Report on field trip to Makanya and Bangalal villages

FBFS Leadership Training program

Out line

- Report on
- Makanya village night storage
- Bangalala village flood based farming
- Recommendations

Bangalala Village

- The project visited Night storage

- Questions raise and response from the community
  - What is the past current and future share of water?
  - There is no difference in water sharing practices b/n the past and present
  - Is there no increase in population no. and incoming land?
  - There is an increase in population ~ 100 over past 10 years, so they limit the irrigable land to half an acre. Regardless of what he/she has

Bangalala Village

- What should be the future allocation of water?
- Because there is no adequate water so they limit a person to irrigate only on one of his land.
- Complete the canal lining to reduce loss of water improving conveyance efficiency
- Reduce the irrigated land per person to accommodate all farmers

Bangalala Village

- How do we know whether we have meet the share of water or not? What indicators are necessary?
- Irrigation time per person will be limited to 2hr.
- It is time based, area based, and season, pattern of irrigation depending on the amount of water, level of water in the night storage(ndiva)

Bangalala Village

- What would be the principles to decide the changes in allocation?
  - It is time based, season to change pattern of irrigation
  - And the amount of water, level of water in the night storage(ndiva)
  - Bye-laws if some do not participate in the cleaning of canal 2000sh
  - If some one is found in illegal abstract pay 15000sh
  - If some one do not clean his field do not get water

Makanya Village

- The project visited:
- Flood based (spate)irrigation
- Size 2200population, 400-500HH, 750ha,
- Major crops, maize and lablab
- Project started in 1956
- Questions raise and response from the community
  - What is the past current and future share of water?
  - There is difference in water sharing practices b/n the past and present, they reduce the share of water because if increased population

Makanya Village

- Current allocation practices
  - They start diverting water from downstream in good condition and start from the upstream if there is less water
  - 6hrs, per each off takes (3acres),
  - the application is one off take at a time
  - Two flood application could fulfill the total crop water need for full growth

Makanya Village

- How do we know whether we have met the share of water or not? What indicators are necessary?
  - Pattern of irrigation (start diverting water from downstream)
  - Duration of irrigation (6hrs, per each off takes) (3acres),
  - one off take at a time
  - Number of flood

Makanya Village

- What would be the principles to decide the changes in allocation?
- It is time based, season to change pattern of irrigation
- And the amount of water, level of water in the night storage(ndiva)
- If some one is found in illegal abstract pay 30000sh

Recommendations

- Bagalala
  - To improve the water field application efficiency like using furrow
  - Improving the conveyance system by using:
    - Polythene sheet lining and stone pitching so that increase slope and reduce canal loss
  - Additional ndival in case of spillway over flow
- Makanya
  - u/s water shade development to minimize the silt load

Thank you