

# ***DESALINATION***

**Water containing high concentration of dissolved salt is known as brackish water.**

**Example :-**

**Marine water containing about 3.5 % salts. Brackish water is unfit for domestic and industrial application. Hence it's necessary to remove the high concentration of the salts.**

**Definition**

**The process used for the removal of salts from brackish or saline water is called desalination.**

**The salinity of the raw water is expressed in mg/lit or ppm of dissolved salts.**

**The water quality is graded on basis of the quantity of dissolved solids.**

**Fresh water**

**Contains < 1000 ppm of dissolved solids.**

**Brackish water**

**Contains 1000 - 35000 ppm of dissolved solids.**

**Sea water**

**Contains > 35000 ppm of dissolved solids.**

**Distillation, electro dialysis and reverse osmosis are some of the commonly employed techniques for desalination of sea water and brackish water.**

