

# Water Budgets to Interventions

## General Principles

- Look at water budget to understand resource envelope.
- Decide on intervention based on location specific understanding
- Look at intervention site location map to check if suitable

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## Step I Supplementary storage.

- Look at net storage. It should be at least 80mm.
- Look at run-off from zone and deficit and set a target.
- Check if CB is possible. That adds 25-30mm.
- Check locations for CNBs. Each adds 2-4 TCM.
- Check locations for Nala Kholikaran and de-silting. Nice locations add 20TCM and above.

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## Step II Broad area analysis

- Estimate non-ag land and its use. Improve through area treatment to increase GW
- Look for locations for percolation tanks.

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## Step III Farm-level interventions

- Look for bad-soil areas. These are locations for silt.
- See if farm-pond is possible, esp. for people with no wells and away from streams.
- If wells are successful in village and GW recharge sufficient and post-monsoon index  $>0.7$  then suggest wells.
- Examine yields and if post-K SM is small then suggest movement to LK from Rabi.

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## Examples

- **Wadhavi:** forest land improvement, compartment bunding, de-silting PT and locations for new PT
- **Yeulkhed:** Nala Kholikaran, nala based storage and farmponds. Community pumps. Drip for farmers with wells.
- **Ghusar:** Desilting village pond. More farmponds. CNBs if they will stand.