

Siltation Management Measures For Rural Communities

DAM SILTATION

**SILTED
DAM**



**UNSILTED
DAM**



SILT LEADS TO:

- Less storage in dams
- Less water
- Poor Agriculture
- Fish life endangered

HOW CAN WE MANAGE SILT?

1. GABION CONSTRUCTION



BAD

Good

- Helps to protect areas experiencing erosion due to waves, currents or groundwater flows. Protects from flood intrusion.

3. GULLY PLUGS



- Reduces the water flow speed while allowing sediment to settle out. Also conserves soil moisture.

4. MICRO BASINS



- Gathers surface runoff, increases water infiltration and prevents soil erosion.

2. BUNDS FEATURES



- Constructed along the contours in order to best slow the water flowing down the slope and preventing erosion

5. Vegetation (Tree Plantation)



BAD

GOOD

- Rainfall drains down the leaves and branches, soaking in the soil rather than hitting the ground, decreasing the amount of soil that is washed away with rain.