Water balance under different rainfall
Fig 10a: Status of surface water in meeting the village requirements @ annual rainfall 200 mm

Balance estimate is based on human + animal + irrigation requirement and run-off

-75% to -75% of total water demand is not available or deficit
>-25% of total water demand is excess or surplus
TL,T2 = Tank Numbers
Fig 10b: Status of surface water in meeting the village requirements @ annual rainfall 300 mm

- > +25%
- 1 to +25%
- -20% to -50%
- -50% to -75%
- >= -75%
- Inadequate information

Balance estimate is based on human + animal irrigation requirements and run-off
> -7% --- 7% of total water demand is not available or deficit
>= +25% of total water demand is excess or surplus
II, T2 = Tank Numbers

A Nagarajan, CSRE, IIT Bombay
Fig 10c: Status of surface water in meeting the village requirements @ annual rainfall 400 mm

- > 25%
- 1% to +25%
- -1% to -25%
- -26% to -50%
- > -75%
- Inadequate information

Balance estimate is based on human + animal irrigation requirements and run-off:
- > -75% -- 7.5% of total water demand is not available or deficit
- > 42.5% -- +25% of total water demand is excess or surplus
- TI, T2 -- Tank Numbers

R. Nagarajan, CSRE, IIT Bombay
Fig 10d: Status of surface water in meeting the village requirements @ annual rainfall 500 mm

Legend:
- Green: > +2.5%
- Light Green: 1 to +2.5%
- Yellow: 1 to -2.5%
- Orange: -2.5% to -5.0%
- Red: -5.1% to -7.5%
- Dark Red: > -7.5%
- Gray: Inadequate information

Map showing villages with different water availability levels.

Balance estimates are based on human+animal irrigation requirement and run-off:
- > -7.5% --- 7.5% of total water demand is not available or deficit
- > +25% --- +25% of total water demand is excess or surplus

T1, T2 = Tank Numbers

R. Nagaswain, CSPE, IIT Bombay
Fig 10e: Status of surface water in meeting the village requirements @ annual rainfall 600 mm

- > +25%
- 1 to +25%
- -1 to -25%
- -26% to -50%
- -51% to -75%
- > -75%
- Inadequate information

Balance estimate is based on human-animal irrigation requirement and run-off

- > -75% --- 75% of total water demand is not available or deficit
- > +25% --- +25% of total water demand is excess or surplus

R Nagarajan, CSRE, IIT Bombay
Fig 10f: Status of surface water in meeting the village requirements @ annual rainfall 700 mm

- > +2.5%
- 0 to +2.5%
- 0 to -2.5%
- -26% to -50%
- > -75%
- Inadequate information

Balance estimate is based on human + animal irrigation requirements and run-off

- > -75% -- - 75% of total water demand is not available or deficit
- > +25% -- + 25% of total water demand is excess or surplus

T1, T2 -- Tank Numbers

R. Nageshwar, CSIR, IIT Bombay
Fig 10g: Status of surface water in meeting the village requirements @ annual rainfall 800 mm

Balance estimate is based on human+animal irrigation requirement and run-off

-75% --- 75% of total Water demand is not available or deficit
> +25% --- +23% of total water demand is excess or surplus
T1, T2 --- Tank Numbers

R. Nageshwaran, CSRE, IIT Bombay
Fig 10h: Status of surface water in meeting the village requirements @ annual rainfall 900 mm

Balance estimate is based on human+animal irrigation requirement and run-off

-75% -- 75% of total water demand is not available or deficit

> +25% -- +25% of total water demand is excess or surplus

T1, T2 -- Tank Numbers
Thank you