

SOURCES OF WATER

1. Rain - (Gibraltar) • Pure source of all water • Very soft water • Symon's rain gauge • widely used in India

• 2. Surface water - (Mumbai, Chennai, Nagpur) •

i. Impounding reservoirs - • Artificial lakes • - Next to rain water in purity •

ii. Catchment area - • areas from which water is drained to these reservoirs

• iii. Rivers & Streams - (Delhi, Kolkata, Allahabad) - Grossly polluted water, so without treatment it is unfit for drinking • d. Tanks, Ponds & Lakes

3. Ground

water

- i. Shallow well - Taps water from above 1st impervious layer - Moderately hard & Grossly contaminated
- ii. Deep well - Taps water from below 2nd impervious layer - Constant supply of pure & hard water (no treatment required)
- iii. Springs - Artesian wells (NOT common in India)
- It's a Deep well, so No pump required (Water put under pressure between impervious layers)
- Step wells - type of pucca well
- Deep tube wells - are Bore wells - Most common type of well in India - Dug well (viz. of 2 types Kachha &

Pucca)