water fields:

a) Hot water field, containing a water reservoir at temperature ranging $50-100^{\circ}\text{C}$.

⑥ The geyser plant of USA is largest plant in world today.

b) WET Steam fields.

a) The wet steam field contain pressurized water in reservoir at temp. higher than 100°C .

b) The resulting mixture is an water and steam. Such field are suitable for power generation.

c) The vapour is used directly for production power while the hot water gets separated in separator and is used for thermal application.

c) Dry Steam field

① In these field are similar to wet, steam field but heat transfer from the depth is much higher.

② These reservoirs produce superheated steam at a pressure above atmosphere.

③ The permeability of these field is lower than wet fields.